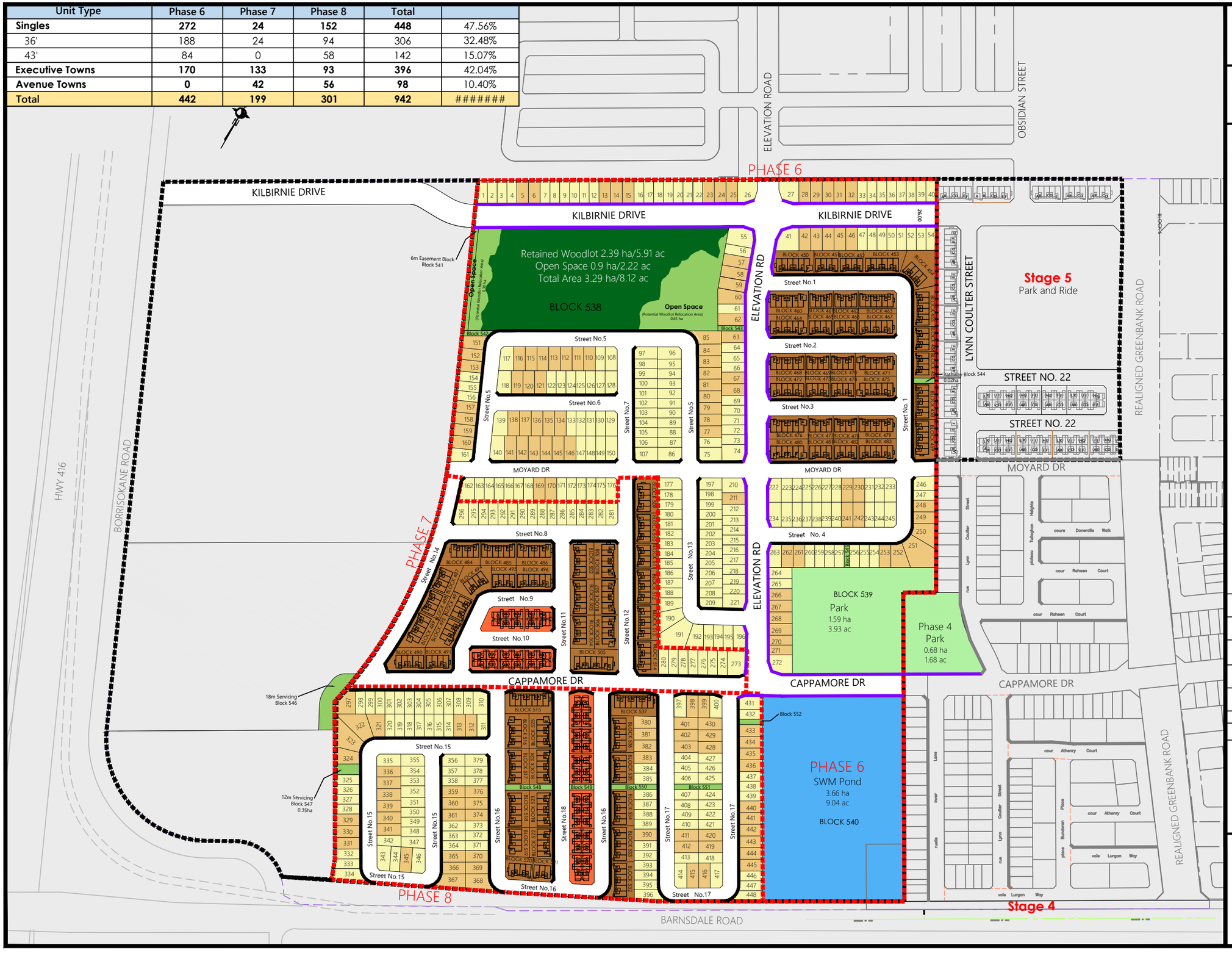
Appendix A

Concept Plan 54 and
Draft Plan of Subdivision

Unit Type	Phase 6	Phase 7	Phase 8	Total	
Singles	**272**	**24**	**152**	**448**	47.56%
36'	188	24	94	306	32.48%
43'	84	0	58	142	15.07%
Executive Towns	**170**	**133**	**93**	**396**	42.04%
Avenue Towns	**0**	**42**	**56**	**98**	10.40%
Total	**442**	**199**	**301**	**942**	#######



Title:

Concept 54 - Rev 17

Project:

Quinn's Pointe Phases 6-8

Legend

- Site Boundary
- Phase Line
- 36' Singles
- 43' Singles
- Executive Towns
- Avenue Towns (Back to Backs)
- Rear Lane Towns
- Condos
- SWM Pond
- Parkland
- Open Space
- Industrial
- Woodlot
- Sidewalks
- Sidewalks & Cycle Tracks

*Notes:
- All roads are 18m ROW unless indicated on the plan.
- All singles and executive towns a min. 26m in depth
- All avenues are 27.5m in depth
- The unit count for Metro Town Condos is estimated at a rate of 70 units per 1.00 ha.
- Stage 5 unit count is not included in the park dedication.

No.	Description	Date	By
17	Cappamore Drive Reduced	2026-06-08	E.H
16	Adjustment to Block 51 and 83	2026-06-03	E.H
15	Revised Concept Plan	2026-06-03	KG

Revisions

minto

Drawn By: G.T
Checked By: C.S

Minto Communities Inc
180 Kent Street,
Ottawa, ON
K1P 0B6

North

Scale: **NTS**

DRAFT PLAN OF SUBDIVISION

PART OF LOTS 6 AND 7 CONCESSION 3 (RIDEAU FRONT)

(GEOGRAPHIC TOWNSHIP OF NEPEAN)

AND BLOCK 153 REGISTERED PLAN 4M-1716

CITY OF OTTAWA

Scale 1:1000

20 0 20 40 60 METRES

Stantec Geomatics Ltd.

METRIC CONVERSION

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

KEY PLAN

(NOT TO SCALE)

ADDITIONAL INFORMATION REQUIRED UNDER SECTION 51 OF THE PLANNING ACT.

(A)-AS SHOWN ON DRAFT PLAN
(B)-AS SHOWN ON DRAFT PLAN
(C)-AS SHOWN ON DRAFT AND KEY PLANS
(D)-RESIDENTIAL
(E)-AS SHOWN ON DRAFT PLAN
(F)-AS SHOWN ON DRAFT PLAN
(G)-AS SHOWN ON DRAFT PLAN
(H)-CITY OF OTTAWA
(I)-SEE SOIL REPORT
(J)-AS SHOWN ON DRAFT PLAN
(K)-ALL MUNICIPAL SERVICES ARE AVAILABLE
(L)-AS SHOWN ON DRAFT PLAN

LAND USE

AREA OF SINGLE LOTS (448)=	15.347 Hectares	(37.92 Acres)
AREA OF TOWN BLOCKS (88) =	8.861 Hectares	(21.90 Acres)
AREA OF PARK BLOCKS (1) =	1.598 Hectares	(3.95 Acres)
AREA OF WOODLOT/O.S. BLOCKS (1) =	3.241 Hectares	(8.01 Acres)
AREA OF POND BLOCKS (1) =	3.659 Hectares	(9.04 Acres)
AREA OF EASEMENT BLOCKS (2) =	0.104 Hectares	(0.26 Acres)
AREA OF O.S. BLOCKS (9) =	0.206 Hectares	(0.51 Acres)
AREA OF WIDENING BLOCKS (1) =	1.062 Hectares	(2.62 Acres)
AREA OF STREETS =	13.224 Hectares	(32.68 Acres)
TOTAL AREA OF SUBDIVISION =	47.304 Hectares	(116.89 Acres)

OWNER'S CERTIFICATE

I HEREBY AUTHORIZE STANTEC GEOMATICS LTD. TO SUBMIT THIS DRAFT PLAN OF SUBDIVISION ON MY BEHALF

DATE

* PRESIDENT
******* ONTARIO LIMITED
I HAVE THE AUTHORITY TO BIND THE CORPORATION

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE BOUNDARIES OF THE SUBJECT LANDS AND THEIR RELATIONSHIP TO ADJOINING LANDS HAVE BEEN ACCURATELY AND CORRECTLY SHOWN.

DATE

FRANCIS LAU
ONTARIO LAND SURVEYOR

Stantec
Stantec Geomatics Ltd.
CANADA LANDS SURVEYORS
ONTARIO LAND SURVEYORS
1331 CLYDE AVENUE, SUITE 300
OTTAWA, ONTARIO, K2C 3G4
TEL 613.722.4420
stantec.com

DRAWN: ME | CHECKED: * | PM: FL | PROJECT No.: 161614993-131

VACANT LANDS OWNED BY OTHERS
BLOCK 199
PIN 04592 – 3902
REGISTERED PLAN 4M-1681
RESIDENTIAL LANDS OWNED BY OTHERS
PART 15 5R-13374
PART 16 5R-13374
LOT 230
LOT 231
LOT 254
LOT 255
LOT 263
LOT 264
BLOCK 434
chemin Elevation Road
promenade Kilbernie Drive
PART 2 4R-36094 PIN 04592-5578
PART 1 4R-36094 PIN 04592-5579
BLOCK 537
PART 3 4R-35788
(RIDEAU FRONT)
BLOCK 540
BLOCK 541
BLOCK 542
NORTH HALF LOT 7
SOUTH HALF LOT 7
LOT 7
Street No. 1
Street No. 2
Street No. 3
Street No. 4
Street No. 5
Street No. 6
Street No. 7
Street No. 8
Street No. 9
Street No. 10
Street No. 11
Street No. 12
Street No. 13
Street No. 14
promenade Mayard Drive
promenade Cappamore Drive
PART 1 4R-35788
VACANT LANDS OWNED BY APPLICANT
PIN 04592 – 5421
PART 1 4R-35788
PIN 04592 – 6147
VACANT LANDS OWNED BY APPLICANT
PART 1 4R-37019
PIN 04592 – 6146
BLOCK 449
BLOCK 450
BLOCK 451
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BLOCK 551
EXISTING PARK
BLOCK 147
PIN 04592–5055
BLOCK 148 (STREET WIDENING)
PIN 04592–5066
BLOCK 149
PIN 04592–5056
BLOCK 150
PIN 04592–5057
BLOCK 153
PIN 04592–5061
BLOCK 154 (0.3 RESERVE)
Barnsdale Road
ROAD ALLOWANCE BETWEEN LOTS 5 & 6
PIN 04592–0092
PART 1A 5R-13365
PIN 04592–0089
PART 1B 5R-13365
PART 1C 5R-13365
PART 1D 5R-13365
PART 1E 5R-13365
PART 1F 5R-13365
PART 1G 5R-13365
PART 1H 5R-13365
PART 1I 5R-13365
PART 1J 5R-13365
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PART 1DE 5R-13365
PART 1DF 5R-13365
PART 1DG 5R-13365
PART 1DH 5R-13365
PART 1DI 5R-13365
PART 1DJ 5R-13365
PART 1DK 5R-13365
PART 1DL 5R-13365
PART 1DM 5R-13365
PART 1DN 5R-13365
PART 1DO 5R-13365
PART 1DP 5R-13365
PART 1DQ 5R-13365
PART 1DR 5R-13365
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PART 1EX 5R-13365
PART 1EY 5R-13365
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Appendix B

Paterson Memorandum and
Bathymetric Survey

PATERSON GROUP

memorandum

re: **Geotechnical Recommendations – Infilling Existing Stormwater Management Pond**
Proposed Residential Development – Barrhaven South Expansion
3882 Barnsdale Road, Ottawa

to: Minto Communities - Mr. Curtiss Scarlett - CScarlett@minto.com

date: September 11, 2024

file: PG6197-MEMO.01

Further to your request and authorization, Paterson Group (Paterson) has prepared the current memo report to provide our backfilling recommendations for the existing stormwater management pond within the proposed residential development located at the subject site. The following memo should be read in conjunction with Paterson Group report PG6197-1 Revision 1 dated March 25, 2024.

1.0 Background Information

Based on the existing soils information within the stormwater management pond and surrounding area, the subsurface profile consists of compact to dense, brown silty sand extending to approximately 2.4 m below the original ground surface, followed by dense to very dense, grey silty sand to sandy silt. The subsoil profile encountered at nearby test holes are detailed in the Soil Profile and Test Data sheets attached.

The following plan was reviewed as part of our study:

- C1 C2 Functional Servicing and Grading – Final Option 1 – Barrhaven South Serviceability Study – Project No. 26610-100, undated, prepared by J. L. Richards.

Stormwater Management Pond Details

The existing pond is located within the southwest portion of the subject site and is bordered by the proposed Block 52 to the east, the retained woodlots to the north, and Borrisokane Road to the west and south. The location of the pond is presented in Drawing PG6197-1 – Test Hole Location Plan attached to the current memorandum. Based on a previous bathymetry survey completed by Paterson Group, it is understood that the pond sidewalls slope between a 4.5H:1V to 35H:1V slope from a geodetic elevation of 99.0 m at the top of the side walls to a minimum geodetic elevation of 95.5 m at the bottom of the pond.

Proposed Grading

Based on our review of the aforementioned drawing and correspondence with the client, it is understood that the pond will be infilled to a maximum geodetic elevation of 103.5 m.

2.0 Recommendations

The following backfilling program is recommended for development within the pond area. Our backfilling recommendations take into consideration the subsoils profile within the pond area and the anticipated finished grading. It is recommended that the pond be drained before the backfilling procedure begins and the backfilling operation be completed under dry weather conditions (specifically for the clay placement portion of the program).

Based on correspondence with the client, the pond area may be redeveloped for either residential or recreational use. It is also anticipated that right of ways (ROWs) may be proposed. Paterson has provided recommendations for each option for redevelopment.

Stripping Depth and Site Preparations

Topsoil and deleterious fill, such as those containing significant organic materials, should be stripped from under the proposed in-fill area to be occupied by any buildings, paved areas, pipe bedding and other settlement sensitive structures. Any disturbed or oversaturated areas should be removed by the contractor and reviewed and approved by Paterson at the time of excavation.

Pond Backfilling Recommendations

- ❑ The existing SWMP side slopes should be stepped to provide a minimum 1.5H:1V profile with maximum 600 mm high steps. All existing sediment and fill associated with the pond should be removed.

- ❑ A workable, stiff brown silty clay (moisture contents varying between 20 to 40%) should be placed in maximum 300 mm loose lifts under dry conditions and in above freezing temperatures to in-fill the interim pond. Every lift should be adequately compacted using a sheepsfoot roller and approved by Paterson personnel during placement.

<u>For Residential Building Areas</u>

- ❑ A non-woven geotextile liner such as Terratrack 200 or equivalent should be placed directly above the compacted silty clay backfill material. A minimum 300 mm thick layer of suitable granular backfill such as OPSS Granular A or Granular B Type II should be placed directly below the underside of footing elevations of the proposed lots. The engineered granular fill should be placed in maximum 300 mm loose lifts under dry conditions, compacted to a minimum 98% of the material's SPMDD using suitable compaction equipment and approved by Paterson at the time of backfilling.

This may result in surface water pooling within the granular pad located below the finished floor slabs which may increase humidity. Therefore, it is recommended that a damp-proofing membrane be placed below the basement slabs to reduce the anticipated humidity.

- ❑ Where granular fill is required below only a portion of the proposed building footprint, the remainder of the building footprint should be sub-excavated at least 500 mm below underside of footing.

- ❑ The sub-excavation should extend at least 1 m beyond the building perimeter. A woven geotextile liner, such as Terratrack 200 or equivalent, should be placed across the base of the sub-excavated area. A biaxial geogrid liner, such as Terrafix Geosynthetics TBX1500 or equivalent, should be placed over the geotextile liner and extend at least 1 m beyond the building footprint. The sub-excavated area should be backfilled with granular fill, consisting of a Granular B Type II or Granular A crushed stone placed in maximum 300 mm loose lifts and compacted to 98% of its SPMDD.

- ❑ Backfill between footing level and finished grade at the exterior side of the proposed buildings and landscaping areas should consist of a workable brown silty clay fill. A non-woven geotextile liner, such as Terratrack 200 or equivalent, should be placed over the granular fill surface to prevent soil loss.

<u>For Right of Way (ROW) Areas</u>

- ❑ Up to a maximum of 1 m of engineered fill, such as OPSS Granular A or Granular B crushed stone and/or well-graded blast rock, up to 150 mm in particle size, may be used to in-fill the existing SWMP up to the spring line elevation of the proposed services. The engineered fill should be placed in maximum 300 mm loose lifts under dry conditions, compacted to a minimum 98% of the material's SPMDD using suitable compaction equipment and approved by Paterson at the time of backfilling.

- ❑ Where more than 1 m of in-filling is required, a workable brown silty clay, free of organics and deleterious fill is to be placed from the bottom of the existing pond up to approximately 1 m below the invert elevation of the proposed services. The silty clay is to be placed in maximum 400 mm thick loose lifts and compacted to a minimum 98% of the material's SPMDD using a sheepsfoot roller making several passes, under dry conditions and above freezing temperatures and approved by Paterson personnel.

- Where a transition between clay and granular fill is proposed, a non-woven geotextile liner such as Terrafix 360R or equivalent is to be placed above the silty clay subgrade. The above recommendations for placement of engineered fill and/or blast rock are applicable upon placement of the geotextile liner.

For Recreational Areas (i.e. Non-Settlement Sensitive)

- If recreational areas, where settlement is of minor concern, are proposed within the current pond area, the workable, stiff brown silty clay (placed in maximum 300 mm loose lifts, under dry conditions, compacted using a sheepsfoot roller and approved by Paterson personnel at the time of placement) can be placed to the final proposed geodetic elevation of 103.5 m.

- **It is important to note** that if the pond is infilled using the above noted recreational area methodology and the scope of the redevelopment is changed to include settlement sensitive structures, the upper 1 m may need to be modified to accommodate the new construction, requiring a sub excavation to a geodetic elevation of approximately 102.5 m.

- If settlement sensitive structures area proposed within the recreational areas (such as out buildings, parking lots or asphalt/concrete paved courts), a non-woven geotextile liner such as Terratrack 200 or equivalent followed by a bi-axial geogrid liner, such as Terrafix TBX1500 or approved equivalent, should be placed directly above the compacted silty clay backfill material. A minimum 300 mm thick layer of suitable granular backfill such as OPSS Granular A or Granular B Type II should be placed directly below the underside of the settlement sensitive structure(s). The engineered granular fill should be placed in maximum 300 mm loose lifts under dry conditions, compacted to a minimum 98% of the material's SPMDD using suitable compaction equipment and approved by Paterson at the time of backfilling. This may result in surface water pooling within the granular pad located below the structure(s) which may increase humidity. Therefore, it is recommended that a damp-proofing membrane and/or a minimum 100 mm diameter perforated, corrugated drainage pipe connected to a positive outlet be placed below the underside of the structure(s) to reduce the anticipated humidity.

- For unheated slab-on-grade structures, such as tennis courts, splash pads, etc., frost protection may be required. Therefore, once the landscaping plans are finalized, Paterson should review the final grading and provide frost protection design and details.

Inspections During Construction

- ❑ Periodic inspections during the backfilling operation should be completed by Paterson personnel to confirm the above noted recommendations are adhered to.

We trust that this information satisfies your requirements.

Best Regards,

Paterson Group Inc.

Owen R. Canton, B.Eng.

Faisal I. Abou-Seido, P.Eng.

Attachments:

- ❑ Soil Profile and Test Data Sheets
- ❑ Drawing PG6197-1 – Test Hole Location Plan

patersongroup Consulting Engineers

9 Auriga Drive, Ottawa, Ontario K2E 7T9

SOIL PROFILE AND TEST DATA

Geotechnical Investigation
Proposed Development - 3882 Barnsdale Road
Ottawa, Ontario

DATUM Geodetic

REMARKS

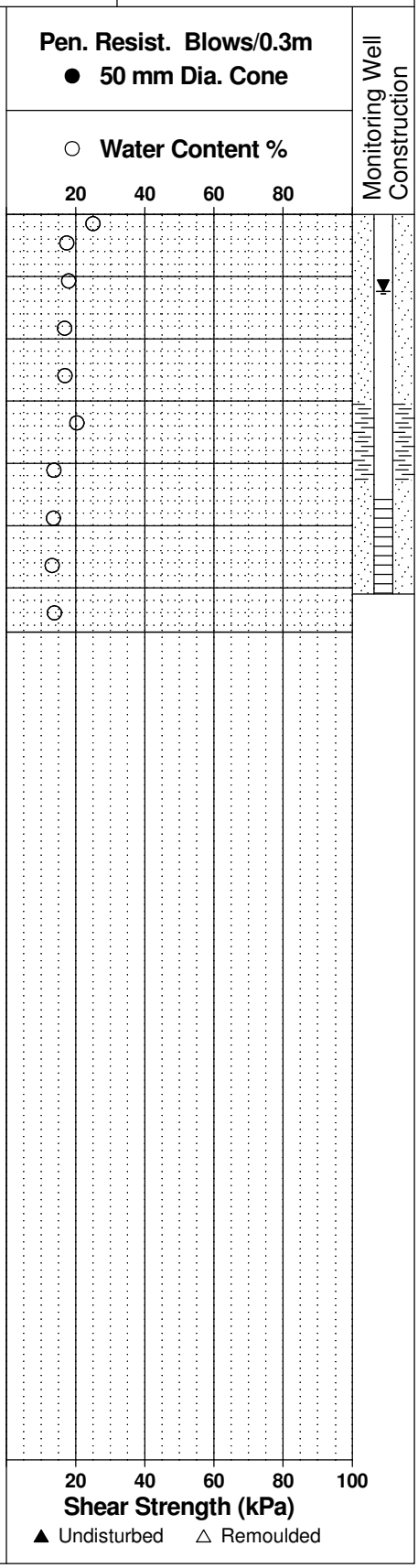
BORINGS BY Track-Mount Power Auger **DATE** April 12, 2022

FILE NO. PG6197

HOLE NO. BH 4-22

SOIL DESCRIPTION	STRATA PLOT	SAMPLE TYPE	NUMBER	% RECOVERY	N VALUE or RQD	DEPTH (m)	ELEV. (m)
GROUND SURFACE						0	99.42
TOPSOIL 0.20		SS	1	83	4		
Compact, brown **SILTY SAND** 1.45		SS	2	83	26	1	98.42
Dense, brown **SILTY SAND to SANDY SILT** 2.44		SS	3	100	43	2	97.42
		SS	4	83	26		
		SS	5	100	49	3	96.42
Dense to very dense, grey **SILTY SAND to SANDY SILT**		SS	6	73	50+	4	95.42
		SS	7	100	61	5	94.42
		SS	8	91	50+		
		SS	9	80	50+	6	93.42
6.71							
End of Borehole							

(GWL @ 0.16m - April 21, 2022)
(GWL @ 1.24m - October 18, 2022)



patersongroup Consulting Engineers

154 Colonnade Road South, Ottawa, Ontario K2E 7J5

SOIL PROFILE AND TEST DATA

Geotechnical Investigation
Barrhaven South Urban Expansion
Ottawa, Ontario

DATUM Geodetic elevations interpolated from City of Ottawa basemap.

FILE NO. PG3607

REMARKS

HOLE NO. TP 94-15

BORINGS BY Backhoe **DATE** November 17, 2015

SOIL DESCRIPTION	STRATA PLOT	SAMPLE TYPE	SAMPLE NUMBER	SAMPLE % RECOVERY	SAMPLE N VALUE or RQD	DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone ○ Water Content %	Piezometer Construction
GROUND SURFACE									
TOPSOIL 0.15						0	99.90		
Loose, brown **SILTY SAND**		G	1			1	98.90		▽
- grey by 1.1m depth		G	2						
		G	3			2	97.90		
2.70 End of Test Pit									
(Open hole GWL @ 1.55m depth)									

Pen. Resist. Blows/0.3m: 20 40 60 80

Water Content %: 20 40 60 80

Shear Strength (kPa): 20 40 60 80 100

▲ Undisturbed △ Remoulded

patersongroup Consulting Engineers

154 Colonnade Road South, Ottawa, Ontario K2E 7J5

SOIL PROFILE AND TEST DATA

Geotechnical Investigation
Barrhaven South Urban Expansion
Ottawa, Ontario

DATUM Geodetic elevations interpolated from City of Ottawa basemap.

FILE NO. PG3607

REMARKS

HOLE NO. TP111-15

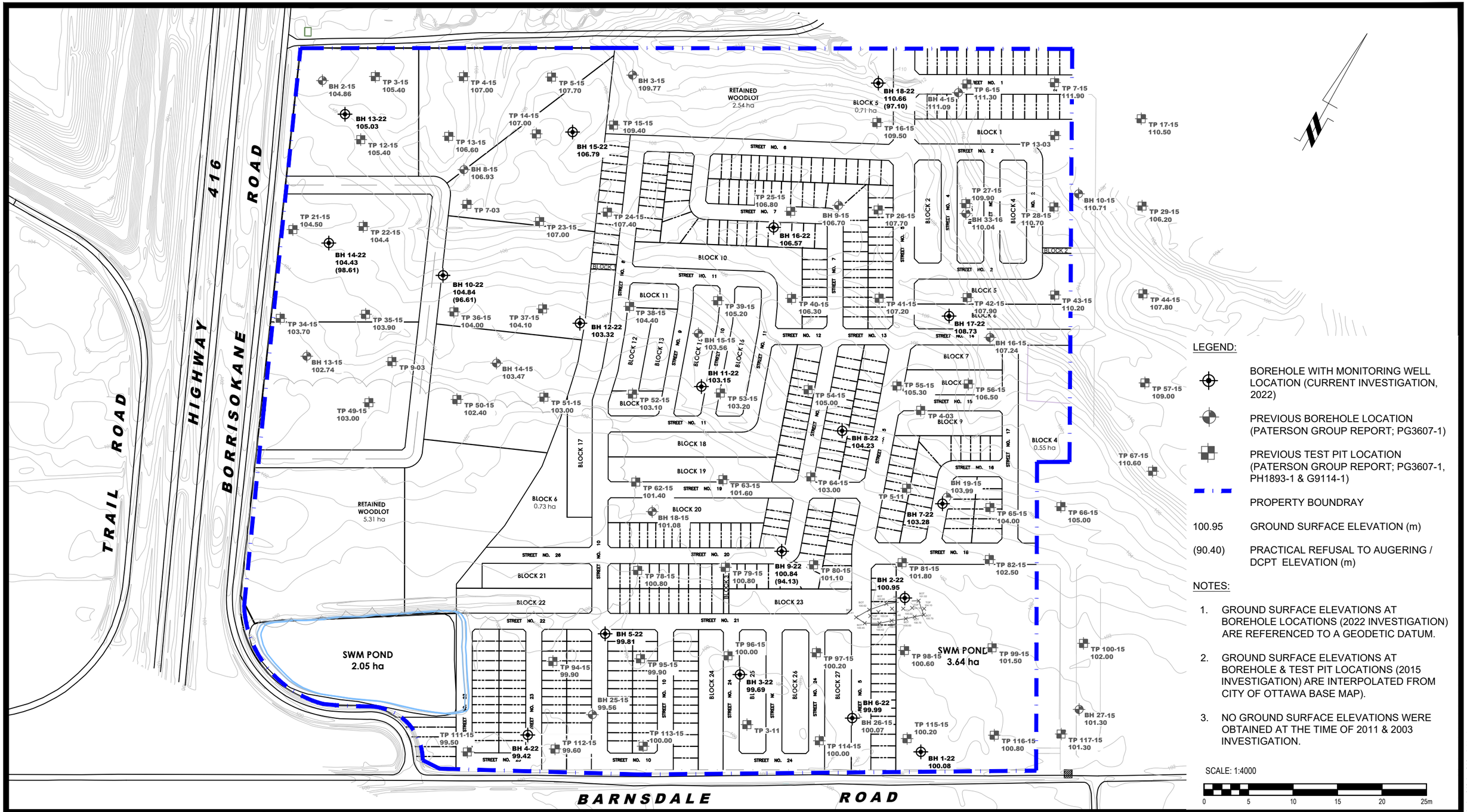
BORINGS BY Backhoe **DATE** November 17, 2015

SOIL DESCRIPTION	STRATA PLOT	SAMPLE TYPE	SAMPLE NUMBER	SAMPLE % RECOVERY	SAMPLE N VALUE or RQD	DEPTH (m)	ELEV. (m)	Pen. Resist. Blows/0.3m ● 50 mm Dia. Cone ○ Water Content %	Piezometer Construction
GROUND SURFACE						0	99.50		
TOPSOIL 0.20									
Compact, brown **SILTY SAND**		G	1			1	98.50		
- grey by 1.2m depth		G	2						
		G	3			2	97.50		
2.60 End of Test Pit									
(Open hole GWL @ 1.5m depth)									

Pen. Resist. Blows/0.3m: ● 50 mm Dia. Cone; ○ Water Content %; scale 20 40 60 80

Shear Strength (kPa): 20 40 60 80 100

▲ Undisturbed △ Remoulded



LEGEND:

- BOREHOLE WITH MONITORING WELL LOCATION (CURRENT INVESTIGATION, 2022)
- PREVIOUS BOREHOLE LOCATION (PATERSON GROUP REPORT; PG3607-1)
- PREVIOUS TEST PIT LOCATION (PATERSON GROUP REPORT; PG3607-1, PH1893-1 & G9114-1)
- PROPERTY BOUNDRAY
- 100.95 GROUND SURFACE ELEVATION (m)
- (90.40) PRACTICAL REFUSAL TO AUGERING / DCPT ELEVATION (m)

NOTES:

1. GROUND SURFACE ELEVATIONS AT BOREHOLE LOCATIONS (2022 INVESTIGATION) ARE REFERENCED TO A GEODETIC DATUM.
2. GROUND SURFACE ELEVATIONS AT BOREHOLE & TEST PIT LOCATIONS (2015 INVESTIGATION) ARE INTERPOLATED FROM CITY OF OTTAWA BASE MAP).
3. NO GROUND SURFACE ELEVATIONS WERE OBTAINED AT THE TIME OF 2011 & 2003 INVESTIGATION.

SCALE: 1:4000

0 5 10 15 20 25m

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

MINTO COMMUNITIES

GEOTECHNICAL AND HYDROLOGICAL INVESTIGATION
PROPOSED DEVELOPMENT - BARRHAVEN SOUTH EXPANSION
3882 BARNSDALE ROAD
OTTAWA, ONTARIO

Title:

TEST HOLE LOCATION PLAN

Scale: 1:4000	Date: 10/2022
Drawn by: JM	Report No.: PG6197-REP.01
Checked by: MS	Dwg. No.: PG6197-1
Approved by: DJG	Revision No.:

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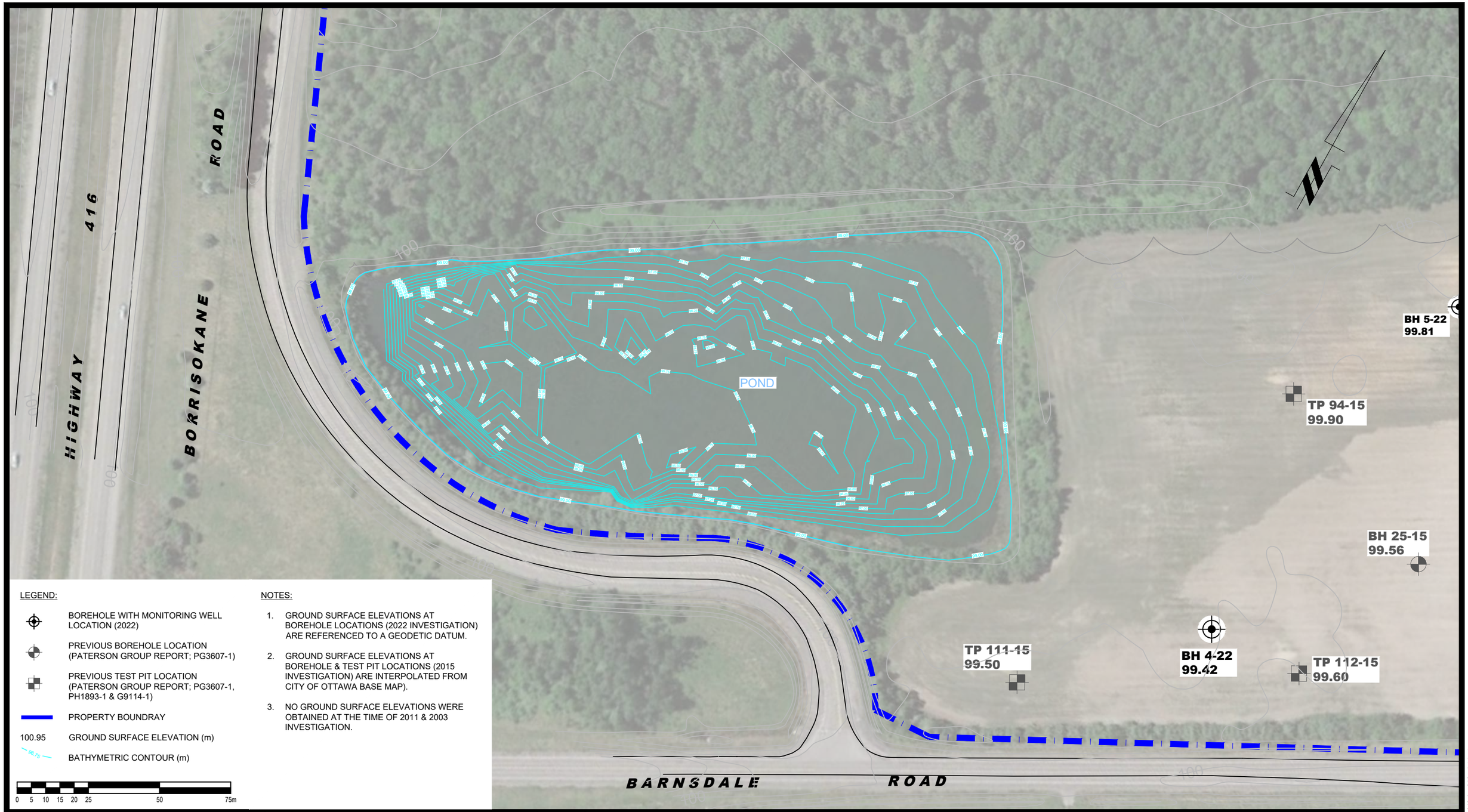

LEGEND:

- BOREHOLE WITH MONITORING WELL LOCATION (2022)
- PREVIOUS BOREHOLE LOCATION (PATERSON GROUP REPORT; PG3607-1)
- PREVIOUS TEST PIT LOCATION (PATERSON GROUP REPORT; PG3607-1, PH1893-1 & G9114-1)
- PROPERTY BOUNDRAY
- 100.95 GROUND SURFACE ELEVATION (m)
- BATHYMETRIC CONTOUR (m)

0 5 10 15 20 25 50 75m

NOTES:

1. GROUND SURFACE ELEVATIONS AT BOREHOLE LOCATIONS (2022 INVESTIGATION) ARE REFERENCED TO A GEODETIC DATUM.
2. GROUND SURFACE ELEVATIONS AT BOREHOLE & TEST PIT LOCATIONS (2015 INVESTIGATION) ARE INTERPOLATED FROM CITY OF OTTAWA BASE MAP).
3. NO GROUND SURFACE ELEVATIONS WERE OBTAINED AT THE TIME OF 2011 & 2003 INVESTIGATION.

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

NO.	REVISIONS	DATE	INITIAL

MINTO COMMUNITIES

GEOTECHNICAL AND HYDROLOGICAL INVESTIGATION
PROPOSED DEVELOPMENT
3882 BARNSDALE ROAD
OTTAWA, ONTARIO

Title:

BATHYMETRIC CONTOUR PLAN

Scale: 1:1250	Date: 04/2022
Drawn by: RCG	Report No.: PG6197
Checked by: FA	Dwg. No.: PG6197-3
Approved by: DJG	Revision No.:

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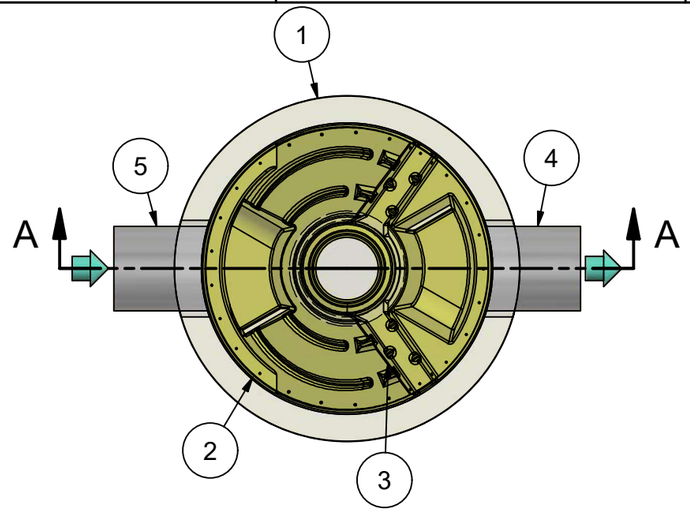
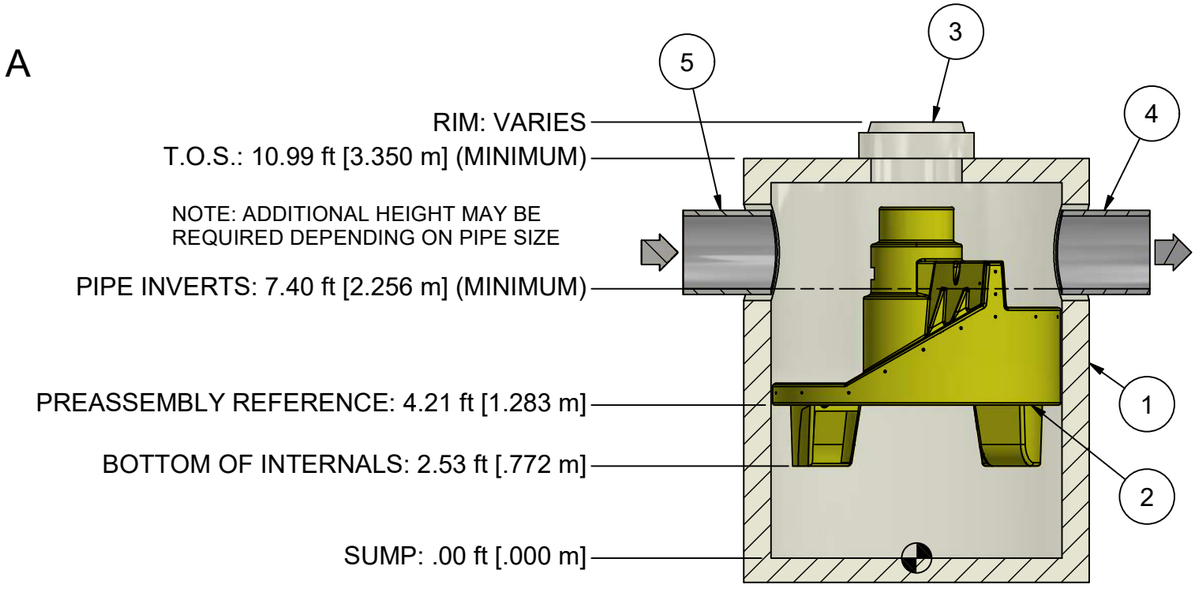
Appendix C

Functional Level Information
of Preferred Solution



PLAN VIEW



SECTION A-A

HYDRO FRAME AND COVER (INCLUDED)

GRADE RINGS BY OTHERS AS REQUIRED

PRODUCT SPECIFICATION:

1. Peak Hydraulic Flow: 50.0 cfs (1415 l/s)
2. Min Sediment Storage Capacity: 2.8 cu. yd. (2.1 cu. m.)
3. Maximum Inlet/Outlet Pipe Diameters: 48 in. (1200 mm)
4. The treatment system shall use an induced vortex to separate pollutants from stormwater runoff.
5. For more product information including regulatory acceptances, please visit https://hydro-int.com/en/products/first-defense

GENERAL NOTES:

1. General Arrangement drawings only. Contact Hydro International for site specific drawings.
2. The diameter of the inlet and outlet pipes may be no more than 48".
3. Multiple inlet pipes possible (refer to project plan).
4. Inlet/outlet pipe angle can vary to align with drainage network (refer to project plans).
5. Peak flow rate and minimum height limited by available cover and pipe diameter.
6. Larger sediment storage capacity may be provided with a deeper sump depth.

PARTS LIST

ITEM	QTY	SIZE (in)	SIZE (mm)	DESCRIPTION
1	1	96	2400	I.D. PRECAST MANHOLE
2	1			INTERNAL COMPONENTS (PRE-INSTALLED)
3	1	30	750	FRAME AND COVER (ROUND)
4	1	48 (MAX)	1200 (MAX)	OUTLET PIPE (BY OTHERS)
5	1	48 (MAX)	1200 (MAX)	INLET PIPE (BY OTHERS)

1. MANHOLE WALL AND SLAB THICKNESSES ARE NOT TO SCALE.

2. CONTACT HYDRO INTERNATIONAL FOR A BOTTOM OF STRUCTURE ELEVATION PRIOR TO SETTING FIRST DEFENSE MANHOLE.

3. CONTRACTOR TO CONFIRM RIM, PIPE INVERTS, PIPE DIA. AND PIPE ORIENTATION PRIOR TO RELEASE OF UNIT TO FABRICATION.

PROJECTION

IF IN DOUBT ASK

DATE:	SCALE:
11/2/2021	1:50

DRAWN BY:	CHECKED BY:	APPROVED BY
ER	MRJ	

Title
8-ft DIAMETER
FIRST DEFENSE

GENERAL ARRANGEMENT

Hydro International®
hydro-int.com
HYDRO INTERNATIONAL

WEIGHT:	MATERIAL:

STOCK NUMBER:

DRAWING NO.:
FD GA-8

SHEET SIZE:	SHEET:	Rev:
B	1 OF 1	-

ADS Treatment Train Sizing

Project Name: S1 Lands

Consulting Engineer: JL Richards

Location: Ottawa, ON

Sizing Completed By: Daniel Dermardiros **Email:** daniel.dermardiros@adspipe.com

Summary of Results	
~~Isolator Row PLUS TSS Removal:~~	~~80.0%~~
FD-8HC TSS Removal:	37.0%
~~**Combined TSS Removal:**~~	~~**87.0%**~~
~~**Total Volume Treated:**~~	~~**98.8%**~~

Site Details	
Site Area (ha):	20.585
Rational C:	0.7
Particle Size Distribution:	ETV
Rainfall Station:	Ottawa, ONT

Notes: OGS results based on ETV PSD and results from ETV testing protocols.

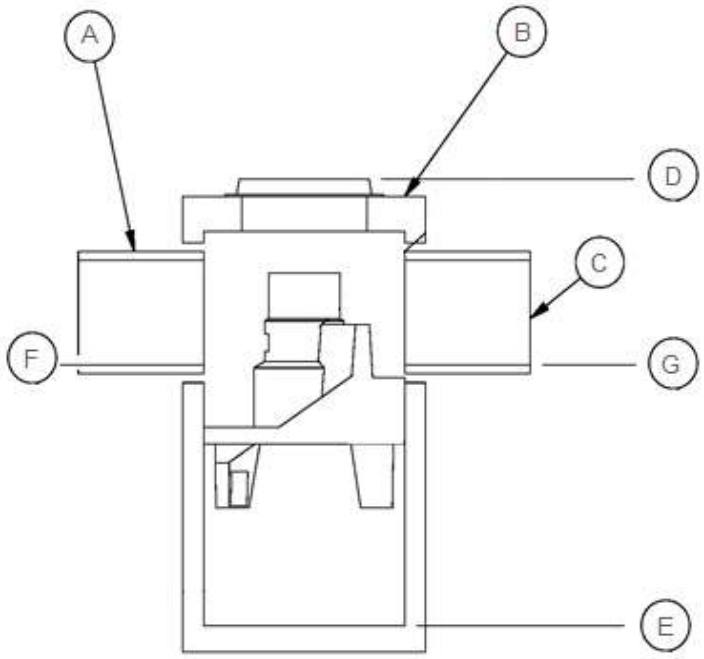
Individual OGS Results		
Model	**TSS Removal**	**Volume Treated**
FD-4HC	23.0%	89.0%
FD-5HC	28.0%	>90%
FD-6HC	32.0%	>90%
FD-8HC	37.0%	>90%
FD-10HC	40.0%	>90%

~~Stormtech Details~~	
Chamber Model:	MC-7200
No. Chambers in Isolator Row PLUS:	88
Volume Treated by Isolator Row PLUS:	98.5%

Notes: Refer to Stormtech drawings for full IR+ configuration.

Isolator Row PLUS must include Flared End Ramp (FLAMP) for proper performance.

Overall System Capacities	
Total Sediment Storage Capacity (m3):	2.14
Oil Storage Capacity:	4,239 L
Max. OGS Pipe Diameter:	1,200 mm
Peak OGS Flow Capacity:	1,415 L/s
Peak Stormtech Inlet Flow Capacity:	311 L/s
Peak IR PLUS Water Quality Flow:	1139.6 L/s



OGS Specifications	
Inlet Pipe Diameter (A):	1500 mm
Unit Diameter (B):	2,400 mm
Outlet Pipe Diameter (C):	1500 mm
Rim Elevation (D):	0.00 m
Bottom of Sump Elevation (E):	#N/A
Inlet Pipe Elevation (F):	0.00 m
Outlet Pipe Elevation (G):	0.00 m

Notes:

Isolator Row PLUS removal efficiency based on verified ETV test report. For dimensions and configuration of Isolator Row PLUS, please see Stormtech drawing package.

Project Name:	S1 Lands
Consulting Engineer:	JL Richards
Location:	Ottawa, ON

Net Annual Removal Efficiency Summary

Rainfall Intensity	Fraction of Rainfall	Removal Efficiency		Combined Removal Efficiency	Combined Weighted Removal Efficiency
		FD-8HC	IR PLUS[2]		
mm/hr	%	%	%	%	%
0.50	0.1%	51.2%	81.2%	90.8%	0.1%
1.00	14.1%	46.2%	81.2%	89.9%	12.7%
1.50	14.2%	43.3%	81.2%	89.3%	12.7%
2.00	14.1%	41.2%	81.2%	89.0%	12.6%
2.50	4.2%	39.6%	81.2%	88.7%	3.7%
3.00	1.5%	38.3%	81.2%	88.4%	1.3%
3.50	8.5%	37.2%	81.2%	88.2%	7.5%
4.00	5.4%	36.2%	81.2%	88.0%	4.8%
4.50	1.2%	35.4%	81.2%	87.9%	1.0%
5.00	5.5%	34.6%	81.2%	87.7%	4.9%
6.00	4.3%	33.3%	81.2%	87.5%	3.8%
7.00	4.5%	32.2%	81.2%	87.3%	3.9%
8.00	3.1%	31.3%	81.2%	87.1%	2.7%
9.00	2.3%	30.4%	81.2%	86.9%	2.0%
10.00	2.6%	29.7%	81.2%	86.8%	2.2%
20.00	9.2%	24.7%	81.2%	85.8%	7.9%
30.00	2.6%	21.7%	77.5%	82.4%	2.2%
40.00	1.2%	19.7%	58.1%	66.4%	0.8%
50.00	0.5%	18.1%	46.5%	56.2%	0.3%
		Total Net Annual Removal Efficiency			**87.0%**
		Total Runoff Volume Treated			**98.8%**

Notes:

(1) Rainfall Data: 1960:2007, HLY03, Ottawa, ONT, 6105976 & 6105978.

(2) IR PLUS removal based on ETV PSD and ETV protocols.

(3)

(4) Combined removal efficiencies calculated based on NCDENR Stormwater BMP Manual, Section 3.9.4, where Total Removal Efficiency = 1st BMP Efficiency + 2nd BMP Efficiency - (1st BMP Efficiency x 2nd BMP Efficiency)

Appendix D

Figure (EES Separation) and
Storm Sewer Design Sheets

STORM SEWER DESIGN SHEET - CONVENTIONAL SYSTEM

BARRHAVEN SOUTH PHASE 6-8

JLR NO.: 26610-006

Prepared By: MM
Reviewed By: KF

LOCATION			C-FACTORS				DRAINAGE AREAS		TIME OF CONCENTRATION			PEAK FLOW ESTIMATION											SEWER DATA									UPSTREAM GEOMETRY				DOWNSTREAM GEOMETRY				
			1:2 Year Storm (Residential/Local Streets)			1:5 Year Storm (Collector Roads)						1:2 Year Storm (Residential/Local Streets)					1:5 Year Storm (ICI)					Plug Flow (L/s)																	
Street	From MH	To MH	0.45	0.65	0.70	0.70	Total Area (ha)	Cum. Total Area (ha)	Inlet Time (min.)	In Pipe Flow Time (min)	Total Time	2.78AR	Add. 2.78AR	Cum. 2.78AR	1:5 Yr Intensity (mm/hr)	Peak Flow (L/s)	2.78AR	Add. 2.78AR	Cum. 2.78AR	1:5 Yr Intensity (mm/hr)	Peak Flow (L/s)		Total Peak Flow (L/s)	Type	Nominal Dia. (mm)	Actual Dia. (mm)	Slope	Length (m)	Q Full (L/s)	V Full (m/s)	Residual Capacity (L/s)	% Full	TG From	Obvert	Invert	Cover	TG To	Drop	Obvert	Invert	Cover
TO BORROSIKANE DITCH																																							
Kilbirnie Road	522	523				0.44	0.44	0.44	10.00	1.70	**11.70**	0.00		0.00	76.81	0.00	0.85		0.85	104.19	88.20		**88.20**	CONCRETE	375	381.00	0.25%	81.88	91.46	0.80	**3.26**	**96%**	107.30	104.986	104.605	**2.314**	105.749		104.781	104.400	**0.968**
LANDS SOUTH OF CAPPAMORE -PHASE 8 & INDUSTRIAL LANDS- CONVENTIONAL SYSTEM (INDUSTRIAL LANDS TO MH 525)																																							
Street No. 15	550	549		0.710			0.71	0.71	**10.00**	1.46	**11.46**	1.28		1.28	76.81	98.54	0.00		0.00	104.19	0.00		**98.54**	CONCRETE	450	457.20	0.20%	71.20	133.02	0.81	**34.48**	**74%**	104.15	102.544	102.086	**1.606**	104.100		102.401	101.944	**1.699**
Street No. 15	549	548		0.610			0.61	1.32	**11.46**	1.32	**12.79**	1.10		2.39	71.60	170.79	0.00		0.00	97.04	0.00		**170.79**	CONCRETE	525	533.40	0.20%	71.20	200.65	0.90	**29.85**	**85%**	104.10	102.401	101.868	**1.699**	104.000		102.259	101.725	**1.741**
Street No. 15	548	545		0.540			0.54	1.86	**12.79**	1.47	**14.26**	0.98		3.36	67.54	227.00	0.00		0.00	91.47	0.00		**227.00**	CONCRETE	600	609.60	0.15%	75.02	248.09	0.85	**21.09**	**92%**	104.00	102.259	101.649	**1.741**	103.925		102.146	101.537	**1.779**
Street No. 15	547A	547					0.00	0.00	**10.00**	1.30	**11.30**	0.00		0.00	76.81	0.00	0.00		0.00	104.19	0.00		**0.00**	CONCRETE	450	457.20	0.20%	63.19	133.02	0.81	**133.02**	**0%**	104.14	102.580	102.123	**1.563**	104.100		102.454	101.997	**1.646**
Street No. 15	547	546		0.660			0.66	0.66	**11.30**	1.72	**13.02**	1.19		1.19	72.15	86.05	0.00		0.00	97.79	0.00		**86.05**	CONCRETE	450	457.20	0.20%	83.41	133.02	0.81	**46.97**	**65%**	104.10	102.454	101.997	**1.546**	103.988		102.287	101.830	**1.701**
Street No. 15	546	545		0.450			0.45	1.11	**13.02**	1.31	**14.32**	0.81		2.01	66.89	134.16	0.00		0.00	90.57	0.00		**134.16**	CONCRETE	525	533.40	0.20%	70.49	200.65	0.90	**66.49**	**67%**	103.99	102.287	101.754	**1.701**	103.925		102.146	101.613	**1.779**
Street No. 15	545	541		0.320			0.32	3.29	**14.32**	1.17	**15.49**	0.58		5.95	63.41	376.98	0.00		0.00	85.81	0.00		**376.98**	CONCRETE	750	762.00	0.15%	69.00	449.81	0.99	**72.84**	**84%**	103.93	102.146	101.384	**1.779**	103.830		102.043	101.281	**1.787**
Street No. 16	542	541		0.360			0.36	0.36	**10.00**	1.11	**11.11**	0.65		0.65	76.81	49.96	0.00		0.00	104.19	0.00		**49.96**	CONCRETE	375	381.00	0.30%	58.34	100.18	0.88	**50.22**	**50%**	104.73	102.218	101.837	**2.511**	103.830		102.043	101.662	**1.787**
Street No. 16	541	540		0.330			0.33	3.98	**15.49**	0.76	**16.25**	0.60		7.19	60.63	436.08	0.00		0.00	82.01	0.00		**436.08**	CONCRETE	825	838.20	0.15%	47.74	579.98	1.05	**143.90**	**75%**	103.83	102.043	101.205	**1.787**	103.705		101.971	101.133	**1.734**
Street No. 16	543	540		0.830			0.83	0.83	**10.00**	2.15	**12.15**	1.50		1.50	76.81	115.19	0.00		0.00	104.19	0.00		**115.19**	CONCRETE	450	457.20	0.20%	104.45	133.02	0.81	**17.82**	**87%**	103.86	102.180	101.723	**1.680**	103.705		101.971	101.514	**1.734**
Easement (ST 16 to ST18)	540	536					0.00	4.81	**16.25**	1.14	**17.39**	0.00		8.69	58.97	512.57	0.00		0.00	79.73	0.00		**512.57**	CONCRETE	825	838.20	0.15%	72.00	579.98	1.05	**67.41**	**88%**	103.71	101.971	101.133	**1.734**	103.603		101.863	101.025	**1.740**
Street No. 18	537	536			0.500		0.50	0.50	**10.00**	2.00	**12.00**	0.97		0.97	76.81	74.73	0.00		0.00	104.19	0.00		**74.73**	CONCRETE	375	381.00	0.30%	105.23	100.18	0.88	**25.45**	**75%**	104.57	102.179	101.798	**2.389**	103.603		101.863	101.482	**1.740**
Street No. 16	539A	539					0.00	0.00	**10.00**	1.24	**11.24**	0.00		0.00	76.81	0.00	0.00		0.00	104.19	0.00		**0.00**	CONCRETE	450	457.20	0.20%	60.10	133.02	0.81	**133.02**	**0%**	103.83	102.215	101.758	**1.614**	103.700		102.095	101.638	**1.605**
Street No. 18	539	538			0.304		0.30	0.30	**11.24**	1.24	**12.48**	0.59		0.59	72.36	42.81	0.00		0.00	98.09	0.00		**42.81**	CONCRETE	450	457.20	0.20%	60.36	133.02	0.81	**90.21**	**32%**	103.70	102.095	101.638	**1.605**	103.652		101.975	101.517	**1.677**
Street No. 18	538	536			0.250		0.25	0.55	**12.48**	1.15	**13.62**	0.49		1.08	68.44	73.79	0.00		0.00	92.70	0.00		**73.79**	CONCRETE	450	457.20	0.20%	55.72	133.02	0.81	**59.23**	**55%**	103.65	101.975	101.517	**1.677**	103.603		101.863	101.406	**1.740**
Easement (ST 18 to ST16)	536	532					0.00	5.86	**17.39**	0.73	**18.11**	0.00		10.74	56.65	608.58	0.00		0.00	76.56	0.00		**608.58**	CONCRETE	900	914.40	0.15%	48.50	731.45	1.11	**122.87**	**83%**	103.60	101.863	100.949	**1.740**	103.501		101.790	100.876	**1.710**
Street No. 16	533	532		0.700			0.70	0.70	**10.00**	1.83	**11.83**	1.26		1.26	76.81	97.15	0.00		0.00	104.19	0.00		**97.15**	CONCRETE	375	381.00	0.35%	103.93	108.21	0.95	**11.06**	**90%**	104.51	102.154	101.773	**2.359**	103.501		101.790	101.409	**1.710**
Street No. 16	535	534		0.500			0.50	0.50	**10.00**	1.20	**11.20**	0.90		0.90	76.81	69.39	0.00		0.00	104.19	0.00		**69.39**	CONCRETE	450	457.20	0.20%	58.20	133.02	0.81	**63.62**	**52%**	103.64	102.023	101.566	**1.614**	103.575		101.907	101.450	**1.668**
Street No. 16	534	532		0.440			0.44	0.94	**11.20**	1.20	**12.39**	0.80		1.70	72.49	123.14	0.00		0.00	98.27	0.00		**123.14**	CONCRETE	450	457.20	0.20%	58.20	133.02	0.81	**9.88**	**93%**	103.57	101.907	101.450	**1.668**	103.501		101.790	101.333	**1.710**
Easement (ST 16 to ST 15)	532	528					0.00	7.50	**18.11**	0.98	**19.09**	0.00		13.71	55.28	757.63	0.00		0.00	74.68	0.00		**757.63**	CONCRETE	975	990.60	0.15%	69.00	905.48	1.17	**147.85**	**84%**	103.50	101.790	100.800	**1.710**	103.405		101.687	100.696	**1.718**
Street No. 15	529	528		0.460			0.46	0.46	**10.00**	1.93	**11.93**	0.83		0.83	76.81	63.84	0.00		0.00	104.19	0.00		**63.84**	CONCRETE	375	381.00	0.30%	101.87	100.18	0.88	**36.34**	**64%**	104.33	101.992	101.611	**2.336**	103.405		101.687	101.306	**1.718**
Street No. 15	531	530		0.300			0.30	0.30	**10.00**	1.24	**11.24**	0.54		0.54	76.81	41.64	0.00		0.00	104.19	0.00		**41.64**	CONCRETE	450	457.20	0.20%	60.10	133.02	0.81	**91.38**	**31%**	103.50	101.927	101.470	**1.573**	103.454		101.807	101.350	**1.647**
Street No. 15	530	528		0.290			0.29	0.59	**11.24**	1.24	**12.47**	0.52		1.07	72.36	77.15	0.00		0.00	98.09	0.00		**77.15**	CONCRETE	450	457.20	0.20%	60.10	133.02	0.81	**55.87**	**58%**	103.45	101.807	101.350	**1.647**	103.405		101.687	101.230	**1.718**
Easement (ST 15 to ST 17)	528	525					0.00	**8.554**	**19.09**	1.06	**20.16**	0.00		15.60	53.54	835.37	0.00		0.00	72.31	0.00		**835.37**	CONCRETE	975	990.60	0.15%	74.99	905.48	1.17	**70.11**	**92%**	103.40	101.687	100.696	**1.718**	103.300		101.574	100.584	**1.726**
PHASE 7 - CONVENTIONAL SYSTEM (CAPPAMORE DRIVE TO MH 502)																																							
Cappamore Drive	556	555				0.39	0.39	0.39	**10.00**	1.56	**11.56**	0.00		0.00	76.81	0.00	0.75		0.75	104.19	78.47		**78.47**	CONCRETE	525	533.40	0.16%	75.20	179.46	0.80	**100.99**	**44%**	105.60	102.226	101.692	**3.374**	105.348		102.106	101.572	**3.242**
Cappamore Drive	555	554					0.32	0.70	**11.56**	1.56	**13.12**	0.00		0.00	71.29	0.00	0.61		1.37	96.61	132.17		**132.17**	CONCRETE	525	533.40	0.16%	75.20	179.46	0.80	**47.29**	**74%**	105.35	102.106	101.572	**3.242**	104.962		101.985	101.452	**2.976**
Cappamore Drive	554	553				0.27	0.27	0.97	**13.12**	1.37	**14.49**	0.00		0.00	66.59	0.00	0.52		1.89	90.16	170.02		**170.02**	CONCRETE	600	609.60	0.16%	72.01	256.22	0.88	**86.20**	**66%**	104.96	101.985	101.376	**2.976**	104.722		101.870	101.260	**2.852**
Cappamore Drive	553	552				0.18	0.18	1.14	**14.49**	1.37	**15.86**	0.00		0.00	63.00	0.00	0.34		2.23	85.25	189.78		**189.78**	CONCRETE	600	609.60	0.16%	72.07	256.22	0.88	**66.44**	**74%**	104.72	101.870	101.260	**2.852**	104.632		101.755	101.145	**2.878**
Cappamore Drive	552	551				0.19	0.19	1.33	**15.86**	1.06	**16.91**	0.00		0.00	59.82	0.00	0.36		2.59	80.89	209.20		**209.20**	CONCRETE	675	685.80	0.16%	60.25	350.77	0.95	**141.58**	**60%**	104.63	101.755	101.069	**2.878**	104.462		101.658	100.973	**2.804**
Cappamore Drive	551	**502**				0.33	0.33	1.66	**16.91**	1.07	**17.98**	0.00		0.00	57.59	0.00	0.64		3.22	77.84	251.01		**251.01**	CONCRETE	675	685.80	0.16%	60.77	350.77	0.95	**99.76**	**72%**	104.46	101.658	100.973	**2.804**	104.272		101.561	100.875	**2.711**
PHASE 6 - CONVENTIONAL SYSTEM (ELEVATION ROAD TO FILTRATION POND)																																							
Kilbirnie Drive	520	519				0.25	0.25	0.25	**10.00**	1.97	**11.97**	0.00		0.00	76.81	0.00	0.49		0.49	104.19	50.69		**50.69**	CONCRETE	450	457.20	0.20%	95.85	133.02	0.81	**82.33**	**38%**	109.00	107.124	106.667	**1.876**	108.893		106.932	106.475	**1.960**
Kilbirnie Drive	519	518				0.34	0.34	0.59	**11.97**	2.09	**14.06**	0.00		0.00	69.98	0.00	0.66		1.15	94.82	108.86		**108.86**	CONCRETE	525	533.40	0.15%	97.45	173.76	0.78	**64.90**	**63%**	108.89	106.932	106.399	**1.960**	108.772		106.786	106.253	**1.986**
Kilbirnie Drive	518	517				0.60	0.60	1.19	**14.06**	2.09	**16.15**	0.00		0.00	64.08	0.00	1.17		2.32	86.72	200.82		**200.82**	CONCRETE	600	609.60	0.15%	106.64	248.09	0.85	**47.26**	**81%**	108.77	106.786	106.177	**1.986**	108.643		106.626	106.017	**2.017**
Kilbirnie Drive	517	516				0.56	0.56	1.75	**16.15**	1.92	**18.07**	0.00		0.00	59.18	0.00	1.10		3.41	80.01	273.11		**273.11**	CONCRETE	675	685.80	0.15%	105.97	339.63	0.92	**66.53**	**80%**	108.64	106.626	105.940	**2.017**	108.514		106.467	105.781	**2.047**
Kilbirnie Drive	516	513				0.55	0.55	2.30	**18.07**	1.67	**19.75**	0.00		0.00	55.35	0.00	1.07		4.48	74.79	335.32		**335.32**	CONCRETE	675	685.80	0.20%	106.63	392.18	1.06	**56.86**	**86%**	108.51	106.467	105.781	**2.047**	108.385		106.254	105.568	**2.131**
Kilbirnie Drive	515	514				0.50	0.50	0.50	**10.00**	1.96	**11.96**	0.00		0.00	76.81	0.00	0.97		0.97	104.19	101.38		**101.38**	CONCRETE	450	457.20	0.20%	95.14	133.02	0.81	**31.64**	**76%**	109.09	106.635	106.177	**2.459**	108.744		106.444	105.987	**2.300**
Kilbirnie Drive	514	513				0.55	0.55	1.05	**11.96**	1.77	**13.72**	0.00		0.00	70.03	0.00	1.07		2.04	94.88	193.87		**193.87**	CONCRETE	525	533.40	0.20%	95.15	200.65	0.90	**6.78**	**97%**	108.74	106.444	105.911	**2.300**	108.385		106.254	105.721	**2.131**
Elevation Road	513	512					0.00	3.35	**19.75**	0.31	**20.05**	0.00		0.00	52.44	0.00	0.00		6.53	70.81	462.19		**462.19**	CONCRETE	675	685.80	0.45%	29.32	588.26	1.59	**126.07**	**79%**	108.39	106.254	105.568	**2.131**	108.231		106.122	105.436	**2.109**
Elevation Road	512	511				0.26	0.26	3.61	**20.05**	0.47	**20.52**	0.00		0.00	51.95	0.00	0.51		7.03	70.14	493.25		**493.25**	CONCRETE	675	685.80	0.45%	44.46	588.26	1.59	**95.02**	**84%**	108.23	106.122	105.436	**2.109**	107.992		105.922	105.236	**2.070**
Elevation Road	511	510					0.00	3.61	**20.52**	0.15	**20.67**	0.00		0.00	51.21	0.00	0.00		7.03	69.13	486.21		**486.21**	CONCRETE	675	685.80	0.45%	14.54	588.26	1.59	**102.06**	**83%**	107.99	105.922	105.236	**2.070**	107.934		105.857	105.171	**2.077**
Elevation Road	510	509				0.30	0.30	3.91	**20.67**	0.58	**21.25**	0.00		0.00	50.98	0.00	0.58		7.62	68.81	524.12		**524.12**	CONCRETE	675	685.80	0.45%	55.69	588.26	1.59	**64.14**	**89%**	107.93	105.857	105.171	**2.077**	107.739		105.606	104.920	**2.133**
Elevation Road	509	508					0.00	3.91	**21.25**	0.45	**21.71**	0.00		0.00	50.10	0.00	0.00		7.62	67.62	515.00		**515.00**	CONCRETE	675	685.80	0.50%	45.50	620.09	1.68	**105.09**	**83%**	107.74	105.606	104.920	**2.133**	107.576		105.378	104.693	**2.197**
Elevation Road	508	507				0.30	0.30	4.21	**21.71**	0.45	**22.16**	0.00		0.00	49.44	0.00	0.58		8.20	66.72	547.12		**547.12**	CONCRETE	675	685.80	0.50%	45.50	620.09	1.68	**72.97**	**88%**	107.58	105.378	104.693	**2.197**	107.350		105.151	104.465	**2.199**
Elevation Road	507	506				0.29	0.29	4.50	**22.16**	0.51	**22.67**	0.00		0.00	48.80	0.00	0.56		8.76	65.85	577.13		**577.13**	CONCRETE	675	685.80	0.50%	51.74	620.09	1.68	**42.95**	**93%**	107.35	105.151	104.465	**2.199**	106.985		104.892	104.206	**2.093**
Elevation Road	506	505				0.32	0.32	4.82	**22.67**	0.65	**23.32**	0.00		0.00	48.10	0.00	0.62		9.39	64.89	609.12		**609.12**	CONCRETE	750	762.00	0.50%	70.03	821.24	1.80	**212.12**	**74%**	106.98	104.892	104.130	**2.093**	106.745		104.542	103.780	**2.203**
Elevation Road	505	504				0.42	0.42	5.24	**23.32**	0.78	**24.10**	0.00		0.00	47.24	0.00	0.82		10.20	63.72	650.24		**650.24**	CONCRETE	750	762.00	0.50%	84.04	821.24	1.80	**171.00**	**79%**	106.75	104.542	103.780	**2.203**	105.859		104.122	103.360	**1.737**
Elevation Road	504	503			0.16	0.31	0.47	5.72	**24.10**	0.70	**24.80**	0.29		0.29	46.26	13.29	0.61		10.82	62.38	674.78		**688.07**	CONCRETE	750	762.00	0.60%	83.24	899.63	1.97	**211.56**	**76%**	105.86	104.122	103.360	**1.737**	104.518	2.020	103.622	102.860	**0.896**
Cappamore Drive	503	502				0.43	0.43	6.14	**24.80**	0.39	**25.19**	0.00		0.29	45.40	13.04	0.83		11.65	61.22	713.10		**726.14**	CONCRETE	975	990.60	0.15%	27.53	905.48	1.17	**179.34**	**80%**	104.52	101.602	100.612	**2.916**	104.272		101.561	100.571	**2.711**
Street No. 17	502	MTD		0.240			0.24	8.04	**25.19**	0.44	**25.63**	0.43		0.72	44.95	32.41	0.00		14.87	60.59	901.22		**933.62**	CONCRETE	975	990.60	0.30%	43.96	1280.55	1.66	**346.92**	**73%**	104.27	101.561	100.571	**2.711**	103.383		101.429	100.439	**1.953**
Street No. 17	527A	527					0.00	0.00	**10.00**	1.29	**11.29**	0.00		0.00	76.81	0.00	0.00		0.00	104.19	0.00		**0.00**	CONCRETE	375	381.00	0.25%	62.06	91.46	0.80	**91.46**	**0%**	103.49	102.035	101.654	**1.458**	103.450		101.880	101.499	**1.570**
Street No. 17	527	526		0.477			0.48	0.48	**11.29**	1.29	**12.58**	0.86		0.86	72.18	62.22	0.00		0.00	97.84	0.00		**62.22**	CONCRETE	375	381.00	0.25%	62.05	91.46	0.80	**29.24**	**68%**	103.45	101.880	101.499	**1.570**	103.375		101.725	101.344	**1.650**
Street No. 17	526	525		0.440			0.44	0.92	**12.58**	1.11	**13.69**	0.80		1.66	68.14	112.92	0.00		0.00	92.29	0.00		**112.92**	CONCRETE	450	457.20	0.25%	60.33	148.72	0.91	**35.80**	**76%**	103.38	101.725	101.268	**1.650**	103.300		101.574	101.117	**1.726**
Street No. 17	525	**MTD**		0.480			0.48	9.95	**20.16**	0.89	**21.05**	0.87		18.13	51.78	938.67	0.00		0.00	69.91	0.00		**938.67**	CONCRETE	975	990.60	0.20%	72.57	1045.56	1.36	**106.90**	**90%**	103.30	101.574	100.584	**1.726**	103.383		101.429	100.439	**1.953**
To Block 61 SWM Pond (West Entrance)	MTD	OVERFLOW					0.00	17.99	**25.63**	0.28	**25.92**	0.00		18.85	44.44	837.65	0.00		14.87	59.91	891.00		**1728.65**	CONCRETE	1050	1066.80	0.50%	38.51	2014.40	2.25	**285.76**	**86%**	103.38	101.429	100.362	**1.953**	103.120		101.237	100.170	**1.883**
Street No. 17	OVERFLOW	500A					0.00	17.99	**25.92**	0.10	**26.02**	0.00		18.85	44.12	831.63	0.00		14.87	59.47	884.53		**1716.16**	CONCRETE	1050	1066.80	0.50%	13.98	2014.40	2.25	**298.24**	**85%**	103.12	101.237	100.170	**1.883**	101.583		101.167	**100.100**	**0.416**
Street No. 17	OVERFLOW	500							**10.00**	0.28	**10.28**												**0.00**	CONCRETE	600	609.60	0.50%	26.41	452.94	1.55	**452.94**	**0%**	103.00	101.410	**100.800**	**1.590**	103.153		101.278	100.668	**1.875**
SWM Pond (OVERFLOW)	500	POND							**10.28**	0.14	**10.42**												**0.00**	CONCRETE	600	609.60	0.50%	12.95	452.94	1.55	**452.94**	**0%**	103.15	101.278	100.668	**1.875**	101.545		101.213	100.603	**0.332**

Design Parameters (Per OSDG)	
Manning's Coefficient =	0.013
1:2 Year Intensity =	732.951 / (Tc + 6.199)^0.810
1:5 Year Intensity =	998.071 / (Tc + 6.053)^0.814
1:100 Year Intensity =	1735.688 / (Tc + 6.014)^0.820

Legend	
75.43	Proposed

STORM SEWER DESIGN SHEET - EES SYSTEM

BARRHAVEN SOUTH PHASE 6-8

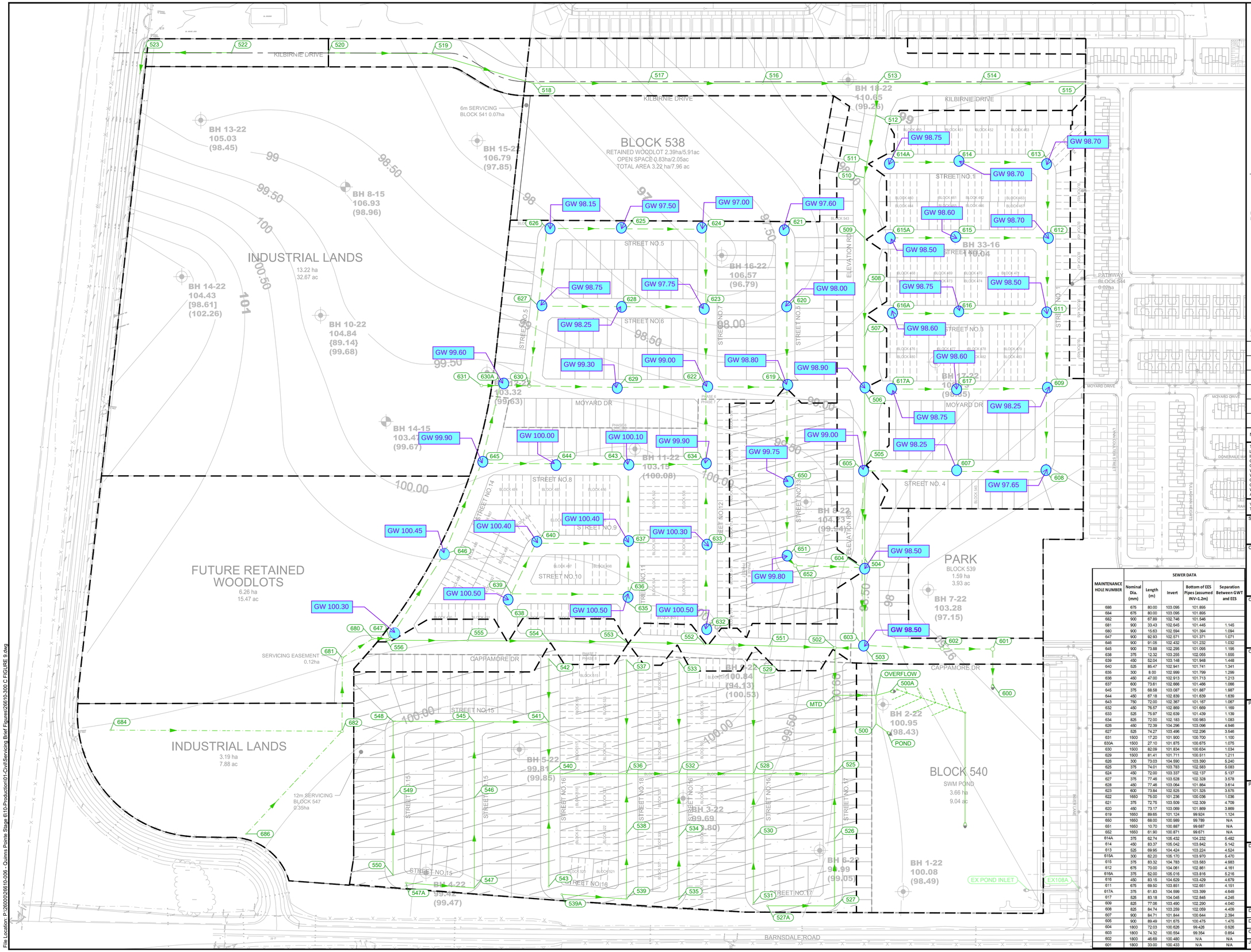
JLR NO.: 26610-006

Prepared By: MM
Reviewed By: KF

LOCATION			C-FACTORS				DRAINAGE AREAS		TIME OF CONCENTRATION			PEAK FLOW ESTIMATION										SEWER DATA									UPSTREAM GEOMETRY						DOWNSTREAM GEOMETRY				
			1:2 Year Storm (Residential/Local Streets)			1:5 Year Storm (ICI)						1:2 Year Storm (Residential/Local Streets)				1:5 Year Storm (ICI)				Plug Flow	Total Peak																		
Street	From MH	To MH	0.20	0.65	0.70	0.80	Total Area (ha)	Cum. Total Area (ha)	Inlet Time (min.)	In Pipe Flow Time (min)	Total Time	2.78AR	Add. 2.78AR	Cum. 2.78AR	1:5 Yr Intensity (mm/hr)	Peak Flow (L/s)	2.78AR	Add. 2.78AR	Cum. 2.78AR	1:5 Yr Intensity (mm/hr)	Peak Flow (L/s)	Flow (L/s)	Flow (L/s)	Type	Nominal Dia. (mm)	Actual Dia. (mm)	Slope	Length (m)	Q Full (L/s)	V Full (m/s)	Residual Capacity (L/s)	% Full	TG From	Obvert	Invert	Bottom of EES Pipes (assumed INV - 1.2m)	Assumed GWT at Location	Separation between GWT and EES	Cover	TG To	Drop	Obvert	Invert	Cover
NORTH WEST QUAD - EES SYSTEM (TO MH 604)																																							
Industrial Lands (South)	686	**682**				1.60	1.60	1.60	15.00	1.45	**16.45**	0.00		0.00	61.77	0.00	3.55		3.55	83.56	296.96		**296.96**	CONCRETE	675	685.80	0.15%	80.00	339.63	0.92	**42.68**	**87%**	105.00	103.781	103.095	101.895			**1.219**	105.000		103.661	102.975	**1.339**
Industrial Lands (South)	684	**682**				1.60	1.60	1.60	15.00	1.45	**16.45**	0.00		0.00	61.77	0.00	3.55		3.55	83.56	296.96		**296.96**	CONCRETE	675	685.80	0.15%	80.00	339.63	0.92	**42.68**	**87%**	105.00	103.781	103.095	101.895			**1.219**	105.000		103.661	102.975	**1.339**
Servicing Easement	**682**	681					0.00	3.20	**16.45**	1.02	**17.47**	0.00		0.00	58.54	0.00	0.00		7.11	79.15	562.57		**562.57**	CONCRETE	900	914.40	0.15%	67.89	731.45	1.11	**168.88**	**77%**	105.00	103.661	102.746	101.546			**1.339**	105.500		103.559	102.645	**1.941**
Servicing Easement	681	680					0.00	3.20	**17.47**	0.50	**17.97**	0.00		0.00	56.50	0.00	0.00		7.11	76.35	542.71		**542.71**	CONCRETE	900	914.40	0.15%	33.43	731.45	1.11	**188.74**	**74%**	105.50	103.559	102.645	101.445	100.300	1.145	**1.941**	105.800		103.509	102.594	**2.291**
Servicing Easement / Cappamore	680	647					0.00	3.20	**17.97**	0.23	**18.20**	0.00		0.00	55.55	0.00	0.00		7.11	75.06	533.49		**533.49**	CONCRETE	900	914.40	0.15%	15.63	731.45	1.11	**197.95**	**73%**	105.80	103.509	102.594	101.394	100.300	1.094	**2.291**	105.600		103.485	102.571	**2.115**
Street No. 14	647	646			0.22		0.22	3.42	**18.20**	1.39	**19.59**	0.43		0.43	55.12	23.49	0.00		7.11	74.47	529.30		**552.79**	CONCRETE	900	914.40	0.15%	92.93	731.45	1.11	**178.65**	**76%**	105.60	103.485	102.571	101.371	100.300	1.071	**2.115**	105.773		103.346	102.432	**2.427**
Street No. 14	646	**645**			0.25		0.25	3.66	**19.59**	1.36	**20.95**	0.48		0.90	52.70	47.58	0.00		7.11	71.16	505.82		**553.40**	CONCRETE	900	914.40	0.15%	91.05	731.45	1.11	**178.04**	**76%**	105.77	103.346	102.432	101.232	100.200	1.032	**2.427**	105.900		103.209	102.295	**2.691**
Street No. 14	**645**	**630A**			0.14		0.14	3.80	**20.95**	1.11	**22.06**	0.27		1.18	50.55	59.41	0.00		7.11	68.23	484.95		**544.36**	CONCRETE	900	914.40	0.15%	73.88	731.45	1.11	**187.09**	**74%**	105.90	103.209	102.295	101.095	99.900	1.195	**2.691**	106.000	-0.300	103.099	102.184	**2.901**
Street No. 9	638	639		0.464			0.46	0.46	**10.00**	0.26	**10.26**	0.84		0.84	76.81	64.40	0.00		0.00	104.19	0.00		**64.40**	CONCRETE	375	381.00	0.25%	12.32	91.46	0.80	**27.06**	**70%**	105.43	103.636	103.255	102.055	100.500	1.555	**1.791**	105.462		103.605	103.224	**1.857**
Street No. 9	639	640		0.190			0.19	0.65	**10.26**	0.96	**11.21**	0.34		1.18	75.84	89.62	0.00		0.00	102.86	0.00		**89.62**	CONCRETE	450	457.20	0.25%	52.04	148.72	0.91	**59.10**	**60%**	105.50	103.605	103.148	101.948	100.500	1.448	**1.895**	105.462		103.475	103.018	**1.988**
Street No. 9	640	**637**			0.350		0.35	1.00	**11.21**	1.59	**12.80**	0.68		1.86	72.44	134.95	0.00		0.00	98.19	0.00		**134.95**	CONCRETE	525	533.40	0.20%	85.47	200.65	0.90	**65.70**	**67%**	105.46	103.475	102.941	101.741	100.400	1.341	**1.988**	104.953		103.304	102.771	**1.649**
Street No. 10	639	**636**			0.400		0.40	0.40	**10.00**	1.90	**11.90**	0.78		0.78	76.81	59.79	0.00		0.00	104.19	0.00		**59.79**	CONCRETE	375	381.00	0.35%	108.08	108.21	0.95	**48.43**	**55%**	105.50	103.682	103.301	102.101	100.500	1.601	**1.818**	104.953		103.304	102.923	**1.649**
Street No. 11	635	**636**		0.090			0.09	0.09	**10.00**	0.16	**10.16**	0.16		0.16	76.81	12.49	0.00		0.00	104.19	0.00		**12.49**	CONCRETE	300	304.80	0.35%	8.00	59.68	0.82	**47.19**	**21%**	104.95	103.304	102.999	101.799	100.500	1.299	**1.649**	105.355		103.276	102.971	**2.079**
Street No. 11	**636**	**637**		0.150			0.15	0.64	**11.90**	0.97	**12.86**	0.27		1.21	70.21	85.10	0.00		0.00	95.13	0.00		**85.10**	CONCRETE	450	457.20	0.20%	47.00	133.02	0.81	**47.91**	**64%**	105.01	103.370	102.913	101.713	100.500	1.213	**1.637**	105.355		103.276	102.819	**2.079**
Street No. 11	**637**	**643**		0.230			0.23	1.87	**12.86**	1.25	**14.11**	0.42		3.49	67.31	234.97	0.00		0.00	91.16	0.00		**234.97**	CONCRETE	600	609.60	0.20%	73.61	286.47	0.98	**51.50**	**82%**	105.35	103.276	102.666	101.466	100.400	1.066	**2.079**	105.514		103.129	102.519	**2.386**
Street No. 8	645	644		0.400			0.40	0.40	**10.00**	1.42	**11.42**	0.72		0.72	76.81	55.51	0.00		0.00	104.19	0.00		**55.51**	CONCRETE	375	381.00	0.25%	68.58	91.46	0.80	**35.94**	**61%**	105.90	103.468	103.087	101.887	99.900	1.987	**2.432**	105.706		103.297	102.916	**2.409**
Street No. 8	644	**643**		0.465			0.47	0.87	**11.42**	1.24	**12.66**	0.84		1.56	71.74	112.13	0.00		0.00	97.22	0.00		**112.13**	CONCRETE	450	457.20	0.25%	67.18	148.72	0.91	**36.59**	**75%**	105.71	103.297	102.839	101.639	100.000	1.639	**2.409**	105.514		103.129	102.672	**2.386**
Street No. 11	**643**	**634**		0.400			0.40	3.14	**14.11**	1.22	**15.33**	0.72		5.78	63.94	369.34	0.00		0.00	86.53	0.00		**369.34**	CONCRETE	750	762.00	0.15%	72.00	449.81	0.99	**80.47**	**82%**	105.51	103.129	102.367	101.167	100.100	1.067	**2.386**	105.702		103.021	102.259	**2.681**
Street No. 12	632	633		0.544			0.54	0.54	**10.00**	1.58	**11.58**	0.98		0.98	76.81	75.50	0.00		0.00	104.19	0.00		**75.50**	CONCRETE	450	457.20	0.20%	76.57	133.02	0.81	**57.52**	**57%**	104.76	103.326	102.869	101.669	100.500	1.169	**1.429**	105.702		103.173	102.715	**2.530**
Street No. 12	633	**634**		0.474			0.47	1.02	**11.58**	1.41	**12.99**	0.86		1.84	71.24	131.05	0.00		0.00	96.55	0.00		**131.05**	CONCRETE	525	533.40	0.20%	75.97	200.65	0.90	**69.59**	**65%**	105.37	103.173	102.639	101.439	100.300	1.139	**2.200**	105.702		103.021	102.487	**2.681**
Street No. 12	**634**	**622**					0.00	4.16	**15.33**	1.14	**16.47**	0.00		7.62	61.00	464.55	0.00		0.00	82.50	0.00		**464.55**	CONCRETE	825	838.20	0.15%	72.00	579.98	1.05	**115.43**	**80%**	105.70	103.021	102.183	100.983	99.900	1.083	**2.681**	106.019		102.913	102.075	**3.106**
Street No. 5	626	627	3.29	0.363			3.66	3.66	**10.00**	0.67	**10.67**	2.49		2.49	76.81	191.05	0.00		0.00	104.19	0.00		**191.05**	CONCRETE	450	457.20	1.00%	72.39	297.43	1.81	**106.39**	**64%**	107.20	104.753	104.296	103.096	98.150	4.946	**2.447**	106.700		104.029	103.572	**2.671**
Street No. 5	627	**630**		0.310			0.31	3.97	**10.67**	0.87	**11.54**	0.56		3.05	74.34	226.55	0.00		0.00	100.80	0.00		**226.55**	CONCRETE	525	533.40	0.50%	74.27	317.25	1.42	**90.69**	**71%**	106.70	104.029	103.496	102.296	98.750	3.546	**2.671**	106.202	0.300	103.658	103.125	**2.544**
Industrial Lands (North) / Moyard Drive	631	**630A**				13.22	13.22	13.22	15.00	0.18	**15.18**	0.00		0.00	61.77	0.00	29.40		29.40	83.56	2456.69		**2456.69**	CONCRETE	1500	1524.00	0.15%	17.20	2856.14	1.57	**399.45**	**86%**	106.00	103.424	101.900	100.700	99.600	1.100	**2.576**	106.000		103.399	101.875	**2.601**
Industrial Lands (North) / Moyard Drive	**630A**	**630**					0.00	17.02	**22.06**	0.29	**22.35**	0.00		1.18	48.94	57.52	0.00		36.51	66.03	2410.87		**2468.39**	CONCRETE	1500	1524.00	0.15%	27.10	2856.14	1.57	**387.75**	**86%**	106.00	103.399	101.875	100.675	99.600	1.075	**2.601**	106.202		103.358	101.834	**2.844**
Moyard Drive	**630**	629		0.730			0.73	21.72	**22.35**	0.87	**23.22**	1.32		5.54	48.54	269.00	0.00		36.51	65.49	2390.91		**2659.91**	CONCRETE	1500	1524.00	0.15%	82.09	2856.14	1.57	**196.22**	**93%**	106.20	103.358	101.834	100.634	99.600	1.034	**2.844**	106.112		103.235	101.711	**2.877**
Moyard Drive	629	**622**		0.550			0.55	22.27	**23.22**	0.87	**24.09**	0.99		6.54	47.37	309.59	0.00		36.51	63.89	2332.65		**2642.24**	CONCRETE	1500	1524.00	0.15%	81.41	2856.14	1.57	**213.89**	**93%**	106.11	103.235	101.711	100.511	99.300	1.211	**2.877**	106.019	0.200	103.113	101.589	**2.906**
Street No. 5	626	625		0.360			0.36	0.36	**10.00**	0.88	**10.88**	0.65		0.65	76.81	49.96	0.00		0.00	104.19	0.00		**49.96**	CONCRETE	300	304.80	1.00%	73.03	100.88	1.38	**50.92**	**50%**	107.20	104.895	104.590	103.390	98.150	5.240	**2.305**	107.121		104.164	103.859	**2.956**
Street No. 5	625	624		0.360			0.36	0.72	**10.88**	1.09	**11.97**	0.65		1.30	73.58	95.73	0.00		0.00	99.76	0.00		**95.73**	CONCRETE	375	381.00	0.50%	74.01	129.34	1.13	**33.60**	**74%**	107.12	104.164	103.783	102.583	97.500	5.083	**2.956**	107.019		103.794	103.413	**3.225**
Street No. 7	624	**623**		0.430			0.43	1.15	**11.97**	0.94	**12.90**	0.78		2.08	69.99	145.45	0.00		0.00	94.83	0.00		**145.45**	CONCRETE	450	457.20	0.50%	72.00	210.32	1.28	**64.87**	**69%**	107.02	103.794	103.337	102.137	97.000	5.137	**3.225**	106.512	0.300	103.434	102.977	**3.078**
Street No. 6	627	628		0.470			0.47	0.47	**10.00**	1.14	**11.14**	0.85		0.85	76.81	65.23	0.00		0.00	104.19	0.00		**65.23**	CONCRETE	375	381.00	0.50%	77.46	129.34	1.13	**64.11**	**50%**	106.70	103.909	103.528	102.328	98.750	3.578	**2.791**	106.612		103.522	103.141	**3.091**
Street No. 6	628	**623**		0.490			0.49	0.96	**11.14**	1.01	**12.15**	0.89		1.73	72.70	126.11	0.00		0.00	98.54	0.00		**126.11**	CONCRETE	450	457.20	0.50%	77.46	210.32	1.28	**84.21**	**60%**	106.61	103.522	103.064	101.864	98.250	3.614	**3.091**	106.512		103.134	102.677	**3.378**
Street No. 7	**623**	**622**		0.370			0.37	2.48	**12.90**	1.02	**13.93**	0.67		4.48	67.20	301.15	0.00		0.00	91.00	0.00		**301.15**	CONCRETE	600	609.60	0.30%	73.84	350.85	1.20	**49.70**	**86%**	106.51	103.134	102.525	101.325	97.750	3.575	**3.378**	106.019		102.913	102.303	**3.106**
Moyard Drive	**622**	**619**		0.170			0.17	29.07	**24.09**	0.75	**24.84**	0.31		18.94	46.27	876.30	0.00		36.51	62.39	2277.91		**3154.22**	CONCRETE	1650	1676.40	0.15%	75.00	3682.64	1.67	**528.42**	**86%**	106.02	102.913	101.236	100.036	99.000	1.036	**3.106**	106.523		102.800	101.124	**3.723**
Street No. 5	621	620		0.780			0.78	0.78	**10.00**	1.07	**11.07**	1.41		1.41	76.81	108.25	0.00		0.00	104.19	0.00		**108.25**	CONCRETE	375	381.00	0.50%	72.75	129.34	1.13	**21.08**	**84%**	106.97	103.890	103.509	102.309	97.600	4.709	**3.084**	106.725		103.526	103.145	**3.199**
Street No. 5	620	**619**		0.590			0.59	1.37	**11.07**	0.95	**12.02**	1.07		2.48	72.93	180.55	0.00		0.00	98.87	0.00		**180.55**	CONCRETE	450	457.20	0.50%	73.17	210.32	1.28	**29.77**	**86%**	106.72	103.526	103.069	101.869	98.000	3.869	**3.199**	106.523	0.360	103.160	102.703	**3.363**
Street No. 13	**619**	650		0.800			0.80	31.24	**24.84**	0.90	**25.73**	1.45		22.86	45.36	1036.99	0.00		36.51	61.16	2232.84		**3269.83**	CONCRETE	1650	1676.40	0.15%	89.65	3682.64	1.67	**412.81**	**89%**	106.52	102.800	101.124	99.924	98.800	1.124	**3.723**	106.162		102.666	100.989	**3.496**
Street No. 13	650	651		0.680			0.68	31.92	**25.73**	0.68	**26.41**	1.23		24.09	44.33	1067.84	0.00		36.51	59.75	2181.49		**3249.33**	CONCRETE	1650	1676.40	0.15%	68.00	3682.64	1.67	**433.31**	**88%**	106.16	102.666	100.989	99.789	99.750	N/A	**3.496**	105.878		102.564	100.887	**3.315**
Street No. 13	651	652		0.31			0.31	32.23	**26.41**	0.11	**26.52**	0.56		24.65	43.58	1074.20	0.00		36.51	58.73	2144.26		**3218.46**	CONCRETE	1650	1676.40	0.15%	10.70	3682.64	1.67	**464.18**	**87%**	105.88	102.564	100.887	99.687	99.800	N/A	**3.315**	105.845		102.548	100.871	**3.297**
Street No. 13	652	**604**		0.33			0.33	**32.56**	**26.52**	0.62	**27.14**	0.60		25.25	43.46	1097.27	0.00		36.51	58.58	2138.53		**3235.80**	CONCRETE	1650	1676.40	0.15%	61.90	3682.64	1.67	**446.84**	**88%**	105.84	102.548	100.871	99.671	99.800	N/A	**3.297**	105.768		102.455	100.778	**3.313**
NORTH EAST QUAD - EES SYSTEM (TO BLOCK 61 SWM POND NORTH ENTRANCE)																																							
Street No. 1	614A	614		0.620			0.62	0.62	**10.00**	0.92	**10.92**	1.12		1.12	76.81	86.05	0.00		0.00	104.19	0.00		**86.05**	CONCRETE	375	381.00	0.50%	62.74	129.34	1.13	**43.29**	**67%**	108.13	105.813	105.432	104.232	98.750	5.482	**2.317**	108.515		105.499	105.118	**3.016**
Street No. 1	614	613		0.796			0.80	1.42	**10.92**	0.95	**11.87**	1.44		2.56	73.44	187.84	0.00		0.00	99.56	0.00		**187.84**	CONCRETE	450	457.20	0.65%	83.37	239.80	1.46	**51.96**	**78%**	108.52	105.499	105.042	103.842	98.700	5.142	**3.016**	109.001		104.957	104.500	**4.044**
Street No. 1	613	**612**		0.248			0.25	1.66	**11.87**	1.06	**12.93**	0.45		3.01	70.29	211.29	0.00		0.00	95.24	0.00		**211.29**	CONCRETE	525	533.40	0.30%	69.95	245.74	1.10	**34.45**	**86%**	109.00	104.957	104.424	103.224	98.700	4.524	**4.044**	108.800		104.747	104.214	**4.053**
Street No. 2	615A	615		0.340			0.34	0.34	**10.00**	1.06	**11.06**	0.61		0.61	76.81	47.19	0.00		0.00	104.19	0.00		**47.19**	CONCRETE	300	304.80	0.50%	62.20	71.33	0.98	**24.15**	**66%**	107.90	105.475	105.170	103.970	98.500	5.470	**2.421**	108.288		105.164	104.859	**3.124**
Street No. 2	615	**612**		0.350			0.35	0.69	**11.06**	1.22	**12.28**	0.63		1.25	72.96	90.97	0.00		0.00	98.91	0.00		**90.97**	CONCRETE	375	381.00	0.50%	83.32	129.34	1.13	**38.37**	**70%**	108.29	105.164	104.783	103.583	98.600	4.983	**3.124**	108.800		104.747	104.366	**4.053**
Street No. 1	**612**	**611**		0.230			0.23	2.58	**12.93**	0.90	**13.83**	0.42		4.67	67.12	313.34	0.00		0.00	90.89	0.00		**313.34**	CONCRETE	675	685.80	0.30%	70.00	480.32	1.30	**166.98**	**65%**	108.80	104.747	104.061	102.861	98.700	4.161	**4.053**	108.600		104.537	103.851	**4.063**
Street No. 3	616A	616		0.480			0.48	0.48	**10.00**	0.91	**10.91**	0.87		0.87	76.81	66.62	0.00		0.00	104.19	0.00		**66.62**	CONCRETE	375	381.00	0.50%	62.00	129.34	1.13	**62.72**	**52%**	107.65	105.397	105.016	103.816	98.600	5.216	**2.255**	108.063		105.087	104.706	**2.976**
Street No. 3	616	**611**		0.500			0.50	0.98	**10.91**	1.40	**12.31**	0.90		1.77	73.48	130.12	0.00		0.00	99.62	0.00		**130.12**	CONCRETE	450	457.20	0.30%	83.15	162.91	0.99	**32.80**	**80%**	108.06	105.087	104.629	103.429	98.750	4.679	**2.976**	108.600	0.300	104.837	104.380	**3.763**
Street No. 1	**611**	**609**		0.230			0.23	3.79	**13.83**	0.89	**14.72**	0.42		6.85	64.67	443.33	0.00		0.00	87.54	0.00		**443.33**	CONCRETE	675	685.80	0.30%	69.50	480.32	1.30	**36.99**	**92%**	108.60	104.537	103.851	102.651	98.500	4.151	**4.063**	109.023		104.329	103.643	**4.694**
Moyard Drive	617A	617		0.640			0.64	0.64	**10.00**	0.80	**10.80**	1.16		1.16	76.81	88.82	0.00		0.00	104.19	0.00		**88.82**	CONCRETE	375	381.00	0.65%	61.83	147.47	1.29	**58.64**	**60%**	107.28	104.980	104.599	103.399	98.750	4.649	**2.296**	108.023		104.578	104.197	**3.445**
Moyard Drive	617	**609**		0.650			0.65	1.29	**10.80**	1.26	**12.06**	1.17		2.33	73.88	172.21	0.00		0.00	100.17	0.00		**172.21**	CONCRETE	525	533.40	0.30%	83.18	245.74	1.10	**73.53**	**70%**	108.02	104.578	104.045	102.845	98.600	4.245	**3.445**	109.023		104.329	103.795	**4.694**
Street No. 4	**609**	608		0.420			0.42	5.50	**14.72**	0.86	**15.59**	0.76		9.94	62.43	620.89	0.00		0.00	84.47	0.00		**620.89**	CONCRETE	825	838.20	0.30%	77.06	820.21	1.49	**199.33**	**76%**	109.02	104.329	103.490	102.290	98.250	4.040	**4.694**	107.900		104.097	103.259	**3.803**
Street No. 4	608	607		0.550			0.55	6.05	**15.59**	0.82	**16.41**	0.99		10.94	60.42	660.91	0.00		0.00	81.71	0.00		**660.91**	CONCRETE	825	838.20	0.40%	84.74	947.10	1.72	**286.19**	**70%**	107.90	104.097	103.259	102.059	97.650	4.409	**3.803**	107.311	1.000	103.759	102.920	**3.552**
Street No. 4	607	**605**		0.460			0.46	6.51	**16.41**	1.10	**17.51**	0.83		11.77	58.63	690.10	0.00		0.00	79.27	0.00		**690.10**	CONCRETE	900	914.40	0.20%	84.71	844.60	1.29	**154.50**	**82%**	107.31	102.759	101.844	100.644	98.250	2.394	**4.552**	106.722		102.589	101.675	**4.133**
Elevation Road	**605**	**604**					0.00	6.51	**17.51**	1.34	**18.84**	0.00		11.77	56.42	664.10	0.00		0.00	76.25	0.00		**664.10**	CONCRETE	900	914.40	0.15%	89.49	731.45	1.11	**67.35**	**91%**	106.72	102.589	101.675	100.475	99.000	1.475	**4.133**	105.768		102.455	101.540	**3.313**
Elevation Road	**604**	**603**					0.00	39.08	**27.14**	0.83	**27.97**	0.00		37.02	42.81	1584.59	0.00		36.51	57.69	2106.05		**3690.64**	CONCRETE	1800	1828.80	0.10%	72.03	3792.13	1.44	**101.49**	**97%**	105.77	102.455	100.626	99.426	98.500	0.926	**3.313**	104.543		102.383	100.554	**2.160**
Cappamore Drive	**603**	602					0.00	39.08	**27.97**	0.86	**28.83**	0.00		37.02	41.96	1553.28	0.00		36.51	56.53	2064.04		**3617.32**	CONCRETE	1800	1828.80	0.10%	74.32	3792.13	1.44	**174.81**	**95%**	104.54	102.383	100.554	99.354	98.500	0.854	**2.160**	104.837		102.308	100.480	**2.329**
Cappamore Drive	602	601	1.60				1.60	40.68	**28.83**	0.54	**29.37**	2.89		39.90	41.13	1641.14	0.00		36.51	55.40	2022.62		**3663.76**	CONCRETE	1800	1828.80	0.10%	46.69	3792.13	1.44	**128.37**	**97%**	104.64	102.308	100.480	N/A	N/A	N/A	**2.329**	104.878		102.262	100.433	**2.617**
To Block 61 SWM Pond (North Entrance)	601	600					0.00	40.68	**29.37**	0.38	**29.75**	0.00		39.90	40.62	1620.97	0.00		36.51	54.71	1997.53		**3618.50**	CONCRETE	1800	1828.80	0.10%	33.00	3792.13	1.44	**173.63**	**95%**	104.88	102.262	100.433	N/A	N/A	N/A	**2.617**	102.300		102.229	**100.400**	**0.071**

Design Parameters (Per OSDG)	
Manning's Coefficient =	0.013
1:2 Year Intensity =	732.951 / (Tc + 6.199)^0.810
1:5 Year Intensity =	998.071 / (Tc + 6.053)^0.814
1:100 Year Intensity =	1735.688 / (Tc + 6.014)^0.820

Legend	
75.43	Proposed



LEGEND:

- LIMIT OF STUDY AREA
- CONVENTIONAL STORM SEWER
- EES STORM SEWER
- INDUSTRIAL LANDS STORM SEWER
- EXISTING STORM SEWER
- UNCONTROLLED AREAS

OPPORTUNITIES:

- LOCAL ROADS WITH EES
- RETAINED WOODLOTS WITH EXISTING CONDITIONS INFILTRATION WITHOUT EES
- INDUSTRIAL LANDS: ROOFTOP INFILTRATION WITHOUT EES PARK AND POND WITHOUT EES INFILTRATION TO BE DETERMINED BY PARKS GROUP

CONSTRAINTS:

- LOCAL ROADS WITHOUT EES
- COLLECTOR ROADS WITHOUT EES

BH 8-15 106.93 (98.96) — BOREHOLE WITH MONITORING WELL FROM PATERSON REPORT PG6197-2 REVISION 1 DATED JUNE 27, 2025

DUAL SYSTEMS MAY BE PRESENT ON ELEVATION ROAD FROM MOYARD TO CAPPAMORE. TO BE CONFIRMED AT DETAILED DESIGN.

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

No.	ISSUE / REVISION	DD/MM/YY

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PROFESSIONAL STAMP

PROJECT NORTH

PROJECT:
QUINN'S POINTE PHASES 6-8
3882 & 4000 BARNSDALE ROAD

DRAWING:
GROUNDWATER ELEVATIONS

DESIGN:	KF
DRAWN:	KC
CHECKED:	KF
JLR #:	26610-006

DRAWING #: FIGURE 9A

PLOT DATE: June 25, 2026 4:18:36 PM

File Location: P:\26000\26610-006 - Quinns Pointe Stage 6\10-Production\01-Civil\Servicing Brief Figures\26610-300 C FIGURE 9.dwg

SEWER DATA

MAINTENANCE HOLE NUMBER	Nominal Dia. (mm)	Length (m)	Invert	Bottom of EES Pipes (assumed INV+1.2m)	Separation Between GWT and EES
686	675	80.00	103.095	101.895	
684	675	80.00	103.095	101.895	
682	900	67.89	102.746	101.546	
681	900	33.43	102.645	101.445	1.145
680	900	15.63	102.594	101.394	1.094
647	900	92.63	102.571	101.371	1.071
646	900	91.05	102.432	101.232	1.032
645	900	73.88	102.295	101.095	1.195
638	375	12.32	103.255	102.055	1.555
639	450	52.04	103.148	101.948	1.448
640	525	85.47	102.941	101.741	1.341
635	300	8.00	102.999	101.799	1.299
636	450	47.00	102.913	101.713	1.213
637	600	73.61	102.666	101.466	1.066
645	375	68.58	103.087	101.887	1.687
644	450	67.18	102.839	101.639	1.639
643	750	72.00	102.367	101.167	1.067
632	450	76.57	102.869	101.669	1.169
633	525	75.97	102.639	101.439	1.139
634	825	72.00	102.183	100.983	1.083
628	450	72.39	104.296	103.096	4.946
627	525	74.27	103.496	102.296	3.546
631	1500	17.20	101.900	100.700	1.100
630A	1500	27.10	101.875	100.675	1.075
630	1500	82.09	101.834	100.634	1.034
629	1500	81.41	101.711	100.511	1.211
626	300	73.03	104.590	103.390	5.240
625	375	74.01	103.783	102.583	5.083
624	450	72.00	103.337	102.137	5.137
627	375	77.46	103.528	102.328	3.578
628	450	77.46	103.064	101.864	3.614
623	600	73.64	102.525	101.325	3.575
622	1650	75.00	101.236	100.036	1.036
621	375	72.75	103.509	102.309	4.709
620	450	73.17	103.099	101.899	3.899
619	1650	89.65	101.124	99.924	1.124
650	1650	68.00	100.989	99.789	N/A
651	1650	10.70	100.887	99.687	N/A
652	1650	61.90	100.871	99.671	N/A
614A	375	62.74	105.432	104.232	5.482
614	450	83.37	105.042	103.842	5.142
613	525	69.95	104.424	103.224	4.524
615A	300	62.20	105.170	103.970	5.470
615	375	83.32	104.783	103.583	4.983
612	675	70.00	104.061	102.861	4.161
616A	375	62.00	105.016	103.816	5.216
616	450	83.15	104.629	103.429	4.679
611	675	69.50	103.851	102.651	4.151
617A	375	61.83	104.599	103.399	4.649
617	525	83.18	104.045	102.845	4.245
609	825	77.06	103.490	102.290	4.040
608	825	84.74	103.259	102.059	4.409
607	900	84.71	101.844	100.644	2.394
605	900	89.49	101.675	100.475	1.475
604	1800	72.03	100.626	99.426	0.626
603	1800	74.32	100.554	99.354	0.854
602	1800	46.69	100.480	N/A	N/A
601	1800	33.00	100.433	N/A	N/A

Appendix E

PCSWMM Model Inputs and
Results and Schematics

Legend

- Surface Junction
- Roadside Ditch
- Subcatchments

N

150 m

PROJECT:

QUINN'S POINTE PHASES 6-8
Ottawa, ON

DRAWING:

Pre-Development Drainage Plan

J.L.Richards
ENGINEERS · ARCHITECTS · PLANNERS

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DESIGN:	ML	JLR NO.:
DRAWN:	ML	DRAWING NO.:
CHECKED:	GF	

Legend

- Surface Junction
- Trunk Sewer Manhole
- On-Site Storage
- Traditional STM Manhole
- Dry Pond
- StormTrunk Sewers
- Storm_Sewer
- Street ROW
- Roadside Ditch
- Overland Flow Route
- Minor System Inlet
- Subcatchments

N

300 m

PROJECT:

QUINN'S POINTE PHASES 6-8
Ottawa, ON

DRAWING:

Post-Development Model Schematic

J.L.Richards
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DESIGN:	ML	JLR NO.:
DRAWN:	ML	DRAWING NO.:
CHECKED:	GF	

Legend

- Street Junction Node/High Point
- Outfalls
- Surface Storage Node

Street ROW

- Street ROW
- Roadside Ditch

- Weirs
- Subcatchments

N

250 m

PROJECT:

QUINN'S POINTE PHASES 6-8
Ottawa, ON

DRAWING:

Major System Model Schematic

J.L.Richards
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DESIGN:	ML	JLR NO.:	26610-006
DRAWN:	ML	DRAWING NO.:	
CHECKED:	GF		

Legend

- Outfalls
- Trunk Sewer Manhole
  - Surface Storage/Sags
  - Traditional STM Manhole
  - Dry Pond
  - StormTrunk Sewers
  - Orifices
  - Minor System Inlet
- Subcatchments

N

300 m

PROJECT:

QUINN'S POINTE PHASES 6-8
Ottawa, ON

DRAWING:

Minor System Model Schematic

J.L.Richards ENGINEERS · ARCHITECTS · PLANNERS

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DESIGN:	ML	JLR NO.:	26610-006
DRAWN:	ML	DRAWING NO.:	Figure
CHECKED:	GF		

MAJOR SYSTEM PONDING DEPTHS

Major System Node	July 1, 1979 Ponding Depth (mm)	August 8, 1996 Ponding Depth (mm)	August 4, 1988 Ponding Depth (mm)	1:100-year + 20% 3-hr Chicago Ponding Depth (mm)	1:100-year + 20% 24-hr SCS Type II Ponding Depth (mm)
S_504-503	110	80	110	170	150
S_525-MTD	150	110	150	230	190
S_528-525	140	100	130	220	190
S_532-528	130	100	130	180	160
S_536-532	200	160	210	280	250
S_540-536	180	150	180	240	220
S_545-541	170	120	170	250	230
S_607-605	190	120	180	280	260
S_620-619	190	130	180	270	250
S_622-619	130	80	110	220	200
S_623-622	200	150	200	290	260
S_627-630	120	80	110	170	150
S_633-634	130	100	120	190	180
S_637-643	160	100	140	240	220
S_652-604	150	100	140	220	200

Post-Development 1:2 year 24-hour SCS Event

```
[TITLE]
;;Project Title/Notes

[OPTIONS]
;;Option             Value
FLOW_UNITS           CMS
INFILTRATION         HORTON
FLOW_ROUTING         DYNWAVE
LINK_OFFSETS         ELEVATION
MIN_SLOPE            0
ALLOW_PONDING        NO
SKIP_STEADY_STATE    NO

START_DATE           07/23/2009
START_TIME           00:00:00
REPORT_START_DATE    07/23/2009
REPORT_START_TIME    00:00:00
END_DATE             07/25/2009
END_TIME             00:00:00
SWEEP_START          01/01
SWEEP_END            12/31
DRY_DAYS             0
REPORT_STEP          00:01:00
WET_STEP             00:01:00
DRY_STEP             00:01:00
ROUTING_STEP         1
RULE_STEP            00:00:00

INERTIAL_DAMPING     PARTIAL
NORMAL_FLOW_LIMITED  BOTH
FORCE_MAIN_EQUATION  H-W
VARIABLE_STEP        0.75
LENGTHENING_STEP     0
MIN_SURFAREA         0
MAX_TRIALS           8
HEAD_TOLERANCE       0.0015
SYS_FLOW_TOL         5
LAT_FLOW_TOL         5
MINIMUM_STEP         0.5
THREADS              18

[EVAPORATION]
;;Data Source    Parameters
;;--------------- ----------
CONSTANT         0.0
DRY_ONLY         NO

[RAINGAGES]
;;Name           Format    Interval SCF      Source
;;-------------- --------- -------- -------- ----------
24SCS100         INTENSITY 0:15     1.0      TIMESERIES 24SCS100
6SCS050          INTENSITY 0:15     1.0      TIMESERIES 6SCS050
Rainfall         INTENSITY 0:15     1.0      TIMESERIES SCS_24h_2

[SUBCATCHMENTS]
;;Name           Rain Gage        Outlet           Area     %Imperv  Width    %Slope   CurbLen  SnowPack
;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------  ----------------
;DONE
A15_1            Rainfall         EXD_8            1.3142   18.978   13.1     0.5      0
;DONE
A15_2            Rainfall         EXD_12           2.150306 18.978   13.099   0.5      0
;DONE
A18              Rainfall         EXD_25           0.5932   39.122   338.21   0.5      0
;DONE
A19              Rainfall         EXD_20           1.1065   22.322   332.78   0.5      0
A20              Rainfall         EXD_15           4.8334   8.369    279.76   1.5      0
NULL3            Rainfall         EXD_27           0.5651   83.329   312.75   1.45     0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (15.05)
S1               Rainfall         S_607-605        6.5148   64.286   1465.845 2        0
S1_1             Rainfall         J19              0.093713 71.429   154.58   2        0
S1_2             Rainfall         J21              0.1391   71.429   147.716  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (12.00)
S10_1            Rainfall         S_620-619        1.8437   64.286   414.837  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (13.80)
S10_2            Rainfall         S_623-622        2.1305   64.286   479.367  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (10.68)
S10_4            Rainfall         S_627-630        0.7363   64.286   165.669  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (15+0.19+0.29+0.87)
S10_5            Rainfall         S_622-619        1.2625   64.286   284.065  2        0
S11              Rainfall         Woodlot_North    3.294    0        281      2        0
S12              Rainfall         J2               0.4354   71.429   346.444  2        0
S14_1            Rainfall         J27              0.6043   71.429   371.552  2        0
S14_3            Rainfall         J57              1.0613   71.429   381.294  2        0
S14_4            Rainfall         J47              0.3074   71.429   138.84   2        0
S14_5            Rainfall         J28              1.6867   71.429   653.02   2        0
S14_6            Rainfall         J58              0.2779   71.429   141.02   2        0
S14_7            Rainfall         J60              1.1948   71.429   549.94   2        0
S14_8            Rainfall         J50              0.4266   71.429   191.4    2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (12.36)
S15              Rainfall         S_525-MTD        1.6367   64.286   368.261  2        0
S16_1            Rainfall         EXD_10           0.464128 100      16.6     0.5      0
S16_2            Rainfall         EXD_8            0.988872 100      16.601   0.5      0
S17              Rainfall         EXD_7            6.264    3.33     202      0.5      0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (15.42)
S18_2            Rainfall         S_545-541        3.3513   67.143   754.05   2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (12.47)
S18_3            Rainfall         S_528-525        1.6567   67.143   372.761  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (12.15)
S18_4            Rainfall         S_540-536        0.8758   67.143   197.057  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (12.29)
S18_5            Rainfall         S_536-532        1.8312   67.143   412.024  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (12.39)
S18_6            Rainfall         S_532-528        0.8398   67.143   188.957  2        0
S19              Rainfall         J35              0.9693   71.429   462.04   2        0
S2               Rainfall         J20              0.372187 71.429   154.58   2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (26.25)
S2_1             Rainfall         637_(C-STRM)     3.142956 67.143   707.172  2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (26.25)
S2_2             Rainfall         633_(C-STRM)     1.014044 67.143   228.162  2        0
S20_1            Rainfall         J42              0.4513   71.429   284.74   2        0
S20_2            Rainfall         J38              0.2367   71.429   137.8    2        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (13.41)
S3               Rainfall         S_652-604        2.1199   64.286   476.982  2        0
S32_1            Rainfall         J43              0.427008 71.429   369.16   2        0
S32_2            Rainfall         S_504-503        0.159092 64.286   35.796   2        0
S36              Rainfall         EXD_10           1.8184   100      21       0.5      0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (15.19)
S4               Rainfall         Industrial_NORTH 13.2132  85.714   348.8    1        0
;Imperviousness Based on DS Breakdown, Tc or inlet time based on downstream Tc taken from DS (18.32)
S5               Rainfall         Industrial_South 3.1959   85.714   206.5    1        0
S6               Rainfall         OF2              0.3419   57.143   261.05   2        0
S7               Rainfall         POND_(C-STRM)    3.9852   85.714   402.8    0.5      0
S8               Rainfall         PARK             1.5981   35.714   121.93   2        0

[SUBAREAS]
;;Subcatchment   N-Imperv   N-Perv     S-Imperv   S-Perv     PctZero    RouteTo    PctRouted
;;-------------- ---------- ---------- ---------- ---------- ---------- ---------- ----------
A15_1            0.013      0.25       1.57       4.67       0          OUTLET
A15_2            0.013      0.25       1.57       4.67       0          OUTLET
A18              0.013      0.25       1.57       4.67       0          OUTLET
A19              0.013      0.25       1.57       4.67       0          OUTLET
A20              0.013      0.25       1.57       4.67       0          OUTLET
NULL3            0.013      0.25       1.57       4.67       0          OUTLET
S1               0.013      0.25       1.57       4.67       0          PERVIOUS   70
S1_1             0.013      0.25       1.57       4.67       0          PERVIOUS   20
S1_2             0.013      0.25       1.57       4.67       0          PERVIOUS   20
S10_1            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S10_2            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S10_4            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S10_5            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S11              0.013      0.25       1.57       4.67       0          PERVIOUS   100
S12              0.013      0.25       1.57       4.67       0          PERVIOUS   20
S14_1            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S14_3            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S14_4            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S14_5            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S14_6            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S14_7            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S14_8            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S15              0.013      0.25       1.57       4.67       0          PERVIOUS   70
S16_1            0.013      0.25       1.57       4.67       0          OUTLET
S16_2            0.013      0.25       1.57       4.67       0          OUTLET
S17              0.013      0.25       1.57       4.67       0          PERVIOUS   100
S18_2            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S18_3            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S18_4            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S18_5            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S18_6            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S19              0.013      0.25       1.57       4.67       0          PERVIOUS   20
S2               0.013      0.25       1.57       4.67       0          PERVIOUS   20
S2_1             0.013      0.25       1.57       4.67       0          PERVIOUS   70
S2_2             0.013      0.25       1.57       4.67       0          PERVIOUS   70
S20_1            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S20_2            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S3               0.013      0.25       1.57       4.67       0          PERVIOUS   70
S32_1            0.013      0.25       1.57       4.67       0          PERVIOUS   20
S32_2            0.013      0.25       1.57       4.67       0          PERVIOUS   70
S36              0.013      0.25       1.57       4.67       0          OUTLET
S4               0.013      0.25       1.57       4.67       0          OUTLET
S5               0.013      0.25       1.57       4.67       0          OUTLET
S6               0.013      0.25       1.57       4.67       0          PERVIOUS   20
S7               0.013      0.25       1.57       4.67       0          OUTLET
S8               0.013      0.25       1.57       4.67       0          PERVIOUS   100

[INFILTRATION]
;;Subcatchment   Param1     Param2     Param3     Param4     Param5
;;-------------- ---------- ---------- ---------- ---------- ----------
A15_1            61         0.5        7          0          0          CURVE_NUMBER
A15_2            61         0.5        7          0          0          CURVE_NUMBER
A18              76.2       13.2       4.14       7          0
A19              76.2       13.2       4.14       7          0
A20              49         0.5        7          0          0          CURVE_NUMBER
NULL3            76.2       13.2       4.14       7          0
S1               76.2       13.2       4.14       7          0
S1_1             76.2       13.2       4.14       7          0
S1_2             76.2       13.2       4.14       7          0
S10_1            76.2       13.2       4.14       7          0
S10_2            76.2       13.2       4.14       7          0
S10_4            76.2       13.2       4.14       7          0
S10_5            76.2       13.2       4.14       7          0
S11              76.2       13.2       4.14       7          0
S12              76.2       13.2       4.14       7          0
S14_1            76.2       13.2       4.14       7          0
S14_3            76.2       13.2       4.14       7          0
S14_4            76.2       13.2       4.14       7          0
S14_5            76.2       13.2       4.14       7          0
S14_6            76.2       13.2       4.14       7          0
S14_7            76.2       13.2       4.14       7          0
S14_8            76.2       13.2       4.14       7          0
S15              76.2       13.2       4.14       7          0
S16_1            76.2       13.2       4.14       7          0
S16_2            76.2       13.2       4.14       7          0
S17              76.2       13.2       4.14       7          0
S18_2            76.2       13.2       4.14       7          0
S18_3            76.2       13.2       4.14       7          0
S18_4            76.2       13.2       4.14       7          0
S18_5            76.2       13.2       4.14       7          0
S18_6            76.2       13.2       4.14       7          0
S19              76.2       13.2       4.14       7          0
S2               76.2       13.2       4.14       7          0
S2_1             76.2       13.2       4.14       7          0
S2_2             76.2       13.2       4.14       7          0
S20_1            76.2       13.2       4.14       7          0
S20_2            76.2       13.2       4.14       7          0
S3               76.2       13.2       4.14       7          0
S32_1            76.2       13.2       4.14       7          0
S32_2            76.2       13.2       4.14       7          0
S36              76.2       13.2       4.14       7          0
S4               76.2       13.2       4.14       7          0
S5               76.2       13.2       4.14       7          0
S6               76.2       13.2       4.14       7          0
S7               76.2       13.2       4.14       7          0
S8               76.2       13.2       4.14       7          0

[JUNCTIONS]
;;Name           Elevation  MaxDepth   InitDepth  SurDepth   Aponded
;;-------------- ---------- ---------- ---------- ---------- ----------
EXD_1            104.392    1.008      0          0          0
EXD_10           98.653     1.005      0          0          0
EXD_11           98.498     1.005      0          0          0
EXD_12           98.305     1.005      0          0          0
EXD_13           104.324    1.076      0          0          0
EXD_14           102.49     0.405      0          0          0
EXD_15           100.269    0.781      0          0          0
EXD_16           100.201    0.405      0          0          0
EXD_17           99.888     0.288      0          0          0
EXD_18           99.401     0.426      0          0          0
EXD_19           99.193     0.22       0          0          0
EXD_2            103.469    1.931      0          0          0
EXD_20           99.186     0.226      0          0          0
EXD_21           99.181     0.231      0          0          0
EXD_22           99.144     0.266      0          0          0
EXD_23           98.748     0.565      0          0          0
EXD_24           98.668     1.099      0          0          0
EXD_25           98.523     1.099      0          0          0
EXD_26           98.485     1.099      0          0          0
EXD_27           98.165     1.099      0          0          0
EXD_3            103.19     1.41       0          0          0
EXD_4            102.643    1.202      0          0          0
EXD_5            102.496    1.147      0          0          0
EXD_6            102.32     1.08       0          0          0
EXD_7            101.495    1.005      0          0          0
EXD_8            100.485    1.005      0          0          0
EXD_9            100.385    1.005      0          0          0
J1               103.45     0.5        0          0          0
J13              103.3      0.5        0          0          0
J17              104.372    1.028      0          0          0
J19              105.6      0.5        0          0          0
J2               109        0.5        0          0          0
J20              105.8      0.5        0          0          0
J21              105.9      0.5        0          0          0
J22              106        0.5        0          0          0
J23              106.2      0.5        0          0          0
J27              109        0.5        0          0          0
J28              108.8      0.5        0          0          0
J3               103.7      0.5        0          0          0
J31              106        0.5        0          0          0
J35              104.7      0.5        0          0          0
J36              104.928    0.5        0          0          0
J37              104.65     0.5        0          0          0
J38              104.6      0.5        0          0          0
J39              104.448    0.5        0          0          0
```

```
J4              103.6      0.5        0          0          0
J40             103.2      0.5        0          0          0
J42             104.2      0.5        0          0          0
J43             104.5      0.5        0          0          0
J45             104.6      0.5        0          0          0
J46             105.1      0.5        0          0          0
J47             105.75     0.5        0          0          0
J49             105.3      0.5        0          0          0
J5              103.5      0.5        0          0          0
J50             106.75     0.5        0          0          0
J51             109.75     0.5        0          0          0
J52             109        0.5        0          0          0
J55             109.1      0.5        0          0          0
J56             108.47     0.5        0          0          0
J57             108.4      0.5        0          0          0
J58             108        0.5        0          0          0
J6              103.4      0.5        0          0          0
J60             107        0.5        0          0          0
J61             106.5      0.5        0          0          0
J62             105.7      0.5        0          0          0
J63             105.2      0.5        0          0          0
J66             107.75     0.5        0          0          0
J67             107.5      0.5        0          0          0
J74             98.45      0.77       0          5          0

[OUTFALLS]
;;Name           Elevation  Type       Stage Data       Gated    Route To
;;-------------- ---------- ---------- ---------------- -------- ----------------
OF1             100.8      FREE                        NO
OF2             0          FREE                        NO
OF3             98         FREE                        NO
;SP
ST4_108A_(P-Stm) 98.019     TIMESERIES 24SCS002_QUINNS_ST4_108A_HEAD NO

[STORAGE]
;;Name           Elev.    MaxDepth   InitDepth  Shape       Curve Name/Params
SurDepth Fevap    Psi      Ksat     IMD
;;-------------- -------- ---------- ---------- ----------- ---------------------------- -----
;Cylindrical Structure Slab Top Circular Frame SI
500_(C-STRM)    100.368  2.785      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
502_(C-STRM)    100.571  3.702      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
503_(C-STRM)    100.612  3.906      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
504_(C-STRM)    103.06   2.799      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
505_(C-STRM)    103.48   3.265      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
506_(C-STRM)    103.83   3.155      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
507_(C-STRM)    104.165  3.185      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
508_(C-STRM)    104.393  3.183      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
509_(C-STRM)    104.62   3.118      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
510_(C-STRM)    104.871  3.063      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
511_(C-STRM)    104.936  3.056      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
512_(C-STRM)    105.136  3.095      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
513_(C-STRM)    105.268  3.117      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
514_(C-STRM)    105.611  3.133      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
515_(C-STRM)    105.877  3.216      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
516_(C-STRM)    105.481  3.033      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
517_(C-STRM)    105.64   3.002      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
518_(C-STRM)    105.877  2.896      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
519_(C-STRM)    106.099  2.794      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
520_(C-STRM)    106.367  2.633      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
522_(C-STRM)    104.305  2.995      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
525_(C-STRM)    100.584  2.716      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
528_(C-STRM)    100.696  2.709      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
532_(C-STRM)    100.8    2.701      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
536_(C-STRM)    100.949  2.654      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
540_(C-STRM)    100.833  2.873      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
541_(C-STRM)    100.905  2.925      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
551_(C-STRM)    100.673  3.79       0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
552_(C-STRM)    100.769  3.863      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
553_(C-STRM)    100.96   3.762      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
554_(C-STRM)    101.076  3.886      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
555_(C-STRM)    101.272  4.076      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
556_(C-STRM)    101.392  4.208      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
601_(C-STRM)    100.433  4.445      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
602_(C-STRM)    100.48   4.158      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
603_(C-STRM)    100.554  3.989      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
604_(C-STRM)    100.626  5.142      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
605_(C-STRM)    101.375  5.348      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
619_(C-STRM)    101.124  5.399      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
622_(C-STRM)    101.236  4.782      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
626_(C-STRM)    103.996  3.204      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
627_(C-STRM)    103.196  3.504      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
629_(C-STRM)    101.711  4.401      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
630_(C-STRM)    101.834  4.368      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
630A_(C-STRM)   101.875  4.125      0          FUNCTIONAL  0          0          1.13     0
0
;70m3/ha below weir elevation (260.449m3) - average of unfactored infiltration rates from
Paterson report for BH 11-22(44.8mm/hr) and BH 18-15 (26mm/hr)
633_(C-STRM)    105.3    0.5        0          FUNCTIONAL  0          0          709.83   0
0          0        35.4     0
;Cylindrical Structure Slab Top Circular Frame SI
634_(C-STRM)    101.883  3.82       0          FUNCTIONAL  0          0          1.13     0
0
;70m3/ha below weir elevation (260.449m3) - average of unfactored infiltration rates from
Paterson report for BH 11-22(44.8mm/hr) and BH 18-15 (26mm/hr)
637_(C-STRM)    105.35   0.5        0          FUNCTIONAL  0          0          2200.07  0
0          0        35.4     0
;Cylindrical Structure Slab Top Circular Frame SI
643_(C-STRM)    102.067  3.448      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
644_(C-STRM)    102.539  3.166      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
645_(C-STRM)    102.295  3.605      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
646_(C-STRM)    102.432  3.341      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
647_(C-STRM)    102.571  3.029      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
650_(C-STRM)    100.989  5.172      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
651_(C-STRM)    100.887  4.991      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
652_(C-STRM)    100.871  4.973      0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
Filter_Bed      100.1    1.483      0          TABULAR     Filtration_POND              0
0
;Cylindrical Structure Slab Top Circular Frame SI
Industrial_NORTH 105.2   0.5        0          FUNCTIONAL  0          0          5000     0
0
;Cylindrical Structure Slab Top Circular Frame SI
Industrial_South 105     0.5        0          FUNCTIONAL  0          0          1500     0
0
;Cylindrical Structure Slab Top Circular Frame SI
MTD_(C-STRM)    100.362  3.02       0          FUNCTIONAL  0          0          1.13     0
0
;Cylindrical Structure Slab Top Circular Frame SI
OVERFLOW_(C-STRM) 100.17 2.83       0          FUNCTIONAL  0          0          1.13     0
0
PARK            105.36   0.5        0          FUNCTIONAL  0          0          1000     0
0
;Cylindrical Structure Slab Top Circular Frame SI
POND_(C-STRM)   98.45    2.65       0          TABULAR     POND_UPDATED                 0
0
S_504-503       105.75   0.5        0          FUNCTIONAL  0          0          111.3    0
0
;70m3/ha below weir elevation (114.569 m3)
S_525-MTD       103.45   0.5        0          FUNCTIONAL  0          0          1145.69  0
0
;70m3/ha below weir elevation (114.569 m3)
S_528-525       103.5    0.5        0          FUNCTIONAL  0          0          1159.69  0
0
;70m3/ha below weir elevation (114.569 m3)
S_532-528       103.65   0.5        0          FUNCTIONAL  0          0          587.86   0
0
;70m3/ha below weir elevation (114.569 m3)
S_536-532       103.7    0.5        0          FUNCTIONAL  0          0          854.56   0
0
;Cylindrical Structure Slab Top Circular Frame SI
S_540-536       103.85   0.5        0          FUNCTIONAL  0          0          408.7    0
0
;70m3/ha below weir elevation (114.569 m3)
S_545-541       103.9    0.5        0          FUNCTIONAL  0          0          2345.91  0
0
;70m3/ha below weir elevation (456.701m3)- average of unfactored infiltration rates from
Paterson report for BH 17-22(35.2mm/hr) and BH 18-22 (32mm/hr)
S_607-605       107.9    0.5        0          FUNCTIONAL  0          0          4560.36  0
0          0        33.6     0
;70m3/ha below weir elevation (129.059m3) - average of unfactored infiltration rates from
Paterson report for BH 11-22(44.8mm/hr) and BH 16-22 (42.8mm/hr)
S_620-619       106.9    0.5        0          FUNCTIONAL  0          0          860.39   0
0          0        43.8     0
;70m3/ha below weir elevation (88.207m3)- average of unfactored infiltration rates from
Paterson report for BH 11-22(44.8mm/hr) and BH 18-15 (26mm/hr)
S_622-619       106      0.5        0          FUNCTIONAL  0          0          883.75   0
0          0        35.4     0
;70m3/ha below weir elevation (148.743m3) - average of unfactored infiltration rates from
Paterson report for BH 11-22(44.8mm/hr) and BH 16-22 (42.8mm/hr)
S_623-622       106.5    0.5        0          FUNCTIONAL  0          0          994.233  0
0          0        43.8     0
;70m3/ha below weir elevation (50.841 m3)- average of unfactored infiltration rates from
Paterson report for BH 11-22(44.8mm/hr) and BH 16-22 (42.8mm/hr)
S_627-630       106.7    0.5        0          FUNCTIONAL  0          0          515.41   0
0          0        43.8     0
;70m3/ha below weir elevation (173.376m3) - average of unfactored infiltration rates from
Paterson report for BH 9-22(34mm/hr) and BH 8-22 (23.8mm/hr) - No infiltration opportunity per
Figure 9
S_652-604       105.85   0.5        0          FUNCTIONAL  0          0          1483.93  0
0
Woodlot_North   106.75   0.5        0          FUNCTIONAL  0          0          1000     0
0

[CONDUITS]
;;Name           From Node        To Node          Length     Roughness  InOffset   OutOffset
InitFlow   MaxFlow
;;-------------- ---------------- ---------------- ---------- ---------- ---------- ----------
---------- ----------
BDR-C1          EXD_15           EXD_16           17.689     0.025      100.269    100.201
0          0
BDR-C2          EXD_20           EXD_21           7.913      0.013      99.186     99.181
0          0
BDR-C3          EXD_25           EXD_26           14.161     0.013      98.523     98.485
0          0
BDR-C4          EXD_12           EXD_27           23.037     0.013      98.305     98.165
0          0
C1              J27              J28              185.776    0.013      109        108.8
0          0
C1_1            J28              J57              329.525    0.01       108.8      108.4
0          0
C1_11           J47              J43              75.036     0.01       105.75     104.5
0          0
```

C1_2	J55	J57	190.647	0.01	109.1	108.4	0	0	C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	10.7	0.013	100.887	100.871	0	0
C1_3	J56	J57	40.035	0.01	108.47	108.4	0	0	;Concrete Pipes 100-D								
C1_4	J58	J66	70.195	0.01	108	107.75	0	0	C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	44.46	0.013	105.436	105.236	0	0
C1_5	J57	J58	76.846	0.01	108.4	108	0	0	;Concrete Pipes 100-D								
C1_6	J66	J67	70.004	0.01	107.75	107.5	0	0	C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	29.322	0.013	105.568	105.436	0	0
C1_7	J67	J60	69.771	0.01	107.5	107	0	0	;Concrete Pipes 100-D								
C1_8	J60	J50	73.016	0.01	107	106.75	0	0	C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	72.39	0.013	104.296	103.572	0	0
C1_9	J50	J47	92.595	0.01	106.75	105.75	0	0	;Concrete Pipes 100-D								
C2	J2	EXD_1	173.222	0.013	109	105.6	0	0	C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	74.275	0.013	103.496	103.125	0	0
C2_1	J51	J52	39.529	0.01	109.75	109	0	0	;Concrete Pipes 100-D								
C2_10	J63	J36	39.517	0.01	105.2	104.928	0	0	C-STRM-22_(1)_(C-STRM)	629_(C-STRM)	622_(C-STRM)	81.41	0.013	101.711	101.589	0	0
C2_11	J36	J35	72.016	0.01	104.928	104.7	0	0	;Concrete Pipes 100-D								
C2_12	J35	J37	45.524	0.01	104.7	104.65	0	0	C-STRM-22_(C-STRM)	630_(C-STRM)	629_(C-STRM)	82.091	0.013	101.834	101.711	0	0
C2_13	J37	J38	28.912	0.01	104.65	104.6	0	0	;Concrete Pipes 100-D								
C2_14	J38	J39	43.971	0.01	104.6	104.448	0	0	C-STRM-23_(C-STRM)	634_(C-STRM)	622_(C-STRM)	72.003	0.013	102.183	102.075	0	0
C2_15	J39	J42	72.047	0.01	104.448	104.2	0	0	;Concrete Pipes 100-D								
C2_16	J43	J42	31.144	0.01	104.5	104.2	0	0	C-STRM-26_(1)_(C-STRM)	551_(C-STRM)	502_(C-STRM)	60.766	0.013	100.973	100.875	0	0
C2_18	J45	J43	70.197	0.01	104.6	104.2	0	0	;Concrete Pipes 100-D								
C2_2	J60	J61	75.008	0.01	107	106.5	0	0	C-STRM-26_(C-STRM)	552_(C-STRM)	551_(C-STRM)	60.251	0.013	101.069	100.973	0	0
C2_3	J52	J60	165.437	0.01	109	107	0	0	;Concrete Pipes 100-D								
C2_4	J61	J31	72.007	0.01	106.5	106	0	0	C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	506_(C-STRM)	505_(C-STRM)	70.029	0.013	104.13	103.78	0	0
C2_5	J23	J31	163.264	0.01	106.2	106	0	0	;Concrete Pipes 100-D								
C2_7	J23	J22	27.916	0.01	106.2	106	0	0	C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	507_(C-STRM)	506_(C-STRM)	51.744	0.013	104.465	104.206	0	0
C2_8	J19	J63	110.791	0.01	105.6	105.2	0	0	;Concrete Pipes 100-D								
C2_9	J46	J45	93.364	0.01	105.1	104.6	0	0	C-STRM-3_(1)_(1)_(1)_(C-STRM)	508_(C-STRM)	507_(C-STRM)	45.501	0.013	104.693	104.465	0	0
C3	J3	J4	72.559	0.013	103.7	103.6	0	0	;Concrete Pipes 100-D								
C3_2	J22	J21	72.969	0.01	106	105.9	0	0	C-STRM-3_(1)_(1)_(C-STRM)	509_(C-STRM)	508_(C-STRM)	45.501	0.013	104.92	104.693	0	0
C3_6	J21	J20	75.807	0.01	105.9	105.8	0	0	;Concrete Pipes 100-D								
C3_7	J20	J19	112.321	0.01	105.8	105.6	0	0	C-STRM-3_(1)_(2)_(C-STRM)	510_(C-STRM)	509_(C-STRM)	55.691	0.013	105.171	104.92	0	0
C4	J4	J5	49.703	0.013	103.6	103.5	0	0	;Concrete Pipes 100-D								
C4_5	J1	J13	118.388	0.01	103.45	103.3	0	0	C-STRM-3_(1)_(C-STRM)	511_(C-STRM)	510_(C-STRM)	14.544	0.013	105.236	105.171	0	0
C4_6	J42	J40	45.934	0.01	104.2	103.2	0	0	;Concrete Pipes 100-D								
C4_7	J13	J40	64.406	0.01	103.3	103.2	0	0	C-STRM-33_(1)_(C-STRM)	646_(C-STRM)	645_(C-STRM)	91.049	0.013	102.432	102.295	0	0
C5	J5	J6	68.434	0.013	103.5	103.4	0	0	;Concrete Pipes 100-D								
C5_1	EXD_1	J17	18.978	0.025	104.392	104.372	0	0	C-STRM-33_(C-STRM)	647_(C-STRM)	646_(C-STRM)	92.926	0.013	102.571	102.432	0	0
C5_10	EXD_16	EXD_17	80.972	0.025	100.201	99.888	0	0	;Concrete Pipes 100-D								
C5_11	EXD_18	EXD_19	109.87	0.025	99.401	99.193	0	0	C-STRM-34_(1)_(1)_(C-STRM)	555_(C-STRM)	554_(C-STRM)	75.195	0.013	101.572	101.452	0	0
C5_12	EXD_27	OF3	27.06	0.025	98.165	98	0	0	;Concrete Pipes 100-D								
C5_13	EXD_17	EXD_18	99.871	0.025	99.888	99.401	0	0	C-STRM-34_(1)_(C-STRM)	556_(C-STRM)	555_(C-STRM)	75.195	0.013	101.692	101.572	0	0
C5_14	EXD_19	EXD_20	12.732	0.025	99.193	99.186	0	0	;Concrete Pipes 100-D								
C5_15	EXD_22	EXD_23	101.723	0.025	99.144	98.748	0	0	C-STRM-35_(1)_(C-STRM)	553_(C-STRM)	552_(C-STRM)	72.073	0.013	101.26	101.145	0	0
C5_16	EXD_23	EXD_24	102.447	0.025	98.748	98.668	0	0	;Concrete Pipes 100-D								
C5_17	EXD_24	EXD_25	54.83	0.025	98.668	98.523	0	0	C-STRM-35_(C-STRM)	554_(C-STRM)	553_(C-STRM)	72.007	0.013	101.376	101.26	0	0
C5_18	J31	J62	71.005	0.01	106	105.7	0	0	;Concrete Pipes 100-D								
C5_19	EXD_21	EXD_22	66.275	0.025	99.181	99.144	0	0	C-STRM-4_(1)_(C-STRM)	504_(C-STRM)	503_(C-STRM)	83.243	0.013	103.36	102.86	0	0
C5_2	EXD_2	EXD_3	95.136	0.025	103.469	103.19	0	0	;Concrete Pipes 100-D								
C5_20	EXD_26	EXD_27	120.962	0.025	98.485	98.165	0	0	C-STRM-4_(C-STRM)	505_(C-STRM)	504_(C-STRM)	84.043	0.013	103.78	103.36	0	0
C5_21	EXD_14	EXD_15	142.148	0.025	102.49	100.269	0	0	;Concrete Pipes 100-D								
C5_23	J17	EXD_13	36.963	0.025	104.372	104.324	0	0	C-STRM-46_(1)_(1)_(C-STRM)	650_(C-STRM)	651_(C-STRM)	67.997	0.013	100.989	100.887	0	0
C5_24	J62	J49	91.275	0.01	105.7	105.3	0	0	;Concrete Pipes 100-D								
C5_25	J49	J38	76.487	0.01	105.3	104.6	0	0	C-STRM-46_(1)_(C-STRM)	619_(C-STRM)	650_(C-STRM)	89.655	0.013	101.124	100.989	0	0
C5_3	EXD_13	EXD_2	104.333	0.025	104.324	103.469	0	0	;Concrete Pipes 100-D								
C5_4	EXD_4	EXD_5	16.555	0.025	102.643	102.496	0	0	C-STRM-49_(C-STRM)	541_(C-STRM)	540_(C-STRM)	47.743	0.013	101.205	101.133	0	0
C5_5	EXD_6	EXD_7	104.528	0.025	102.32	101.495	0	0	;Concrete Pipes 100-D								
C5_6	EXD_3	EXD_4	61.663	0.025	103.19	102.643	0	0	C-STRM-50_(C-STRM)	540_(C-STRM)	536_(C-STRM)	71.999	0.013	101.133	101.025	0	0
C5_7	EXD_9	EXD_10	284.352	0.025	100.385	98.653	0	0	;Concrete Pipes 100-D								
C5_8	EXD_7	EXD_8	165.719	0.025	101.495	100.485	0	0	C-STRM-51_(C-STRM)	536_(C-STRM)	532_(C-STRM)	48.5	0.013	100.949	100.876	0	0
C5_9	EXD_11	EXD_12	31.708	0.025	98.498	98.305	0	0	;Concrete Pipes 100-D								
C6	J6	J13	71.528	0.013	103.4	103.3	0	0	C-STRM-52_(C-STRM)	532_(C-STRM)	528_(C-STRM)	69	0.013	100.8	100.696	0	0
C7	J40	Filter_Bed	63.604	0.013	103.2	103	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-53_(C-STRM)	528_(C-STRM)	525_(C-STRM)	74.995	0.013	100.696	100.584	0	0
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	106.63	0.013	105.781	105.568	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-57_(C-STRM)	503_(C-STRM)	502_(C-STRM)	27.53	0.013	100.612	100.571	0	0
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	105.974	0.013	105.94	105.781	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-60_(C-STRM)	644_(C-STRM)	643_(C-STRM)	67.181	0.013	102.839	102.672	0	0
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	106.639	0.013	106.177	106.017	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-62_(C-STRM)	520_(C-STRM)	519_(C-STRM)	95.854	0.013	106.667	106.475	0	0
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	26.41	0.013	100.8	100.668	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-63_(C-STRM)	519_(C-STRM)	518_(C-STRM)	97.445	0.013	106.399	106.253	0	0
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	12.947	0.013	100.668	100.603	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-64_(C-STRM)	522_(C-STRM)	EXD_1	81.884	0.013	104.605	104.4	0	0
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	13.979	0.013	100.17	100.1	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-76_(C-STRM)	525_(C-STRM)	MTD_(C-STRM)	72.565	0.013	100.584	100.439	0	0
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	73.878	0.013	102.295	102.184	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-77_(C-STRM)	MTD_(C-STRM)	OVERFLOW_(C-STRM)	38.51	0.013	100.362	100.17	0	0
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	72.001	0.013	102.367	102.259	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-78_(C-STRM)	502_(C-STRM)	MTD_(C-STRM)	43.957	0.013	100.571	100.439	0	0
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	61.903	0.013	100.871	100.778	0	0	;Concrete Pipes 100-D								
;Concrete Pipes 100-D									C-STRM-79_(1)_(C-STRM)	604_(C-STRM)	603_(C-STRM)	72.035	0.013	100.626	100.554	0	0
									;Concrete Pipes 100-D								
									C-STRM-79_(C-STRM)	605_(C-STRM)	604_(C-STRM)	89.493	0.013	101.675	101.54	0	0
									;Concrete Pipes 100-D								
									C-STRM-8_(1)_(C-STRM)	514_(C-STRM)	513_(C-STRM)	95.15	0.013	105.911	105.721	0	0
									;Concrete Pipes 100-D								
									C-STRM-8_(C-STRM)	515_(C-STRM)	514_(C-STRM)	95.141	0.013	106.177	105.987	0	0
									;Concrete Pipes 100-D								
									C-STRM-80_(C-STRM)	603_(C-STRM)	602_(C-STRM)	74.317	0.013	100.554	100.48	0	0
									;Concrete Pipes 100-D								
									C-STRM-81_(C-STRM)	602_(C-STRM)	601_(C-STRM)	46.688	0.013	100.48	100.433	0	0
									;Concrete Pipes 100-D								
									C-STRM-82_(C-STRM)	601_(C-STRM)	POND_(C-STRM)	32.995	0.013	100.433	100.4	0	0
									;Concrete Pipes 100-D								
									C-STRM-83_(1)_(C-STRM)	630A_(C-STRM)	630_(C-STRM)	27.103	0.013	101.875	101.834	0	0
									;Concrete Pipes 100-D								
									C-STRM-84_(C-STRM)	622_(C-STRM)	619_(C-STRM)	75.002	0.013	101.236	101.124	0	0
									;Concrete Pipes 100-D								
									C-STRM-87_(C-STRM)	645_(C-STRM)	644_(C-STRM)	68.577	0.013	103.087	102.916	0	0
									CVR-C2	EXD_5	EXD_6	19.831	0.013	102.496	102.32	0	0

```
CVR-C3              EXD_8               EXD_9               16.356     0.013      100.485    100.385
0           0
CVR-C4              EXD_10              EXD_11              25.368     0.013      98.653     98.498
0           0
;Concrete Pipes 100-D
ST4-Pipe_-_(99)_(P-Stm) J74         ST4_108A_(P-Stm) 49.3       0.013      98.45      98.31
0           0
W1                  Filter_Bed          POND_(C-STRM)       4.86       0.013      100.8      100.8
0           0

[ORIFICES]
;;Name             From Node           To Node             Type         Offset     Qcoeff     Gated
CloseTime
;;---------------- ------------------ ------------------ ------------ ---------- ---------- --------
----------
OR1                 POND_(C-STRM)       J74                 SIDE         98.45      0.65       NO
0
OR2                 POND_(C-STRM)       J74                 SIDE         100.8      0.65       NO
0

[WEIRS]
;;Name             From Node           To Node             Type         CrestHt    Qcoeff     Gated
EndCon   EndCoeff   Surcharge  RoadWidth  RoadSurf   Coeff. Curve
;;------ --------- ---------- ---------- ---------- ---------- ---------- ---------- --------
-------- ---------- ---------- ---------- ---------- ----------
W10                 637_(C-STRM)        J35                 TRANSVERSE   105.45     1.67       NO
0           0           NO
W11                 633_(C-STRM)        J49                 TRANSVERSE   105.4      1.67       NO
0           0           NO
W12                 S_652-604           J47                 TRANSVERSE   105.95     1.67       NO
0           0           NO
W13                 S_545-541           J3                  TRANSVERSE   104        1.67       NO
0           0           NO
W14                 S_540-536           J3                  TRANSVERSE   104        1.67       NO
0           0           NO
W15                 S_536-532           J4                  TRANSVERSE   103.85     1.67       NO
0           0           NO
W16                 S_532-528           J5                  TRANSVERSE   103.75     1.67       NO
0           0           NO
W17                 S_528-525           J6                  TRANSVERSE   103.6      1.67       NO
0           0           NO
W2                  POND_(C-STRM)       OF1                 TRANSVERSE   100.8      1.67       NO
0           0           NO
W3                  S_504-503           J47                 TRANSVERSE   105.85     1.67       NO
0           0           NO
W4                  S_627-630           J23                 TRANSVERSE   106.8      1.67       NO
0           0           NO
W5                  S_525-MTD           J13                 TRANSVERSE   103.55     1.67       NO
0           0           NO
W6                  S_623-622           J31                 TRANSVERSE   106.65     1.67       NO
0           0           NO
W7                  S_620-619           J61                 TRANSVERSE   107.05     1.67       NO
0           0           NO
W8                  S_607-605           J50                 TRANSVERSE   108        1.67       NO
0           0           NO
W9                  S_622-619           J31                 TRANSVERSE   106.1      1.67       NO
0           0           NO

[OUTLETS]
;;Name             From Node           To Node             Offset     Type            QTable/Qcoeff
Qexpon     Gated
;;---------------- ------------------ ------------------ ---------- ---------------- ---------------
- ---------- --------
;Concrete Pipes 100-D
C-STRM-108_(1)_(C-STRM) 633_(C-STRM) 634_(C-STRM)  105.3      TABULAR/HEAD     C_633-634
NO
;Concrete Pipes 100-D
C-STRM-14_(1)_(C-STRM) S_607-605  605_(C-STRM)      107.9      TABULAR/HEAD     C_605-604
NO
;Concrete Pipes 100-D
C-STRM-27_(C-STRM) S_623-622      622_(C-STRM)      106.5      TABULAR/HEAD     C_623-622
NO
;Concrete Pipes 100-D
C-STRM-42_(C-STRM) S_545-541      541_(C-STRM)      103.9      TABULAR/HEAD     C_541-540
NO
;Concrete Pipes 100-D
C-STRM-44_(1)_(C-STRM) S_525-MTD  525_(C-STRM)      103.45     TABULAR/HEAD     C_525-MTD
NO
;Concrete Pipes 100-D
C-STRM-45_(1)_(C-STRM) S_620-619  619_(C-STRM)      103.069    TABULAR/HEAD     C_620-619
NO
;Concrete Pipes 100-D
C-STRM-61_(C-STRM) 637_(C-STRM)   643_(C-STRM)      105.35     TABULAR/HEAD     C_637-643
NO
;Concrete Pipes 100-D
C-STRM-71_(C-STRM) Industrial_South 647_(C-STRM)    105        TABULAR/HEAD     C_680-
647_Industrial           NO
;Concrete Pipes 100-D
C-STRM-83_(C-STRM) Industrial_NORTH 630A_(C-STRM)   105.2      TABULAR/HEAD     C_630A-
630_Industrial           NO
;Concrete Pipes 100-D
C-STRM-93_(C-STRM) S_540-536      540_(C-STRM)      103.85     TABULAR/HEAD     C_540-536
NO
;Concrete Pipes 100-D
C-STRM-96_(1)_(C-STRM) S_536-532  536_(C-STRM)      103.7      TABULAR/HEAD     C_536-532
NO
;Concrete Pipes 100-D
C-STRM-97_(1)_(C-STRM) S_532-528  532_(C-STRM)      103.65     TABULAR/HEAD     C_532-528
NO
;Concrete Pipes 100-D
C-STRM-98_(1)_(C-STRM) S_528-525  528_(C-STRM)      103.5      TABULAR/HEAD     C_528-525
NO
OL1                 S_622-619         622_(C-STRM)      106        TABULAR/HEAD     C_622-619
NO
;Re-using existing soils - Assumes infiltration rate at BH2-22 per Paterson's report of
50.4mm/hr. 50.4mm/hr is multiplied by area of filtration bed(0.182180 ha).
OL10                Filter_Bed          POND_(C-STRM)       100.1      FUNCTIONAL/DEPTH 0.026
0           YES
OL11                J50                 505_(C-STRM)        106.75     TABULAR/HEAD     C_505-504
NO
OL12                J60                 506_(C-STRM)        107        TABULAR/HEAD     C_506-505
NO
OL13                J58                 511_(C-STRM)        108        TABULAR/HEAD     C_511-510
NO
OL14                J57                 513_(C-STRM)        108.4      TABULAR/HEAD     C_513-512
NO
OL15                J28                 518_(C-STRM)        108.8      TABULAR/HEAD     C_518-517
NO
OL16                J2                  522_(C-STRM)        109        TABULAR/HEAD     C_522-523
NO
OL17                J27                 520_(C-STRM)        109        TABULAR/HEAD     C_520-519
NO
OL18                J19                 647_(C-STRM)        105.6      TABULAR/HEAD     C_647-646
NO
OL19                J20                 646_(C-STRM)        105.8      TABULAR/HEAD     C_646-645
NO
OL2                 J35                 553_(C-STRM)        104.7      TABULAR/HEAD     C_553-552
NO
OL20                S_504-503           504_(C-STRM)        105.75     TABULAR/HEAD     Park_Rear_Yards
NO
OL21                PARK                602_(C-STRM)        105.36     TABULAR/HEAD     C_503-502_Park
NO
OL22                J21                 645_(C-STRM)        105.9      TABULAR/HEAD     C_645-630A
NO
OL3                 J38                 552_(C-STRM)        104.6      TABULAR/HEAD     C_552-551
NO
OL4                 J42                 502_(C-STRM)        104.2      TABULAR/HEAD     C_502-OGS
NO
OL5                 J43                 503_(C-STRM)        104.5      TABULAR/HEAD     C_503-502
NO
OL6                 Woodlot_North       626_(C-STRM)        106.75     TABULAR/HEAD     C_624-
623_WOODLOT              NO
OL7                 S_627-630           627_(C-STRM)        106.7      TABULAR/HEAD     C_627-630
NO
OL8                 S_652-604           652_(C-STRM)        105.85     TABULAR/HEAD     C_652-604
NO
OL9                 J47                 504_(C-STRM)        105.75     TABULAR/HEAD     C_504-503
NO

[XSECTIONS]
;;Link             Shape       Geom1            Geom2      Geom3      Geom4      Barrels
Culvert
;;---------------- ------------ ---------------- ---------- ---------- ---------- ---------- ---
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BDR-C1              CIRCULAR    0.4              0          0          0          1
BDR-C2              CIRCULAR    0.4              0          0          0          1
BDR-C3              CIRCULAR    0.5              0          0          0          1
BDR-C4              CIRCULAR    1.2              0          0          0          1
C1                  IRREGULAR   ROW_26m
C1_1                IRREGULAR   ROW_26m
C1_11               IRREGULAR   ROW_24m
C1_2                IRREGULAR   ROW_26m
C1_3                IRREGULAR   ROW_24m
C1_4                IRREGULAR   ROW_24m
C1_5                IRREGULAR   ROW_24m
C1_6                IRREGULAR   ROW_24m
C1_7                IRREGULAR   ROW_24m
C1_8                IRREGULAR   ROW_24m
C1_9                IRREGULAR   ROW_24m
C2                  IRREGULAR   ROW_26m
C2_1                IRREGULAR   ROW_18m
C2_10               IRREGULAR   ROW_20m
C2_11               IRREGULAR   ROW_20m
C2_12               IRREGULAR   ROW_20m
C2_13               IRREGULAR   ROW_20m
C2_14               IRREGULAR   ROW_20m
C2_15               IRREGULAR   ROW_20m
C2_16               IRREGULAR   ROW_20m
C2_18               IRREGULAR   ROW_24m
C2_2                IRREGULAR   ROW_18m
C2_3                IRREGULAR   ROW_18m
C2_4                IRREGULAR   ROW_18m
C2_5                IRREGULAR   ROW_18m
C2_7                IRREGULAR   ROW_18m
C2_8                IRREGULAR   ROW_20m
C2_9                IRREGULAR   ROW_24m
C3                  RECT_OPEN   0.5              6.19       0          0          1
C3_2                IRREGULAR   ROW_18m
C3_6                IRREGULAR   ROW_18m
C3_7                IRREGULAR   ROW_18m
C4                  RECT_OPEN   0.5              6.19       0          0          1
C4_5                IRREGULAR   ROW_18m
C4_6                IRREGULAR   ROW_18m
C4_7                IRREGULAR   ROW_18m
C5                  RECT_OPEN   0.5              6.19       0          0          1
C5_1                IRREGULAR   Upstream1
C5_10               IRREGULAR   Barnsdale_UPST1
C5_11               IRREGULAR   Barnsdale_UPST3
C5_12               IRREGULAR   Upstream6
C5_13               IRREGULAR   Barnsdale_UPST2
C5_14               IRREGULAR   Barnsdale_UPST4
C5_15               IRREGULAR   Barnsdale_UPST5
C5_16               IRREGULAR   Barnsdale_UPST6
C5_17               IRREGULAR   Barnsdale_UPST7
C5_18               IRREGULAR   ROW_18m
C5_19               IRREGULAR   Barnsdale_UPST4
C5_2                IRREGULAR   Upstream3
C5_20               IRREGULAR   Barnsdale_UPST7
C5_21               IRREGULAR   Barnsdale_UPST1
C5_23               IRREGULAR   Upstream1
C5_24               IRREGULAR   ROW_18m
C5_25               IRREGULAR   ROW_18m
C5_3                IRREGULAR   Upstream2
C5_4                IRREGULAR   Upstream4
C5_5                IRREGULAR   Upstream5
C5_6                IRREGULAR   Upstream4
C5_7                IRREGULAR   Upstream6
C5_8                IRREGULAR   Upstream6
C5_9                IRREGULAR   Upstream6
C6                  RECT_OPEN   0.5              6.19       0          0          1
C7                  RECT_OPEN   0.5              6.19       0          0          1
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR 0.675         0          0          0          1
C-STRM-1_(1)_(C-STRM) CIRCULAR 0.675             0          0          0          1
C-STRM-1_(C-STRM) CIRCULAR   0.6                 0          0          0          1
C-STRM-100_(C-STRM) CIRCULAR  0.6                0          0          0          1
C-STRM-101_(C-STRM) CIRCULAR  0.6                0          0          0          1
C-STRM-102_(C-STRM) CIRCULAR  1.05               0          0          0          1
C-STRM-105_(C-STRM) CIRCULAR  0.9                0          0          0          1
C-STRM-106_(C-STRM) CIRCULAR  0.75               0          0          0          1
C-STRM-107_(1)_(C-STRM) CIRCULAR 1.65            0          0          0          1
C-STRM-107_(C-STRM) CIRCULAR  1.65               0          0          0          1
C-STRM-2_(1)_(C-STRM) CIRCULAR 0.675             0          0          0          1
C-STRM-2_(C-STRM) CIRCULAR   0.675               0          0          0          1
C-STRM-20_(C-STRM) CIRCULAR   0.45               0          0          0          1
C-STRM-21_(C-STRM) CIRCULAR   0.525              0          0          0          1
C-STRM-22_(1)_(C-STRM) CIRCULAR 1.5              0          0          0          1
C-STRM-22_(C-STRM) CIRCULAR   1.5                0          0          0          1
C-STRM-23_(C-STRM) CIRCULAR   0.825              0          0          0          1
C-STRM-26_(1)_(C-STRM) CIRCULAR 0.675            0          0          0          1
C-STRM-26_(C-STRM) CIRCULAR   0.675              0          0          0          1
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR 0.75 0       0          0          1
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR 0.675 0          0          0          1
C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR 0.675     0          0          0          1
C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR 0.675         0          0          0          1
C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR 0.675         0          0          0          1
C-STRM-3_(1)_(C-STRM) CIRCULAR 0.675             0          0          0          1
C-STRM-33_(1)_(C-STRM) CIRCULAR 0.9              0          0          0          1
C-STRM-33_(C-STRM) CIRCULAR   0.9                0          0          0          1
C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR 0.525        0          0          0          1
C-STRM-34_(1)_(C-STRM) CIRCULAR 0.525            0          0          0          1
C-STRM-35_(1)_(C-STRM) CIRCULAR 0.6              0          0          0          1
C-STRM-35_(C-STRM) CIRCULAR   0.6                0          0          0          1
C-STRM-4_(1)_(C-STRM) CIRCULAR 0.75              0          0          0          1
C-STRM-4_(C-STRM) CIRCULAR   0.675               0          0          0          1
C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR 1.65         0          0          0          1
C-STRM-46_(1)_(C-STRM) CIRCULAR 1.65             0          0          0          1
C-STRM-49_(C-STRM) CIRCULAR   0.825              0          0          0          1
C-STRM-50_(C-STRM) CIRCULAR   0.825              0          0          0          1
C-STRM-51_(C-STRM) CIRCULAR   0.9                0          0          0          1
C-STRM-52_(C-STRM) CIRCULAR   0.975              0          0          0          1
C-STRM-53_(C-STRM) CIRCULAR   0.975              0          0          0          1
C-STRM-57_(C-STRM) CIRCULAR   0.975              0          0          0          1
C-STRM-60_(C-STRM) CIRCULAR   0.45               0          0          0          1
C-STRM-62_(C-STRM) CIRCULAR   0.45               0          0          0          1
C-STRM-63_(C-STRM) CIRCULAR   0.525              0          0          0          1
C-STRM-64_(C-STRM) CIRCULAR   0.375              0          0          0          1
C-STRM-76_(C-STRM) CIRCULAR   0.975              0          0          0          1
C-STRM-77_(C-STRM) CIRCULAR   1.05               0          0          0          1
C-STRM-78_(C-STRM) CIRCULAR   0.975              0          0          0          1
C-STRM-79_(1)_(C-STRM) CIRCULAR 1.8              0          0          0          1
C-STRM-79_(C-STRM) CIRCULAR   0.9                0          0          0          1
C-STRM-8_(1)_(C-STRM) CIRCULAR 0.525             0          0          0          1
C-STRM-8_(C-STRM) CIRCULAR    0.45               0          0          0          1
C-STRM-80_(C-STRM) CIRCULAR   1.8                0          0          0          1
C-STRM-81_(C-STRM) CIRCULAR   1.8                0          0          0          1
C-STRM-82_(C-STRM) CIRCULAR   1.8                0          0          0          1
C-STRM-83_(1)_(C-STRM) CIRCULAR 1.5              0          0          0          1
C-STRM-84_(C-STRM) CIRCULAR   1.65               0          0          0          1
C-STRM-87_(C-STRM) CIRCULAR   0.375              0          0          0          1
CVR-C2              CIRCULAR    0.45             0          0          0          1
CVR-C3              CIRCULAR    0.4              0          0          0          1
CVR-C4              CIRCULAR    1.2              0          0          0          1
ST4-Pipe_-_(99)_(P-Stm) CIRCULAR 0.9             0          0          0          1
W1                  IRREGULAR   Pond_SpillWay
OR1                 CIRCULAR    0.335            0          0          0
OR2                 RECT_CLOSED 0.25             0.9        0          0
W10                 RECT_OPEN   0.4              8.5        0          0
W11                 RECT_OPEN   0.4              8.5        0          0
W12                 RECT_OPEN   0.4              8.5        0          0
W13                 RECT_OPEN   0.4              8.5        0          0
W14                 RECT_OPEN   0.35             8.5        0          0
W15                 RECT_OPEN   0.35             8.5        0          0
W16                 RECT_OPEN   0.4              8.5        0          0
W17                 RECT_OPEN   0.4              8.5        0          0
W2                  RECT_OPEN   0.3              10         0          0
W3                  RECT_OPEN   0.4              8.5        0          0
W4                  RECT_OPEN   0.4              8.5        0          0
W5                  RECT_OPEN   0.4              8.5        0          0
```

```
W6              RECT_OPEN    0.35          8.5       0         0
W7              RECT_OPEN    0.35          8.5       0         0
W8              RECT_OPEN    0.4           8.5       0         0
W9              RECT_OPEN    0.4           8.5       0         0

[TRANSECTS]
;;Transect Data in HEC-2 format
;
NC 0.025    0.025    0.025
X1 Barnsdale_UPST1  21       12.5     17       0.0      0.0      0.0      0.0      0.0
GR 100.691  12.5     100.65   13       100.533  13.5     100.432  14       100.385  14.5
GR 100.309  15       100.269  15.5     100.412  16       100.596  16.5     100.781  17
GR 100.862  17.5     100.907  18       100.956  18.5     100.974  19       100.994  19.5
GR 101.017  20       101.028  20.5     101.047  21       101.058  21.5     101.066  22
GR 101.069  22.5
;
NC 0.025    0.025    0.025
X1 Barnsdale_UPST2  20       13.5     17       0.0      0.0      0.0      0.0      0.0
GR 100.176  12.5     100.155  13       100.148  13.5     100.035  14       99.888   14.5
GR 99.95    15       99.972   15.5     100.065  16       100.176  16.5     100.28   17
GR 100.471  17.5     100.549  18       100.593  18.5     100.62   19       100.637  19.5
GR 100.65   20       100.654  20.5     100.657  21       100.66   21.5     100.663  22
;
NC 0.025    0.025    0.025
X1 Barnsdale_UPST3  21       12.5     17       0.0      0.0      0.0      0.0      0.0
GR 99.827   12.5     99.741   13       99.574   13.5     99.465   14       99.405   14.5
GR 99.401   15       99.473   15.5     99.526   16       99.69    16.5     99.975   17
GR 100.069  17.5     100.149  18       100.151  18.5     100.159  19       100.193  19.5
GR 100.203  20       100.217  20.5     100.223  21       100.23   21.5     100.24   22
GR 100.246  22.5
;
NC 0.025    0.025    0.025
X1 Barnsdale_UPST4  18       13       17       0.0      0.0      0.0      0.0      0.0
GR 99.413   13       99.366   13.5     99.276   14       99.193   14.5     99.208   15
GR 99.285   15.5     99.351   16       99.516   16.5     99.773   17       99.929   17.5
GR 99.977   18       100.005  18.5     100.018  19       100.025  19.5     100.057  20
GR 100.067  20.5     100.074  21       100.077  21.5
;
NC 0.025    0.025    0.025
X1 Barnsdale_UPST5  19       12       16.5     0.0      0.0      0.0      0.0      0.0
GR 99.41    12       99.347   12.5     99.236   13       99.19    13.5     99.144   14
GR 99.173   14.5     99.2     15       99.391   15.5     99.572   16       99.771   16.5
GR 99.841   17       99.856   17.5     99.86    18       99.865   18.5     99.872   19
GR 99.889   19.5     99.909   20       99.933   20.5     99.94    21
;
NC 0.025    0.025    0.025
X1 Barnsdale_UPST6  27       9.5      14.5     0.0      0.0      0.0      0.0      0.0
GR 99.314   7.5      99.313   8        99.293   8.5      99.279   9        99.263   9.5
GR 99.146   10       99.072   10.5     98.903   11       98.776   11.5     98.765   12
GR 98.748   12.5     98.878   13       99.036   13.5     99.189   14       99.457   14.5
GR 99.555   15       99.603   15.5     99.754   16       99.774   16.5     99.811   17
GR 99.829   17.5     99.844   18       99.849   18.5     99.86    19       99.878   19.5
GR 99.882   20       99.889   20.5
;
NC 0.025    0.025    0.025
X1 Barnsdale_UPST7  30       10       16.5     0.0      0.0      0.0      0.0      0.0
GR 99.264   8        99.257   8.5      99.227   9        99.222   9.5      99.214   10
GR 99.106   10.5     98.999   11       98.843   11.5     98.763   12       98.745   12.5
GR 98.704   13       98.673   13.5     98.668   14       98.673   14.5     98.81    15
GR 99.067   15.5     99.24    16       99.379   16.5     99.43    17       99.552   17.5
GR 99.655   18       99.728   18.5     99.776   19       99.788   19.5     99.796   20
GR 99.797   20.5     99.798   21       99.801   21.5     99.801   22       99.801   22.5
;
;New Greenbak Road
NC 0.025    0.025    0.013
X1 GBR           9        5.25     36.25    0.0      0.0      0.0      0.0      0.0
GR 0.255    0        0.15     5.25     0        5.25     0.07     8.75     0.08     20.75
GR 0.07     32.75    0        36.25    0.15     36.25    0.255    41.5
;
NC 0.013    0.025    0.025
X1 Pond_SpillWay    4        47.99    62.99    0.0      0.0      0.0      0.0      0.0
GR 103.08   0        47.99    100.8    62.99    104.69   128.79
;
;Full street, width = 8.5m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.23m.
NC 0.025    0.025    0.013
X1 ROW_14m          7        4        12.5     0.0      0.0      0.0      0.0      0.0
GR 0.23     0        0.15     4        0        4        0.13     8.25     0        12.5
GR 0.15     12.5     0.18     14
;
;Full street, width = 8.5m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.23m.
NC 0.025    0.025    0.013
X1 ROW_14m_Mountable  7        4        12.5     0.0      0.0      0.0      0.0      0.0
GR 0.155    0        0.075    4        0        4        0.13     8.25     0        12.5
GR 0.075    12.5     0.105    14
;
NC 0.025    0.025    0.013
X1 ROW_14m_PH3      7        2.75     11.25    0.0      0.0      0.0      0.0      0.0
GR 0.23     0        0.15     2.75     0        2.75     0.13     7        0        11.25
GR 0.15     11.25    0.23     14
;
;Full street, width = 8.5m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.23m.
NC 0.025    0.025    0.013
X1 ROW_14m-MB_1     7        4        12.5     0.0      0.0      0.0      0.0      0.0
GR 0.155    0        0.075    4        0        4        0.13     8.25     0        12.5
GR 0.15     12.5     0.18     14
;
;Full street, width = 8.5m, curb = 0.075m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.155m.
NC 0.025    0.025    0.013
X1 ROW_16.5m_Mountable  7        4        12.5     0.0      0.0      0.0      0.0      0.0
GR 0.16     0        0.08     4        0        4        0.13     8.25     0        12.5
GR 0.08     12.5     0.16     16.5
;
NC 0.025    0.025    0.013
X1 ROW_16.5m_PH3    7        4        12.5     0.0      0.0      0.0      0.0      0.0
GR 0.27     0        0.15     4        0        4        0.13     8.25     0        12.5
GR 0.15     12.5     0.27     16.5
;
;Full street, width = 8.5m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.245m.
NC 0.025    0.025    0.013
X1 ROW_18m          7        4.75     13.25    0.0      0.0      0.0      0.0      0.0
GR 0.25     0        0.15     4.75     0        4.75     0.13     9        0        13.25
GR 0.15     13.25    0.25     18
;
NC 0.025    0.025    0.013
X1 ROW_18m_MB_1     7        4.75     13.25    0.0      0.0      0.0      0.0      0.0
GR 0.17     0        0.075    4.75     0        4.75     0.13     9        0        13.25
GR 0.15     13.25    0.245    18
;
NC 0.025    0.025    0.013
X1 ROW_18m_MB_2     7        4.75     13.25    0.0      0.0      0.0      0.0      0.0
GR 0.245    0        0.15     4.75     0        4.75     0.13     9        0        13.25
GR 0.075    13.25    0.17     18
;
;Full street, width = 8.5m, curb = 0.075m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.17m.
NC 0.025    0.025    0.013
X1 ROW_18m_Mountable  7        4.75     13.25    0.0      0.0      0.0      0.0      0.0
GR 0.17     0        0.08     4.75     0        4.75     0.13     9        0        13.25
GR 0.08     13.25    0.17     18
;
NC 0.025    0.025    0.013
X1 ROW_18m_PH3      7        4.75     13.25    0.0      0.0      0.0      0.0      0.0
GR 0.29     0        0.15     4.75     0        4.75     0.13     9        0        13.25
GR 0.15     13.25    0.29     18
;
;Full street, width = 8.5m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.265m.
NC 0.025    0.025    0.013
X1 ROW_20m          7        5.75     14.25    0.0      0.0      0.0      0.0      0.0
GR 0.265    0        0.15     5.75     0        5.75     0.1275   10       0        14.25
GR 0.15     14.25    0.265    20
;
;Full street, width = 11m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.26m.
NC 0.025    0.025    0.013
X1 ROW_22m          7        5.5      16.5     0.0      0.0      0.0      0.0      0.0
GR 0.26     0        0.15     5.5      0        5.5      0.17     11       0        16.5
GR 0.15     16.5     0.26     22
;
;Full street, width = 7.0m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.32m.
NC 0.025    0.025    0.013
X1 ROW_24m          7        8.5      15.5     0.0      0.0      0.0      0.0      0.0
GR 0.32     0        0.15     8.5      0        8.5      0.1      12       0        15.5
GR 0.15     15.5     0.32     24
;
;Based on cross section shown on Figure 4A
NC 0.025    0.025    0.013
X1 ROW_24m_1        8        8.5      18       0.0      0.0      0.0      0.0      0.0
GR 0.395    0        0.225    8.5      0.075    8.5      0.18     12       0.075    15.5
GR 0        18       0.15     18       0.27     24
;
;Full street, width = 9.5m, curb = 0.15m , cross-slope = 0.03m/m, bank-slope = 0.02m/m, bank-height = 0.32m.
NC 0.025    0.025    0.013
X1 ROW_24m_Parking  7        8.5      18       0.0      0.0      0.0      0.0      0.0
GR 0.4      0        0.23     8.5      0        8.5      0.18     12       0        18
GR 0.15     18       0.27     24
;
NC 0.025    0.025    0.013
X1 ROW_26m          7        7.5      18.5     0.0      0.0      0.0      0.0      0.0
GR 0.3      0        0.15     7.5      0        7.5      0.17     13       0        18.5
GR 0.15     18.5     0.3      26
;
NC 0.025    0.025    0.025
X1 Upstream1        27       11       16.5     0.0      0.0      0.0      0.0      0.0
GR 104.975  10       104.956  10.5     104.947  11       104.795  11.5     104.503  12
GR 104.392  12.5     104.395  13       104.369  13.5     104.38   14       104.399  14.5
GR 104.367  15       104.55   15.5     104.92   16       105.076  16.5     105.107  17
GR 105.181  17.5     105.224  18       105.252  18.5     105.255  19       105.269  19.5
GR 105.315  20       105.341  20.5     105.352  21       105.372  21.5     105.382  22
GR 105.401  22.5     105.405  23
;
NC 0.025    0.025    0.025
X1 Upstream2        29       12       17.5     0.0      0.0      0.0      0.0      0.0
GR 104.907  10       104.882  10.5     104.836  11       104.798  11.5     104.755  12
GR 104.652  12.5     104.571  13       104.444  13.5     104.324  14       104.346  14.5
GR 104.488  15       104.616  15.5     104.704  16       104.823  16.5     104.887  17
GR 104.94   17.5     105.082  18       105.133  18.5     105.218  19       105.254  19.5
GR 105.29   20       105.311  20.5     105.324  21       105.334  21.5     105.364  22
GR 105.381  22.5     105.401  23       105.417  23.5     105.423  24
;
NC 0.025    0.025    0.025
X1 Upstream3        27       12.5     20       0.0      0.0      0.0      0.0      0.0
GR 103.883  12       103.87   12.5     103.801  13       103.73   13.5     103.599  14
GR 103.469  14.5     103.516  15       103.673  15.5     103.703  16       103.756  16.5
GR 103.866  17       103.988  17.5     104.041  18       104.181  18.5     104.232  19
GR 104.327  19.5     104.377  20       104.378  20.5     104.384  21       104.401  21.5
GR 104.439  22       104.484  22.5     104.497  23       104.522  23.5     104.533  24
GR 104.541  24.5     104.541  25
;
NC 0.025    0.025    0.025
X1 Upstream4        28       12.5     18       0.0      0.0      0.0      0.0      0.0
GR 102.76   11.5     102.753  12       102.721  12.5     102.662  13       102.549  13.5
GR 102.547  14       102.52   14.5     102.411  15       102.32   15.5     102.325  16
GR 102.42   16.5     102.61   17       102.84   17.5     102.949  18       102.945  18.5
GR 103.146  19       103.221  19.5     103.245  20       103.327  20.5     103.369  21
GR 103.42   21.5     103.446  22       103.462  22.5     103.481  23       103.492  23.5
GR 103.498  24       103.511  24.5     103.516  25
;
NC 0.025    0.025    0.025
X1 Upstream5        31       13       21       0.0      0.0      0.0      0.0      0.0
GR 102.284  10.5     102.279  11       102.263  11.5     102.244  12       102.191  12.5
GR 102.181  13       102.096  13.5     101.988  14       101.809  14.5     101.714  15
GR 101.588  15.5     101.512  16       101.495  16.5     101.567  17       101.593  17.5
GR 101.727  18       102.028  18.5     102.112  19       102.196  19.5     102.23   20
GR 102.303  20.5     102.334  21       102.338  21.5     102.38   22       102.459  22.5
GR 102.497  23       102.502  23.5     102.517  24       102.529  24.5     102.548  25
GR 102.552  25.5
;
NC 0.025    0.025    0.025
X1 Upstream6        35       11.5     24.5     0.0      0.0      0.0      0.0      0.0
GR 101.519  10.5     101.427  11       101.44   11.5     101.362  12       101.167  12.5
GR 101.095  13       101.096  13.5     100.989  14       100.862  14.5     100.78   15
GR 100.611  15.5     100.546  16       100.483  16.5     100.461  17       100.469  17.5
GR 100.568  18       100.681  18.5     100.767  19       100.99   19.5     101.065  20
GR 101.154  20.5     101.202  21       101.236  21.5     101.267  22       101.287  22.5
GR 101.329  23       101.422  23.5     101.458  24       101.486  24.5     101.49   25
GR 101.499  25.5     101.5    26       101.503  26.5     101.508  27       101.519  27.5

[LOSSES]
;;Link              Kentry     Kexit      Kavg       Flap Gate  Seepage
;;----------------- ---------- ---------- ---------- ---------- ----------
C-STRM-1_(1)_(1)_(C-STRM) 0 1.02       0          NO         0
C-STRM-1_(1)_(C-STRM) 0     1.02       0          NO         0
C-STRM-1_(C-STRM) 0         1.02       0          NO         0
C-STRM-100_(C-STRM) 0       1.02       0          NO         0
C-STRM-102_(C-STRM) 0       0.155      0          NO         0
C-STRM-105_(C-STRM) 0       0.82       0          NO         0
C-STRM-106_(C-STRM) 0       1.02       0          NO         0
C-STRM-107_(1)_(C-STRM) 0   1.02       0          NO         0
C-STRM-107_(C-STRM) 0       0.35       0          NO         0
C-STRM-2_(1)_(C-STRM) 0     1.02       0          NO         0
C-STRM-2_(C-STRM) 0         0.04       0          NO         0
C-STRM-20_(C-STRM) 0        0.04       0          NO         0
C-STRM-21_(C-STRM) 0        1.02       0          NO         0
C-STRM-22_(1)_(C-STRM) 0    0.04       0          NO         0
C-STRM-22_(C-STRM) 0        0.04       0          NO         0
C-STRM-23_(C-STRM) 0        1.02       0          NO         0
C-STRM-26_(1)_(C-STRM) 0    1.02       0          NO         0
C-STRM-26_(C-STRM) 0        1.02       0          NO         0
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) 0 1.02 0     NO         0
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) 0 1.02 0         NO         0
C-STRM-3_(1)_(1)_(1)_(C-STRM) 0 1.02       0       NO         0
C-STRM-3_(1)_(1)_(C-STRM) 0 1.02           0       NO         0
C-STRM-3_(1)_(2)_(C-STRM) 0 0.04           0       NO         0
C-STRM-3_(1)_(C-STRM) 0     0.09           0       NO         0
C-STRM-33_(1)_(C-STRM) 0    0.64           0       NO         0
C-STRM-33_(C-STRM) 0        0.09           0       NO         0
C-STRM-34_(1)_(1)_(C-STRM) 0 0.04          0       NO         0
C-STRM-34_(1)_(C-STRM) 0    1.02           0       NO         0
C-STRM-35_(1)_(C-STRM) 0    0.04           0       NO         0
C-STRM-35_(C-STRM) 0        0.04           0       NO         0
C-STRM-4_(1)_(C-STRM) 0     1.02           0       NO         0
C-STRM-4_(C-STRM) 0         1.02           0       NO         0
C-STRM-46_(1)_(1)_(C-STRM) 0 0.35          0       NO         0
C-STRM-46_(1)_(C-STRM) 0    1.02           0       NO         0
C-STRM-49_(C-STRM) 0        1.02           0       NO         0
C-STRM-50_(C-STRM) 0        1.02           0       NO         0
C-STRM-51_(C-STRM) 0        1.02           0       NO         0
C-STRM-52_(C-STRM) 0        1.02           0       NO         0
C-STRM-53_(C-STRM) 0        1.02           0       NO         0
C-STRM-57_(C-STRM) 0        1.02           0       NO         0
C-STRM-60_(C-STRM) 0        1.02           0       NO         0
C-STRM-62_(C-STRM) 0        0.09           0       NO         0
C-STRM-63_(C-STRM) 0        0.09           0       NO         0
C-STRM-64_(C-STRM) 0        1.02           0       NO         0
C-STRM-76_(C-STRM) 0        1.02           0       NO         0
C-STRM-77_(C-STRM) 0        1.02           0       NO         0
C-STRM-78_(C-STRM) 0        1.02           0       NO         0
C-STRM-79_(1)_(C-STRM) 0    1.02           0       NO         0
C-STRM-79_(C-STRM) 0        0.04           0       NO         0
C-STRM-8_(1)_(C-STRM) 0     1.02           0       NO         0
C-STRM-8_(C-STRM) 0         1.02           0       NO         0
C-STRM-80_(C-STRM) 0        0.04           0       NO         0
C-STRM-81_(C-STRM) 0        1.02           0       NO         0
C-STRM-83_(1)_(C-STRM) 0    0.04           0       NO         0
C-STRM-84_(C-STRM) 0        1.02           0       NO         0
C-STRM-87_(C-STRM) 0        0.04           0       NO         0
ST4-Pipe_-_(99)_(P-Stm) 0   1.32           0       NO         0

[INFLOWS]
;;Node           Constituent      Time Series      Type     Mfactor  Sfactor  Baseline Pattern
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;;-------------- ---------------- ---------------- -------- -------- -------- -------- -------
-
POND_(C-STRM)     FLOW             24SCS002_QUINNS_OVERLAND-INFLOW FLOW     1.0      1        0

[CURVES]
;;Name           Type       X-Value    Y-Value
;;-------------- ---------- ---------- ----------
;5-Year Rational Flow
C_502-OGS        Rating     0          0
C_502-OGS                   0.01       0.092
C_502-OGS                   0.5        0.092

;5-Year Rational Flow
C_503-502        Rating     0          0
C_503-502                   0.01       0.087
C_503-502                   0.5        0.087

;2-Year Rational Flow, Tc 10 mins
C_503-502_Park   Rating     0          0
C_503-502_Park              0.01       0.154
C_503-502_Park              0.5        0.154

;5-Year Rational Flow
C_504-503        Rating     0          0
C_504-503                   0.01       0.062
C_504-503                   0.5        0.062

;5-Year Rational Flow
C_505-504        Rating     0          0
C_505-504                   0.01       0.086
C_505-504                   0.5        0.086

;5-Year Rational Flow
C_506-505        Rating     0          0
C_506-505                   0.01       0.242
C_506-505                   0.5        0.242

;5-Year Rational Flow
C_511-510        Rating     0          0
C_511-510                   0.01       0.056
C_511-510                   0.5        0.056

;5-Year Rational Flow
C_513-512        Rating     0          0
C_513-512                   0.01       0.215
C_513-512                   0.5        0.215

;5-Year Rational Flow
C_518-517        Rating     0          0
C_518-517                   0.01       0.342
C_518-517                   0.5        0.342

;5-Year Rational Flow
C_520-519        Rating     0          0
C_520-519                   0.01       0.123
C_520-519                   0.5        0.123

;5-year Rational Flow
C_522-523        Rating     0          0
C_522-523                   0.01       0.088
C_522-523                   0.5        0.088

;2-Year Rational Flow, Tc (13.69) From DS
C_525-MTD        Rating     0          0
C_525-MTD                   0.01       0.192
C_525-MTD                   0.5        0.192

;2-Year Rational Flow, Tc (12.47) From DS
C_528-525        Rating     0          0
C_528-525                   0.01       0.211
C_528-525                   0.5        0.211

;2-Year Rational Flow, Tc (12.39) From DS
C_532-528        Rating     0          0
C_532-528                   0.01       0.107
C_532-528                   0.5        0.107

;2-Year Rational Flow, Tc(13.62)  from DS
C_536-532        Rating     0          0
C_536-532                   0.01       0.222
C_536-532                   0.5        0.222

;2-Year Rational Flow, Tc From DS - took longest in pipe time + 10 mins (10+2.15)
C_540-536        Rating     0          0
C_540-536                   0.01       0.113
C_540-536                   0.5        0.113

;2-Year Rational Flow, Tc (15.49)  from DS
C_541-540        Rating     0          0
C_541-540                   0.01       0.378
C_541-540                   0.5        0.378

;5-Year Rational Flow
C_552-551        Rating     0          0
C_552-551                   0.01       0.048
C_552-551                   0.5        0.048

;5-Year Rational Flow
C_553-552        Rating     0          0
C_553-552                   0.01       0.197
C_553-552                   0.05       0.197

;2-Year Rational Flow, Tc From DS
C_604-603        Rating     0          0
C_604-603                   0.01       0.294
C_604-603                   0.5        0.294

;2-Year Rational Flow, Tc (17.51) From DS
C_605-604        Rating     0          0
C_605-604                   0.01       0.664
C_605-604                   0.5        0.664

;2-Year Rational Flow, Tc (12.02) from DS
C_620-619        Rating     0          0
C_620-619                   0.01       0.233
C_620-619                   0.5        0.233

;2-Year Rational Flow, Tc of 10
C_622-619        Rating     0          0
C_622-619                   0.01       0.175
C_622-619                   0.5        0.175

;2-Year Rational Flow, Tc (13.93)  taken from DS
C_623-622        Rating     0          0
C_623-622                   0.01       0.248
C_623-622                   0.5        0.248

;2-Year Rational Flow (10 mins Tc)
C_624-623_WOODLOT Rating    0          0
C_624-623_WOODLOT           0.01       0.141
C_624-623_WOODLOT           0.5        0.141

;2-Year Rational Flow, Tc (10.67) Based on DS
C_627-630        Rating     0          0
C_627-630                   0.01       0.099
C_627-630                   0.5        0.099

;2-Year Rational Flow
C_630A-630       Rating     0          0
C_630A-630                  0.01       0.08
C_630A-630                  0.5        0.08

;5-year Rational Flow, Tc (15mins) from DS
C_630A-630_Industrial Rating    0          0
C_630A-630_Industrial           0.01       2.455
C_630A-630_Industrial           0.5        2.455

;2-year rational flow, Tc from DS (12.99)
C_633-634        Rating     0          0
C_633-634                   0.1        0.126
C_633-634                   0.5        0.126

;2-year Rational Flow, Tc (14.11) from DS
C_637-643        Rating     0          0
C_637-643                   0.01       0.374
C_637-643                   0.5        0.374

;2-Year Rational Flow
C_645-630A       Rating     0          0
C_645-630A                  0.01       0.021
C_645-630A                  0.5        0.021

;2 Year Rational Flow
C_646-645        Rating     0          0
C_646-645                   0.01       0.056
C_646-645                   0.5        0.056

;2-Year Rational Flow
C_647-646        Rating     0          0
C_647-646                   0.01       0.014
C_647-646                   0.5        0.014

;2-Year Rational Flow
C_650-647        Rating     0          0
C_650-647                   0.01       0.034
C_650-647                   0.5        0.034

;2-year Rational Flow, Tc (12.30)  based on DS sum of tc within Drainage area starting at 619
+ 10 mins
C_652-604        Rating     0          0
C_652-604                   0.01       0.264
C_652-604                   0.5        0.264

;5-Year Rational Flow - Tc (18.20) from DS
C_680-647_Industrial Rating     0          0
C_680-647_Industrial            0.01       0.529
C_680-647_Industrial            0.5        0.529

DI_GRATE_A_OPSD403.01 Rating     0.02       0.00762
DI_GRATE_A_OPSD403.01            0.04       0.01524
DI_GRATE_A_OPSD403.01            0.08       0.0381
DI_GRATE_A_OPSD403.01            0.12       0.06858
DI_GRATE_A_OPSD403.01            0.2        0.1524
DI_GRATE_A_OPSD403.01            0.26       0.23622
DI_GRATE_A_OPSD403.01            0.36       0.4572
DI_GRATE_A_OPSD403.01            0.46       0.6858

DI_GRATE_C_OPSD403.01 Rating     0.02       0.01465
DI_GRATE_C_OPSD403.01            0.04       0.0293
DI_GRATE_C_OPSD403.01            0.08       0.07325
DI_GRATE_C_OPSD403.01            0.12       0.13185
DI_GRATE_C_OPSD403.01            0.2        0.293
DI_GRATE_C_OPSD403.01            0.26       0.45415
DI_GRATE_C_OPSD403.01            0.36       0.879
DI_GRATE_C_OPSD403.01            0.46       1.3185

Dry_Pond         Rating     0          0
Dry_Pond                    0.1        0.49
Dry_Pond                    1.5        0.49

;L/s/m2
IsolatorRowPercolation Rating     0          0
IsolatorRowPercolation            1.518      1.121

;Reversed Flow from rear yard manhole_Lid to the Street
Manhole_Lid      Rating     0          0
Manhole_Lid                 0.11       0
Manhole_Lid                 0.2        0.187
Manhole_Lid                 0.3        0.395
Manhole_Lid                 0.4        0.602
Manhole_Lid                 0.5        0.81
Manhole_Lid                 0.6        1.018
Manhole_Lid                 0.7        1.225
Manhole_Lid                 0.8        1.433
Manhole_Lid                 0.9        1.641
Manhole_Lid                 1          1.848

;Tempest Rating Curve for MHF IPEX TYPE A, No grate allowance
MHF_IPEX_TYPE_A  Rating     0          0
MHF_IPEX_TYPE_A             0.1        0.0057
MHF_IPEX_TYPE_A             0.2        0.0081
MHF_IPEX_TYPE_A             0.3        0.0099
MHF_IPEX_TYPE_A             0.4        0.0114
MHF_IPEX_TYPE_A             0.5        0.0128
MHF_IPEX_TYPE_A             0.6        0.014
MHF_IPEX_TYPE_A             0.7        0.0151
MHF_IPEX_TYPE_A             0.8        0.0162
MHF_IPEX_TYPE_A             0.9        0.0172
MHF_IPEX_TYPE_A             1          0.0181
MHF_IPEX_TYPE_A             1.2        0.0198
MHF_IPEX_TYPE_A             1.4        0.0214
MHF_IPEX_TYPE_A             1.6        0.0229
MHF_IPEX_TYPE_A             1.8        0.0243
MHF_IPEX_TYPE_A             2          0.0256
MHF_IPEX_TYPE_A             2.5        0.0286
MHF_IPEX_TYPE_A             3          0.0313

;Tempest Rating Curve for MHF IPEX TYPE B, No grate allowance
MHF_IPEX_TYPE_B  Rating     0          0
MHF_IPEX_TYPE_B             0.1        0.0081
MHF_IPEX_TYPE_B             0.2        0.0115
MHF_IPEX_TYPE_B             0.3        0.0141
MHF_IPEX_TYPE_B             0.4        0.0162
MHF_IPEX_TYPE_B             0.5        0.0182
MHF_IPEX_TYPE_B             0.6        0.0199
MHF_IPEX_TYPE_B             0.7        0.0215
MHF_IPEX_TYPE_B             0.8        0.023
MHF_IPEX_TYPE_B             0.9        0.0244
MHF_IPEX_TYPE_B             1          0.0257
MHF_IPEX_TYPE_B             1.2        0.0281
MHF_IPEX_TYPE_B             1.4        0.0304
MHF_IPEX_TYPE_B             1.6        0.0325
MHF_IPEX_TYPE_B             1.8        0.0344
MHF_IPEX_TYPE_B             2          0.0363
MHF_IPEX_TYPE_B             2.5        0.0406
MHF_IPEX_TYPE_B             3          0.0445

;Tempest Rating Curve for MHF IPEX TYPE C, No grate allowance
MHF_IPEX_TYPE_C  Rating     0          0
MHF_IPEX_TYPE_C             0.1        0.0106
MHF_IPEX_TYPE_C             0.2        0.015
MHF_IPEX_TYPE_C             0.3        0.0183
MHF_IPEX_TYPE_C             0.4        0.0212
MHF_IPEX_TYPE_C             0.5        0.0237
MHF_IPEX_TYPE_C             0.6        0.0259
MHF_IPEX_TYPE_C             0.7        0.028
MHF_IPEX_TYPE_C             0.8        0.0299
MHF_IPEX_TYPE_C             0.9        0.0317
MHF_IPEX_TYPE_C             1          0.0335
MHF_IPEX_TYPE_C             1.2        0.0366
MHF_IPEX_TYPE_C             1.4        0.0396
MHF_IPEX_TYPE_C             1.6        0.0423
MHF_IPEX_TYPE_C             1.8        0.0449
MHF_IPEX_TYPE_C             2          0.0473
MHF_IPEX_TYPE_C             2.5        0.0529
MHF_IPEX_TYPE_C             3          0.0579

;Tempest Rating Curve for MHF IPEX TYPE D, No grate allowance
MHF_IPEX_TYPE_D  Rating     0          0
MHF_IPEX_TYPE_D             0.1        0.0154
MHF_IPEX_TYPE_D             0.2        0.0217
MHF_IPEX_TYPE_D             0.3        0.0266
MHF_IPEX_TYPE_D             0.4        0.0307
MHF_IPEX_TYPE_D             0.5        0.0343
MHF_IPEX_TYPE_D             0.6        0.0376
MHF_IPEX_TYPE_D             0.7        0.0406
MHF_IPEX_TYPE_D             0.8        0.0434
MHF_IPEX_TYPE_D             0.9        0.0461
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MHF_IPEX_TYPE_D             1           0.0485
MHF_IPEX_TYPE_D             1.2         0.0532
MHF_IPEX_TYPE_D             1.4         0.0574
MHF_IPEX_TYPE_D             1.6         0.0614
MHF_IPEX_TYPE_D             1.8         0.0651
MHF_IPEX_TYPE_D             2           0.0687
MHF_IPEX_TYPE_D             2.5         0.0768
MHF_IPEX_TYPE_D             3           0.0841

;Tempest Rating Curve for MHF IPEX TYPE E, No grate allowance
MHF_IPEX_TYPE_E  Rating     0           0
MHF_IPEX_TYPE_E             0.1         0.0205
MHF_IPEX_TYPE_E             0.2         0.0289
MHF_IPEX_TYPE_E             0.3         0.0355
MHF_IPEX_TYPE_E             0.4         0.0409
MHF_IPEX_TYPE_E             0.5         0.0458
MHF_IPEX_TYPE_E             0.6         0.0501
MHF_IPEX_TYPE_E             0.7         0.0542
MHF_IPEX_TYPE_E             0.8         0.0579
MHF_IPEX_TYPE_E             0.9         0.0614
MHF_IPEX_TYPE_E             1           0.0647
MHF_IPEX_TYPE_E             1.2         0.0709
MHF_IPEX_TYPE_E             1.4         0.0766
MHF_IPEX_TYPE_E             1.6         0.0819
MHF_IPEX_TYPE_E             1.8         0.0868
MHF_IPEX_TYPE_E             2           0.0915
MHF_IPEX_TYPE_E             2.5         0.1023
MHF_IPEX_TYPE_E             3           0.1121

;2-year Rational, 10 mins Tc
Park_Rear_Yards  Rating     0           0
Park_Rear_Yards             0.01        0.022
Park_Rear_Yards             0.5         0.022

;Tempest Rating Curve for Vortex ICD 100, No grate allowance
Vortex_ICD_100   Rating     0           0
Vortex_ICD_100              0.1         0.0028
Vortex_ICD_100              0.2         0.004
Vortex_ICD_100              0.3         0.0049
Vortex_ICD_100              0.4         0.0056
Vortex_ICD_100              0.5         0.0063
Vortex_ICD_100              0.6         0.0069
Vortex_ICD_100              0.7         0.0075
Vortex_ICD_100              0.8         0.008
Vortex_ICD_100              0.9         0.0085
Vortex_ICD_100              1           0.0089
Vortex_ICD_100              1.2         0.0098
Vortex_ICD_100              1.4         0.0106
Vortex_ICD_100              1.6         0.0113
Vortex_ICD_100              1.8         0.012
Vortex_ICD_100              2           0.0126
Vortex_ICD_100              2.5         0.0141
Vortex_ICD_100              3           0.0155

;Tempest Rating Curve for Vortex ICD 105, No grate allowance
Vortex_ICD_105   Rating     0           0
Vortex_ICD_105              0.1         0.0031
Vortex_ICD_105              0.2         0.0044
Vortex_ICD_105              0.3         0.0054
Vortex_ICD_105              0.4         0.0062
Vortex_ICD_105              0.5         0.0069
Vortex_ICD_105              0.6         0.0076
Vortex_ICD_105              0.7         0.0082
Vortex_ICD_105              0.8         0.0088
Vortex_ICD_105              0.9         0.0093
Vortex_ICD_105              1           0.0098
Vortex_ICD_105              1.2         0.0107
Vortex_ICD_105              1.4         0.0116
Vortex_ICD_105              1.6         0.0124
Vortex_ICD_105              1.8         0.0131
Vortex_ICD_105              2           0.0139
Vortex_ICD_105              2.5         0.0155
Vortex_ICD_105              3           0.017

;Tempest Rating Curve for Vortex ICD 40, No grate allowance
Vortex_ICD_40    Rating     0           0
Vortex_ICD_40               0.1         0.0004
Vortex_ICD_40               0.2         0.0006
Vortex_ICD_40               0.3         0.0007
Vortex_ICD_40               0.4         0.0009
Vortex_ICD_40               0.5         0.001
Vortex_ICD_40               0.6         0.001
Vortex_ICD_40               0.7         0.0011
Vortex_ICD_40               0.8         0.0012
Vortex_ICD_40               0.9         0.0013
Vortex_ICD_40               1           0.0014
Vortex_ICD_40               1.2         0.0015
Vortex_ICD_40               1.4         0.0016
Vortex_ICD_40               1.6         0.0017
Vortex_ICD_40               1.8         0.0018
Vortex_ICD_40               2           0.0019
Vortex_ICD_40               2.5         0.0022
Vortex_ICD_40               3           0.0024

;Tempest Rating Curve for Vortex ICD 45, No grate allowance
Vortex_ICD_45    Rating     0           0
Vortex_ICD_45               0.1         0.0006
Vortex_ICD_45               0.2         0.0008
Vortex_ICD_45               0.3         0.001
Vortex_ICD_45               0.4         0.0011
Vortex_ICD_45               0.5         0.0013
Vortex_ICD_45               0.6         0.0014
Vortex_ICD_45               0.7         0.0015
Vortex_ICD_45               0.8         0.0016
Vortex_ICD_45               0.9         0.0017
Vortex_ICD_45               1           0.0018
Vortex_ICD_45               1.2         0.002
Vortex_ICD_45               1.4         0.0021
Vortex_ICD_45               1.6         0.0023
Vortex_ICD_45               1.8         0.0024
Vortex_ICD_45               2           0.0026
Vortex_ICD_45               2.5         0.0029
Vortex_ICD_45               3           0.0031

;Tempest Rating Curve for Vortex ICD 50, No grate allowance
Vortex_ICD_50    Rating     0           0
Vortex_ICD_50               0.1         0.0007
Vortex_ICD_50               0.2         0.001
Vortex_ICD_50               0.3         0.0012
Vortex_ICD_50               0.4         0.0014
Vortex_ICD_50               0.5         0.0016
Vortex_ICD_50               0.6         0.0018
Vortex_ICD_50               0.7         0.0019
Vortex_ICD_50               0.8         0.002
Vortex_ICD_50               0.9         0.0021
Vortex_ICD_50               1           0.0023
Vortex_ICD_50               1.2         0.0025
Vortex_ICD_50               1.4         0.0027
Vortex_ICD_50               1.6         0.0029
Vortex_ICD_50               1.8         0.003
Vortex_ICD_50               2           0.0032
Vortex_ICD_50               2.5         0.0036
Vortex_ICD_50               3           0.0039

;Tempest Rating Curve for Vortex ICD 55, No grate allowance
Vortex_ICD_55    Rating     0           0
Vortex_ICD_55               0.1         0.0009
Vortex_ICD_55               0.2         0.0012
Vortex_ICD_55               0.3         0.0015
Vortex_ICD_55               0.4         0.0017
Vortex_ICD_55               0.5         0.0019
Vortex_ICD_55               0.6         0.0021
Vortex_ICD_55               0.7         0.0023
Vortex_ICD_55               0.8         0.0024
Vortex_ICD_55               0.9         0.0026
Vortex_ICD_55               1           0.0027
Vortex_ICD_55               1.2         0.003
Vortex_ICD_55               1.4         0.0032
Vortex_ICD_55               1.6         0.0034
Vortex_ICD_55               1.8         0.0036
Vortex_ICD_55               2           0.0038
Vortex_ICD_55               2.5         0.0043
Vortex_ICD_55               3           0.0047

;Tempest Rating Curve for Vortex ICD 60, No grate allowance
Vortex_ICD_60    Rating     0           0
Vortex_ICD_60               0.1         0.0011
Vortex_ICD_60               0.2         0.0015
Vortex_ICD_60               0.3         0.0018
Vortex_ICD_60               0.4         0.0021
Vortex_ICD_60               0.5         0.0023
Vortex_ICD_60               0.6         0.0025
Vortex_ICD_60               0.7         0.0027
Vortex_ICD_60               0.8         0.0029
Vortex_ICD_60               0.9         0.0031
Vortex_ICD_60               1           0.0032
Vortex_ICD_60               1.2         0.0036
Vortex_ICD_60               1.4         0.0038
Vortex_ICD_60               1.6         0.0041
Vortex_ICD_60               1.8         0.0043
Vortex_ICD_60               2           0.0046
Vortex_ICD_60               2.5         0.0051
Vortex_ICD_60               3           0.0056

;Tempest Rating Curve for Vortex ICD 65, No grate allowance
Vortex_ICD_65    Rating     0           0
Vortex_ICD_65               0.1         0.0012
Vortex_ICD_65               0.2         0.0016
Vortex_ICD_65               0.3         0.002
Vortex_ICD_65               0.4         0.0023
Vortex_ICD_65               0.5         0.0025
Vortex_ICD_65               0.6         0.0028
Vortex_ICD_65               0.7         0.003
Vortex_ICD_65               0.8         0.0032
Vortex_ICD_65               0.9         0.0034
Vortex_ICD_65               1           0.0036
Vortex_ICD_65               1.2         0.004
Vortex_ICD_65               1.4         0.0043
Vortex_ICD_65               1.6         0.0046
Vortex_ICD_65               1.8         0.0049
Vortex_ICD_65               2           0.0051
Vortex_ICD_65               2.5         0.0057
Vortex_ICD_65               3           0.0063

;Tempest Rating Curve for Vortex ICD 70, No grate allowance
Vortex_ICD_70    Rating     0           0
Vortex_ICD_70               0.1         0.0013
Vortex_ICD_70               0.2         0.0019
Vortex_ICD_70               0.3         0.0023
Vortex_ICD_70               0.4         0.0027
Vortex_ICD_70               0.5         0.003
Vortex_ICD_70               0.6         0.0033
Vortex_ICD_70               0.7         0.0036
Vortex_ICD_70               0.8         0.0038
Vortex_ICD_70               0.9         0.0041
Vortex_ICD_70               1           0.0043
Vortex_ICD_70               1.2         0.0047
Vortex_ICD_70               1.4         0.0051
Vortex_ICD_70               1.6         0.0055
Vortex_ICD_70               1.8         0.0058
Vortex_ICD_70               2           0.0061
Vortex_ICD_70               2.5         0.0068
Vortex_ICD_70               3           0.0075

;Tempest Rating Curve for Vortex ICD 75, No grate allowance
Vortex_ICD_75    Rating     0           0
Vortex_ICD_75               0.1         0.0016
Vortex_ICD_75               0.2         0.0022
Vortex_ICD_75               0.3         0.0027
Vortex_ICD_75               0.4         0.0032
Vortex_ICD_75               0.5         0.0035
Vortex_ICD_75               0.6         0.0039
Vortex_ICD_75               0.7         0.0042
Vortex_ICD_75               0.8         0.0045
Vortex_ICD_75               0.9         0.0048
Vortex_ICD_75               1           0.005
Vortex_ICD_75               1.2         0.0055
Vortex_ICD_75               1.4         0.0059
Vortex_ICD_75               1.6         0.0063
Vortex_ICD_75               1.8         0.0067
Vortex_ICD_75               2           0.0071
Vortex_ICD_75               2.5         0.0079
Vortex_ICD_75               3           0.0087

;Tempest Rating Curve for Vortex ICD 80, No grate allowance
Vortex_ICD_80    Rating     0           0
Vortex_ICD_80               0.1         0.0018
Vortex_ICD_80               0.2         0.0026
Vortex_ICD_80               0.3         0.0031
Vortex_ICD_80               0.4         0.0036
Vortex_ICD_80               0.5         0.004
Vortex_ICD_80               0.6         0.0044
Vortex_ICD_80               0.7         0.0048
Vortex_ICD_80               0.8         0.0051
Vortex_ICD_80               0.9         0.0054
Vortex_ICD_80               1           0.0057
Vortex_ICD_80               1.2         0.0063
Vortex_ICD_80               1.4         0.0068
Vortex_ICD_80               1.6         0.0072
Vortex_ICD_80               1.8         0.0077
Vortex_ICD_80               2           0.0081
Vortex_ICD_80               2.5         0.009
Vortex_ICD_80               3           0.0099

;Tempest Rating Curve for Vortex ICD 85, No grate allowance
Vortex_ICD_85    Rating     0           0
Vortex_ICD_85               0.1         0.002
Vortex_ICD_85               0.2         0.0029
Vortex_ICD_85               0.3         0.0035
Vortex_ICD_85               0.4         0.0041
Vortex_ICD_85               0.5         0.0045
Vortex_ICD_85               0.6         0.005
Vortex_ICD_85               0.7         0.0054
Vortex_ICD_85               0.8         0.0057
Vortex_ICD_85               0.9         0.0061
Vortex_ICD_85               1           0.0064
Vortex_ICD_85               1.2         0.007
Vortex_ICD_85               1.4         0.0076
Vortex_ICD_85               1.6         0.0081
Vortex_ICD_85               1.8         0.0086
Vortex_ICD_85               2           0.0091
Vortex_ICD_85               2.5         0.0101
Vortex_ICD_85               3           0.0111

;Tempest Rating Curve for Vortex ICD 90, No grate allowance
Vortex_ICD_90    Rating     0           0
Vortex_ICD_90               0.1         0.0022
Vortex_ICD_90               0.2         0.0032
Vortex_ICD_90               0.3         0.0039
Vortex_ICD_90               0.4         0.0045
Vortex_ICD_90               0.5         0.0051
Vortex_ICD_90               0.6         0.0055
Vortex_ICD_90               0.7         0.006
Vortex_ICD_90               0.8         0.0064
Vortex_ICD_90               0.9         0.0068
Vortex_ICD_90               1           0.0072
Vortex_ICD_90               1.2         0.0079
Vortex_ICD_90               1.4         0.0085
Vortex_ICD_90               1.6         0.0091
Vortex_ICD_90               1.8         0.0096
Vortex_ICD_90               2           0.0102
Vortex_ICD_90               2.5         0.0114
Vortex_ICD_90               3           0.0125

;Tempest Rating Curve for Vortex ICD 95, No grate allowance
Vortex_ICD_95    Rating     0           0
Vortex_ICD_95               0.1         0.0026
Vortex_ICD_95               0.2         0.0036
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Vortex_ICD_95                0.3         0.0044
Vortex_ICD_95                0.4         0.0051
Vortex_ICD_95                0.5         0.0057
Vortex_ICD_95                0.6         0.0062
Vortex_ICD_95                0.7         0.0067
Vortex_ICD_95                0.8         0.0071
Vortex_ICD_95                0.9         0.0076
Vortex_ICD_95                1           0.008
Vortex_ICD_95                1.2         0.0087
Vortex_ICD_95                1.4         0.0094
Vortex_ICD_95                1.6         0.0101
Vortex_ICD_95                1.8         0.0107
Vortex_ICD_95                2           0.0113
Vortex_ICD_95                2.5         0.0126
Vortex_ICD_95                3           0.0138

Filtration_POND  Storage     0           1821.8
Filtration_POND              0.01        1827.49
Filtration_POND              0.02        1833.17
Filtration_POND              0.03        1838.86
Filtration_POND              0.04        1844.56
Filtration_POND              0.05        1850.26
Filtration_POND              0.06        1855.97
Filtration_POND              0.07        1861.68
Filtration_POND              0.08        1867.4
Filtration_POND              0.09        1873.13
Filtration_POND              0.1         1878.87
Filtration_POND              0.11        1884.61
Filtration_POND              0.12        1890.36
Filtration_POND              0.13        1896.11
Filtration_POND              0.14        1901.87
Filtration_POND              0.15        1907.64
Filtration_POND              0.16        1913.41
Filtration_POND              0.17        1919.19
Filtration_POND              0.18        1924.98
Filtration_POND              0.19        1930.78
Filtration_POND              0.2         1936.58
Filtration_POND              0.21        1942.38
Filtration_POND              0.22        1948.2
Filtration_POND              0.23        1954.02
Filtration_POND              0.24        1959.84
Filtration_POND              0.25        1965.68
Filtration_POND              0.26        1971.52
Filtration_POND              0.27        1977.36
Filtration_POND              0.28        1983.22
Filtration_POND              0.29        1989.08
Filtration_POND              0.3         1994.94
Filtration_POND              0.31        2000.81
Filtration_POND              0.32        2006.69
Filtration_POND              0.33        2012.58
Filtration_POND              0.34        2018.47
Filtration_POND              0.35        2024.37
Filtration_POND              0.36        2030.28
Filtration_POND              0.37        2036.19
Filtration_POND              0.38        2042.11
Filtration_POND              0.39        2048.03
Filtration_POND              0.4         2053.97
Filtration_POND              0.41        2059.9
Filtration_POND              0.42        2065.85
Filtration_POND              0.43        2071.8
Filtration_POND              0.44        2077.76
Filtration_POND              0.45        2083.72
Filtration_POND              0.46        2089.69
Filtration_POND              0.47        2095.67
Filtration_POND              0.48        2101.66
Filtration_POND              0.49        2107.65
Filtration_POND              0.5         2113.65
Filtration_POND              0.51        2119.65
Filtration_POND              0.52        2125.66
Filtration_POND              0.53        2131.68
Filtration_POND              0.54        2137.7
Filtration_POND              0.55        2143.73
Filtration_POND              0.56        2149.77
Filtration_POND              0.57        2155.81
Filtration_POND              0.58        2161.86
Filtration_POND              0.59        2167.92
Filtration_POND              0.6         2173.98
Filtration_POND              0.61        2180.05
Filtration_POND              0.62        2186.13
Filtration_POND              0.63        2192.21
Filtration_POND              0.64        2198.3
Filtration_POND              0.65        2204.4
Filtration_POND              0.66        2210.5
Filtration_POND              0.67        2216.61
Filtration_POND              0.68        2222.73
Filtration_POND              0.69        2228.85
Filtration_POND              0.7         2234.98
Filtration_POND              0.71        2240.66
Filtration_POND              0.72        2246.33
Filtration_POND              0.73        2252
Filtration_POND              0.74        2257.67
Filtration_POND              0.75        2263.33
Filtration_POND              0.76        2268.99
Filtration_POND              0.77        2274.64
Filtration_POND              0.78        2280.28
Filtration_POND              0.79        2285.92
Filtration_POND              0.8         2291.56
Filtration_POND              0.81        2297.19
Filtration_POND              0.82        2302.82
Filtration_POND              0.83        2308.44
Filtration_POND              0.84        2314.06
Filtration_POND              0.85        2319.67
Filtration_POND              0.86        2325.28
Filtration_POND              0.87        2330.88
Filtration_POND              0.88        2336.48
Filtration_POND              0.89        2342.07
Filtration_POND              0.9         2347.66
Filtration_POND              0.91        2353.24
Filtration_POND              0.92        2358.82
Filtration_POND              0.93        2364.4
Filtration_POND              0.94        2369.97
Filtration_POND              0.95        2375.53
Filtration_POND              0.96        2381.09
Filtration_POND              0.97        2386.64
Filtration_POND              0.98        2392.19
Filtration_POND              0.99        2397.74
Filtration_POND              1           2403.28

INFIL_1          Storage     0           90
INFIL_1                      0.9         90
INFIL_1                      0.901       0
INFIL_1                      2.15        0

INFIL_2          Storage     0           90
INFIL_2                      0.9         90
INFIL_2                      0.901       0
INFIL_2                      2.15        0

;Represents the storage of Perforated Pipes
MH_300           Storage     0           899.812
MH_300                       0.41        899.812
MH_300                       0.42        1.13
MH_300                       10          1.13

;Represents the storage of Perforated Pipes
MH_302           Storage     0           765.752
MH_302                       0.41        765.752
MH_302                       0.42        1.13
MH_302                       10          1.13

;Represents the storage of Perforated Pipes
MH_304           Storage     0           155
MH_304                       1.01        155
MH_304                       1.02        1.13
MH_304                       10          1.13

;Represents the storage of Perforated Pipes
MH_320           Storage     0           776.567
MH_320                       0.41        776.567
MH_320                       0.42        1.13
MH_320                       10          1.13

;Represents the storage of Perforated Pipes
MH_322           Storage     0           363.575
MH_322                       0.41        363.575
MH_322                       0.42        1.13
MH_322                       10          1.13

;Represents the storage of Perforated Pipes
MH_323           Storage     0           834.664
MH_323                       0.41        834.664
MH_323                       0.42        1.13
MH_323                       10          1.13

;Represents the storage of Perforated Pipes
MH_330           Storage     0           915.702963
MH_330                       0.41        915.702963
MH_330                       0.42        1.13
MH_330                       10          1.13

;Represents the storage of Perforated Pipes
MH_332           Storage     0           1014.107
MH_332                       0.41        1014.107
MH_332                       0.42        1.13
MH_332                       10          1.13

;Represents the storage of Perforated Pipes
MH_334           Storage     0           979.695
MH_334                       0.41        979.695
MH_334                       0.42        1.13
MH_334                       10          1.13

MH104            Storage     0           362.605
MH104                        0.43        362.605
MH104                        0.44        1.13
MH104                        10          1.13

MH105            Storage     0           39.254
MH105                        0.43        39.254
MH105                        0.44        1.13
MH105                        10          1.13

MH105A           Storage     0           102.398
MH105A                       0.47        102.398
MH105A                       0.48        1.13
MH105A                       10          1.13

MH106            Storage     0           187.305
MH106                        0.43        187.305
MH106                        0.44        1.13
MH106                        10          1.13

MH108            Storage     0           216.638
MH108                        0.43        216.638
MH108                        0.44        1.13
MH108                        10          1.13

MH109            Storage     0           222.269
MH109                        0.43        222.269
MH109                        0.44        1.13
MH109                        10          1.13

MH110            Storage     0           197.102
MH110                        0.43        197.102
MH110                        0.44        1.13
MH110                        10          1.13

MH111            Storage     0           253.581
MH111                        0.43        253.581
MH111                        0.44        1.13
MH111                        10          1.13

MH112            Storage     0           210.826
MH112                        0.43        210.826
MH112                        0.44        1.13
MH112                        10          1.13

MH113            Storage     0           173.1375
MH113                        0.43        173.1375
MH113                        0.44        1.13
MH113                        10          1.13

MH114            Storage     0           122.95
MH114                        0.43        122.95
MH114                        0.44        1.13
MH114                        10          1.13

MH115            Storage     0           118.356
MH115                        0.46        118.356
MH115                        0.47        1.13
MH115                        10          1.13

MH115A           Storage     0           40.041
MH115A                       0.47        40.041
MH115A                       0.48        1.13
MH115A                       10          1.13

MH116            Storage     0           103.891
MH116                        0.47        103.891
MH116                        0.48        1.13
MH116                        10          1.13

MH117            Storage     0           101.402
MH117                        0.46        101.402
MH117                        0.47        1.13
MH117                        10          1.13

MH118            Storage     0           83.412
MH118                        0.47        83.412
MH118                        0.48        1.13
MH118                        10          1.13

MH120            Storage     0           131.188
MH120                        0.46        131.188
MH120                        0.47        1.13
MH120                        10          1.13

MH122            Storage     0           99.399
MH122                        0.46        99.399
MH122                        0.47        1.13
MH122                        10          1.13

MH123            Storage     0           54.162
MH123                        0.46        54.162
MH123                        0.47        1.13
MH123                        10          1.13

MH124            Storage     0           88.243
MH124                        0.47        88.243
MH124                        0.48        1.13
MH124                        10          1.13

MH125            Storage     0           7.764
MH125                        0.47        7.764
MH125                        0.48        1.13
MH125                        10          1.13

;EES Storage
MH308            Storage     0           61.5
MH308                        0.43        61.5
MH308                        0.44        1.13
MH308                        10          1.13

;EES Storage
MH309            Storage     0           124.79
MH309                        0.41        124.79
MH309                        0.42        1.13
MH309                        10          1.13
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;EES Storage
MH311           Storage   0         135.11
MH311                     0.43      135.11
MH311                     0.44      1.13
MH311                     10        1.13

;EES Storage
MH312           Storage   0         17.11
MH312                     0.43      17.11
MH312                     0.44      1.13
MH312                     10        1.13

;EES Storage
MH314           Storage   0         159.861
MH314                     0.43      159.861
MH314                     0.44      1.13
MH314                     10        1.13

;EES Storage
MH316           Storage   0         170.358
MH316                     0.42      170.358
MH316                     0.43      1.13
MH316                     10        1.13

;EES Storage
MH317           Storage   0         16.36
MH317                     0.43      16.36
MH317                     0.44      1.13
MH317                     10        1.13

;EES Storage
MH318           Storage   0         122.6
MH318                     0.43      122.6
MH318                     0.44      1.13
MH318                     10        1.13

;EES Storage
MH319           Storage   0         291.366
MH319                     0.41      291.366
MH319                     0.42      1.13
MH319                     10        1.13

;EES Storage
MH321           Storage   0         115.77
MH321                     0.43      115.77
MH321                     0.44      1.13
MH321                     10        1.13

;EES Storage
MH324           Storage   0         93.848
MH324                     0.43      93.848
MH324                     0.44      1.13
MH324                     10        1.13

;EES Storage
MH325           Storage   0         113.076
MH325                     0.42      113.076
MH325                     0.43      1.13
MH325                     10        1.13

;EES Storage
MH326           Storage   0         148.56
MH326                     0.4       148.56
MH326                     0.41      1.13
MH326                     10        1.13

;EES Storage
MH327           Storage   0         219.857
MH327                     0.4       219.857
MH327                     0.41      1.13
MH327                     10        1.13

;EES Storage
MH329           Storage   0         205.619
MH329                     0.4       205.619
MH329                     0.41      1.13
MH329                     10        1.13

;EES Storage
MH331           Storage   0         161.713
MH331                     0.4       161.713
MH331                     0.41      1.13
MH331                     10        1.13

;EES Storage
MH347           Storage   0         75.156
MH347                     0.43      75.156
MH347                     0.44      1.13
MH347                     10        1.13

;EES Storage
MH348           Storage   0         106.728
MH348                     0.43      106.728
MH348                     0.44      1.13
MH348                     10        1.13

;EES Storage
MH349           Storage   0         155.6
MH349                     0.43      155.6
MH349                     0.44      1.13
MH349                     10        1.13

;EES Storage
MH351           Storage   0         258.92
MH351                     0.4       258.92
MH351                     0.41      1.13
MH351                     10        1.13

;EES Storage
MH354           Storage   0         71.65
MH354                     0.4       71.65
MH354                     0.41      1.13
MH354                     10        1.13

;EES Storage
MH356           Storage   0         95.1
MH356                     0.42      95.1
MH356                     0.43      1.13
MH356                     10        1.13

North_Pond      Storage   0         12163
North_Pond                0.2       13445
North_Pond                0.4       13911
North_Pond                0.6       14383
North_Pond                0.8       14861
North_Pond                1         15345
North_Pond                1.2       15633
North_Pond                1.4       15913
North_Pond                1.6       16196
North_Pond                1.8       16482
North_Pond                2         16771

North_Pond_REV1 Storage   0         0
North_Pond_REV1           0.1       194
North_Pond_REV1           0.2       777
North_Pond_REV1           0.3       1835
North_Pond_REV1           0.4       7762
North_Pond_REV1           0.5       9920
North_Pond_REV1           0.6       10054
North_Pond_REV1           0.7       10190
North_Pond_REV1           0.8       10326
North_Pond_REV1           0.9       10463
North_Pond_REV1           1         10601
North_Pond_REV1           1.1       10739
North_Pond_REV1           1.2       10878
North_Pond_REV1           1.3       11019
North_Pond_REV1           1.4       11159
North_Pond_REV1           1.5       11301
North_Pond_REV1           1.6       11444
North_Pond_REV1           1.7       11587
North_Pond_REV1           1.8       11731
North_Pond_REV1           1.9       11876
North_Pond_REV1           2         12022
North_Pond_REV1           2.1       12168
North_Pond_REV1           2.2       12315
North_Pond_REV1           2.3       12540
North_Pond_REV1           2.4       12731
North_Pond_REV1           2.5       12931
North_Pond_REV1           2.6       13140
North_Pond_REV1           2.7       13361
North_Pond_REV1           2.8       13594
North_Pond_REV1           2.9       13839
North_Pond_REV1           3         14093
North_Pond_REV1           3.1       14358
North_Pond_REV1           3.2       14635
North_Pond_REV1           3.3       14926
North_Pond_REV1           3.4       15246
North_Pond_REV1           3.5       15596
North_Pond_REV1           3.6       16292
North_Pond_REV1           3.7       17007
North_Pond_REV1           3.8       17657

;Pond bottom slope  - 1.5%
North_Pond_REV2 Storage   0         4.16
North_Pond_REV2           0.1       141.5
North_Pond_REV2           0.2       156.97
North_Pond_REV2           0.3       1239.26
North_Pond_REV2           0.4       2276.22
North_Pond_REV2           0.5       3516.84
North_Pond_REV2           0.6       5126.66
North_Pond_REV2           0.7       6677.84
North_Pond_REV2           0.8       8170.4
North_Pond_REV2           0.9       9604.25
North_Pond_REV2           1         10837.64
North_Pond_REV2           1.1       11036.08
North_Pond_REV2           1.2       11235.69
North_Pond_REV2           1.3       11436.49
North_Pond_REV2           1.4       11638.46
North_Pond_REV2           1.5       11841.61
North_Pond_REV2           1.6       12045.93
North_Pond_REV2           1.7       12251.44
North_Pond_REV2           1.8       12458.12
North_Pond_REV2           1.9       12665.97
North_Pond_REV2           2         12880.46
North_Pond_REV2           2.1       13090.3
North_Pond_REV2           2.2       13301.08
North_Pond_REV2           2.3       13637.88
North_Pond_REV2           2.4       13903.9
North_Pond_REV2           2.5       14181.8
North_Pond_REV2           2.6       14473.79
North_Pond_REV2           2.7       14780.61
North_Pond_REV2           2.8       15101.01
North_Pond_REV2           2.9       15432.83
North_Pond_REV2           3         15778.33

POND_UPDATED    Storage   0         0
POND_UPDATED              0.01      1.26
POND_UPDATED              0.02      5.06
POND_UPDATED              0.03      11.38
POND_UPDATED              0.04      20.23
POND_UPDATED              0.05      31.77
POND_UPDATED              0.06      45.25
POND_UPDATED              0.07      59.42
POND_UPDATED              0.08      74.26
POND_UPDATED              0.09      89.8
POND_UPDATED              0.1       106.62
POND_UPDATED              0.11      125.04
POND_UPDATED              0.12      145.05
POND_UPDATED              0.13      166.63
POND_UPDATED              0.14      189.47
POND_UPDATED              0.15      214.1
POND_UPDATED              0.16      240.56
POND_UPDATED              0.17      268.7
POND_UPDATED              0.18      297.76
POND_UPDATED              0.19      328.55
POND_UPDATED              0.2       361.5
POND_UPDATED              0.21      396.11
POND_UPDATED              0.22      431.62
POND_UPDATED              0.23      468.5
POND_UPDATED              0.24      507.91
POND_UPDATED              0.25      548.86
POND_UPDATED              0.26      590.91
POND_UPDATED              0.27      634.13
POND_UPDATED              0.28      679.73
POND_UPDATED              0.29      726.93
POND_UPDATED              0.3       775.59
POND_UPDATED              0.31      825.69
POND_UPDATED              0.32      877.01
POND_UPDATED              0.33      930.31
POND_UPDATED              0.34      985.68
POND_UPDATED              0.35      1042.98
POND_UPDATED              0.36      1099.93
POND_UPDATED              0.37      1158.92
POND_UPDATED              0.38      1221.22
POND_UPDATED              0.39      1285.8
POND_UPDATED              0.4       1348.93
POND_UPDATED              0.41      1412.7
POND_UPDATED              0.42      1482.37
POND_UPDATED              0.43      1554.16
POND_UPDATED              0.44      1623.64
POND_UPDATED              0.45      1691.61
POND_UPDATED              0.46      1769.73
POND_UPDATED              0.47      1849.58
POND_UPDATED              0.48      1927
POND_UPDATED              0.49      2001.98
POND_UPDATED              0.5       2246.52
POND_UPDATED              0.51      2354.16
POND_UPDATED              0.52      2463.55
POND_UPDATED              0.53      2574.69
POND_UPDATED              0.54      2687.57
POND_UPDATED              0.55      2802.21
POND_UPDATED              0.56      2918.61
POND_UPDATED              0.57      3036.77
POND_UPDATED              0.58      3156.69
POND_UPDATED              0.59      3278.38
POND_UPDATED              0.6       3401.85
POND_UPDATED              0.61      3527.09
POND_UPDATED              0.62      3654.12
POND_UPDATED              0.63      3782.92
POND_UPDATED              0.64      3913.51
POND_UPDATED              0.65      4045.9
POND_UPDATED              0.66      4180.08
POND_UPDATED              0.67      4316.06
POND_UPDATED              0.68      4453.87
POND_UPDATED              0.69      4593.55
POND_UPDATED              0.7       4735.01
POND_UPDATED              0.71      4878.25
POND_UPDATED              0.72      5023.27
POND_UPDATED              0.73      5170.08
POND_UPDATED              0.74      5318.7
POND_UPDATED              0.75      5469.12
POND_UPDATED              0.76      5621.35
POND_UPDATED              0.77      5775.39
POND_UPDATED              0.78      5931.25
POND_UPDATED              0.79      6088.93
POND_UPDATED              0.8       6248.43
POND_UPDATED              0.81      6409.76
POND_UPDATED              0.82      6572.92
POND_UPDATED              0.83      6737.92
POND_UPDATED              0.84      6904.75
POND_UPDATED              0.85      7073.42
POND_UPDATED              0.86      7243.73
POND_UPDATED              0.87      7415.41
POND_UPDATED              0.88      7588.46
POND_UPDATED              0.89      7762.89
POND_UPDATED              0.9       7938.68
POND_UPDATED              0.91      8114.81
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POND_UPDATED                0.92       8290.2
POND_UPDATED                0.93       8464.88
POND_UPDATED                0.94       8638.82
POND_UPDATED                0.95       8812.04
POND_UPDATED                0.96       8984.53
POND_UPDATED                0.97       9156.3
POND_UPDATED                0.98       9327.34
POND_UPDATED                0.99       9497.66
POND_UPDATED                1          9667.25
POND_UPDATED                1.01       9836.11
POND_UPDATED                1.02       10004.25
POND_UPDATED                1.03       10171.67
POND_UPDATED                1.04       10338.34
POND_UPDATED                1.05       10504.27
POND_UPDATED                1.06       10669.45
POND_UPDATED                1.07       10833.88
POND_UPDATED                1.08       10997.56
POND_UPDATED                1.09       11160.5
POND_UPDATED                1.1        11322.68
POND_UPDATED                1.11       11484.12
POND_UPDATED                1.12       11644.8
POND_UPDATED                1.13       11804.75
POND_UPDATED                1.14       11963.99
POND_UPDATED                1.15       12122.54
POND_UPDATED                1.16       12280.41
POND_UPDATED                1.17       12437.57
POND_UPDATED                1.18       12594.03
POND_UPDATED                1.19       12749.77
POND_UPDATED                1.2        12904.8
POND_UPDATED                1.21       13059.12
POND_UPDATED                1.22       13212.73
POND_UPDATED                1.23       13365.62
POND_UPDATED                1.24       13517.8
POND_UPDATED                1.25       13669.27
POND_UPDATED                1.26       13820.03
POND_UPDATED                1.27       13970.07
POND_UPDATED                1.28       14119.4
POND_UPDATED                1.29       14267.99
POND_UPDATED                1.3        14415.72
POND_UPDATED                1.31       14562.56
POND_UPDATED                1.32       14708.52
POND_UPDATED                1.33       14853.59
POND_UPDATED                1.34       14997.79
POND_UPDATED                1.35       15141.1
POND_UPDATED                1.36       15283.52
POND_UPDATED                1.37       15425.06
POND_UPDATED                1.38       15565.72
POND_UPDATED                1.39       15705.49
POND_UPDATED                1.4        15844.39
POND_UPDATED                1.41       15982.41
POND_UPDATED                1.42       16119.55
POND_UPDATED                1.43       16255.81
POND_UPDATED                1.44       16391.19
POND_UPDATED                1.45       16525.74
POND_UPDATED                1.46       16659.43
POND_UPDATED                1.47       16792.25
POND_UPDATED                1.48       16924.22
POND_UPDATED                1.49       17055.38
POND_UPDATED                1.5        17185.72
POND_UPDATED                1.51       17315.23
POND_UPDATED                1.52       17443.93
POND_UPDATED                1.53       17571.91
POND_UPDATED                1.54       17699.2
POND_UPDATED                1.55       17825.8
POND_UPDATED                1.56       17951.7
POND_UPDATED                1.57       18076.88
POND_UPDATED                1.58       18201.34
POND_UPDATED                1.59       18325.08
POND_UPDATED                1.6        18448.08
POND_UPDATED                1.61       18570.33
POND_UPDATED                1.62       18692.01
POND_UPDATED                1.63       18815.19
POND_UPDATED                1.64       18940.47
POND_UPDATED                1.65       19067.85
POND_UPDATED                1.66       19197.33
POND_UPDATED                1.67       19328.92
POND_UPDATED                1.68       19462.62
POND_UPDATED                1.69       19598.41
POND_UPDATED                1.7        19735.7
POND_UPDATED                1.71       19873.79
POND_UPDATED                1.72       20012.89
POND_UPDATED                1.73       20153.35
POND_UPDATED                1.74       20295.17
POND_UPDATED                1.75       20438.35
POND_UPDATED                1.76       20583
POND_UPDATED                1.77       20729.17
POND_UPDATED                1.78       20876.88
POND_UPDATED                1.79       21026.11
POND_UPDATED                1.8        21176.87
POND_UPDATED                1.81       21329.16
POND_UPDATED                1.82       21482.97
POND_UPDATED                1.83       21638.32
POND_UPDATED                1.84       21795.19
POND_UPDATED                1.85       21953.59
POND_UPDATED                1.86       22113.51
POND_UPDATED                1.87       22275.11
POND_UPDATED                1.88       22439.96
POND_UPDATED                1.89       22608.53
POND_UPDATED                1.9        22780.8
POND_UPDATED                1.91       22956.79
POND_UPDATED                1.92       23136.49
POND_UPDATED                1.93       23319.89
POND_UPDATED                1.94       23497.21
POND_UPDATED                1.95       23643.49
POND_UPDATED                1.96       23772.08
POND_UPDATED                1.97       23890.87
POND_UPDATED                1.98       23964.36
POND_UPDATED                1.99       24009.65
POND_UPDATED                2          24036.63
POND_UPDATED                2.01       24054.44
POND_UPDATED                2.02       24072.26
POND_UPDATED                2.03       24090.09
POND_UPDATED                2.04       24107.92
POND_UPDATED                2.05       24125.76
POND_UPDATED                2.06       24143.6
POND_UPDATED                2.07       24161.44
POND_UPDATED                2.08       24179.29
POND_UPDATED                2.09       24197.15
POND_UPDATED                2.1        24215
POND_UPDATED                2.11       24232.87
POND_UPDATED                2.12       24250.74
POND_UPDATED                2.13       24268.61
POND_UPDATED                2.14       24286.49
POND_UPDATED                2.15       24304.37
POND_UPDATED                2.16       24322.26
POND_UPDATED                2.17       24340.15
POND_UPDATED                2.18       24358.04
POND_UPDATED                2.19       24375.95
POND_UPDATED                2.2        24393.85
POND_UPDATED                2.21       24411.76
POND_UPDATED                2.22       24429.68
POND_UPDATED                2.23       24452.66
POND_UPDATED                2.24       24476.44
POND_UPDATED                2.25       24500.88
POND_UPDATED                2.26       24525.86
POND_UPDATED                2.27       24551.37
POND_UPDATED                2.28       24577.47
POND_UPDATED                2.29       24604.16
POND_UPDATED                2.3        24631.45
POND_UPDATED                2.31       24659.02
POND_UPDATED                2.32       24687.14
POND_UPDATED                2.33       24715.79
POND_UPDATED                2.34       24744.97
POND_UPDATED                2.35       24774.57
POND_UPDATED                2.65       24774.57

South_Pond        Storage   0          247.03
South_Pond                  0.05       1261.14
South_Pond                  0.25       7886.8
South_Pond                  0.45       16053.19
South_Pond                  0.65       16379.85
South_Pond                  0.85       16710.01
South_Pond                  1.05       17043.68
South_Pond                  1.25       17380.85
South_Pond                  1.45       17721.53
South_Pond                  1.65       18065.71
South_Pond                  1.85       18413.4
South_Pond                  2.05       18764.59
South_Pond                  2.25       19119.29
South_Pond                  2.45       19477.5
South_Pond                  2.65       19839.21
South_Pond                  2.85       20204.43
South_Pond                  3.05       20573.15
South_Pond                  3.25       20945.37
South_Pond                  3.45       21321.11
South_Pond                  3.65       21700.35
South_Pond                  3.85       22083.09
South_Pond                  4.05       22469.34

South_Pond_REV1   Storage   0          172.921
South_Pond_REV1             0.05       882.798
South_Pond_REV1             0.25       5520.76
South_Pond_REV1             0.45       11237.233
South_Pond_REV1             0.65       11465.895
South_Pond_REV1             0.85       11697.007
South_Pond_REV1             1.05       11930.576
South_Pond_REV1             1.25       12166.595
South_Pond_REV1             1.45       12405.071
South_Pond_REV1             1.65       12645.997
South_Pond_REV1             1.85       12889.38
South_Pond_REV1             2.05       13135.213
South_Pond_REV1             2.25       13383.503
South_Pond_REV1             2.45       13634.25
South_Pond_REV1             2.65       13887.447
South_Pond_REV1             2.85       14143.101
South_Pond_REV1             3.05       14401.205
South_Pond_REV1             3.25       14661.759
South_Pond_REV1             3.45       14924.777
South_Pond_REV1             3.65       15190.245
South_Pond_REV1             3.85       15458.163
South_Pond_REV1             4.05       15728.538

South_Pond_REV2   Storage   0          30.99
South_Pond_REV2             0.05       559.34
South_Pond_REV2             0.25       10526.39
South_Pond_REV2             0.45       11301.52
South_Pond_REV2             0.65       11535.4
South_Pond_REV2             0.85       11771.33
South_Pond_REV2             1.05       12009.3
South_Pond_REV2             1.25       12249.32
South_Pond_REV2             1.45       12491.37
South_Pond_REV2             1.65       12735.47
South_Pond_REV2             1.85       12981.62
South_Pond_REV2             2.05       13229.8
South_Pond_REV2             2.25       13480.03
South_Pond_REV2             2.45       13732.3
South_Pond_REV2             2.65       13986.62
South_Pond_REV2             2.85       14242.97
South_Pond_REV2             3.05       14506.06
South_Pond_REV2             3.25       14950.69
South_Pond_REV2             3.45       15461.77
South_Pond_REV2             3.65       16124.96
South_Pond_REV2             3.85       16986.19
South_Pond_REV2             4.05       17983.56

;Configuration of south pond has been revised to accomodate new location for CBs (DWG File:
26610-001.1 C GRD.dwg from April 2019)
South_Pond_REV3   Storage   0          247.45
South_Pond_REV3             0.05       907.95
South_Pond_REV3             0.25       3814.6
South_Pond_REV3             0.45       10218.01
South_Pond_REV3             0.65       14167.31
South_Pond_REV3             0.85       16362.74
South_Pond_REV3             1.05       16694.43
South_Pond_REV3             1.25       17029.45
South_Pond_REV3             1.45       17367.8
South_Pond_REV3             1.65       17709.48
South_Pond_REV3             1.85       18054.47
South_Pond_REV3             2.05       18402.8
South_Pond_REV3             2.25       18754.45
South_Pond_REV3             2.45       19109.42
South_Pond_REV3             2.65       19467.73
South_Pond_REV3             2.85       19829.35
South_Pond_REV3             3.05       20194.31
South_Pond_REV3             3.25       20562.58
South_Pond_REV3             3.45       20934.19
South_Pond_REV3             3.65       21309.12
South_Pond_REV3             3.85       21687.73
South_Pond_REV3             4.05       22080.22

South-West_Dry_Pond Storage    0          0
South-West_Dry_Pond            0.01       1
South-West_Dry_Pond            0.16       132.02
South-West_Dry_Pond            0.36       198.42
South-West_Dry_Pond            0.56       267.05
South-West_Dry_Pond            0.76       339.34
South-West_Dry_Pond            1.16       494.94
South-West_Dry_Pond            1.56       665.2
South-West_Dry_Pond            1.96       852.23
South-West_Dry_Pond            2.36       1070.67
South-West_Dry_Pond            2.55       1192.33

St_EX_315-314     Storage   0          0
St_EX_315-314               0.05       953
St_EX_315-314               0.3        3053
St_EX_315-314               0.55       4809
St_EX_315-314               0.8        8259
St_EX_315-314               1.05       9641
St_EX_315-314               1.3        11335
St_EX_315-314               1.55       13235
St_EX_315-314               1.8        15620
St_EX_315-314               2.05       17776
St_EX_315-314               2.3        20653
St_EX_315-314               2.55       24105
St_EX_315-314               2.8        28808
St_EX_315-314               3.05       33125
St_EX_315-314               3.3        37840
St_EX_315-314               3.55       42900
St_EX_315-314               3.8        46200
St_EX_315-314               4.05       49400
St_EX_315-314               4.3        52386
St_EX_315-314               4.55       55432
St_EX_315-314               4.8        59922
St_EX_315-314               5.05       68322
St_EX_315-314               5.3        74748
St_EX_315-314               5.55       79516
St_EX_315-314               5.8        83846
St_EX_315-314               6.05       88185
St_EX_315-314               6.3        93332
St_EX_315-314               6.55       100554
St_EX_315-314               6.8        107454
St_EX_315-314               7.05       110971
St_EX_315-314               7.3        114937
St_EX_315-314               7.55       119955
St_EX_315-314               7.8        122998
St_EX_315-314               8.05       124891
St_EX_315-314               8.3        126379
St_EX_315-314               8.55       127185
St_EX_315-314               8.8        128151
St_EX_315-314               9.05       128288
St_EX_315-314               9.3        128334
St_EX_315-314               9.55       128351
St_EX_315-314               9.8        128365
St_EX_315-314               10.05      128378
St_EX_315-314               10.3       128389
St_EX_315-314               10.55      128401
St_EX_315-314               10.8       128417
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;Park - South end of subdivision
St_Park_624       Storage     0          0.36
St_Park_624                   1.8        0.36
St_Park_624                   1.81       2
St_Park_624                   2.15       2

;Parkette
St_Park_625       Storage     0          0.36
St_Park_625                   1.8        0.36
St_Park_625                   1.81       2887
St_Park_625                   2.15       2887

St_Park3          Storage     0          0.36
St_Park3                      1.83       0.36
St_Park3                      1.84       2.76
St_Park3                      2.13       526.74
St_Park3                      2.18       782.29
St_Park3                      2.33       1594.39

;School (Loction: Adjacent to Kilbirnie Dr))
St_SCH_622        Storage     0          0.36
St_SCH_622                    1.8        0.36
St_SCH_622                    1.81       1400
St_SCH_622                    2.15       1400

St_SCH_623        Storage     0          0.36
St_SCH_623                    1.8        0.36
St_SCH_623                    1.81       1400
St_SCH_623                    2.16       1400

St_STUB6          Storage     0          0.72
St_STUB6                      0.2        35.34
St_STUB6                      0.4        116.75
St_STUB6                      0.6        245.75
St_STUB6                      0.75       378
St_STUB6                      0.91       610.39

ST4_105_(P-Stm)   Storage     0          132.83
ST4_105_(P-Stm)               0.43       132.83
ST4_105_(P-Stm)               0.44       1.13
ST4_105_(P-Stm)               10         1.13

ST4_106_(P-Stm)   Storage     0          232.238
ST4_106_(P-Stm)               0.43       232.238
ST4_106_(P-Stm)               0.44       1.13
ST4_106_(P-Stm)               10         1.13

ST4_107_(P-Stm)   Storage     0          176.843
ST4_107_(P-Stm)               0.43       176.843
ST4_107_(P-Stm)               0.44       1.13
ST4_107_(P-Stm)               10         1.13

ST4_108_(P-Stm)   Storage     0          176.063
ST4_108_(P-Stm)               0.43       176.063
ST4_108_(P-Stm)               0.44       1.13
ST4_108_(P-Stm)               10         1.13

ST4_108A_(P-Stm)  Storage     0          45.835
ST4_108A_(P-Stm)              0.43       45.835
ST4_108A_(P-Stm)              0.44       1.13
ST4_108A_(P-Stm)              10         1.13

ST4_109_(P-Stm)   Storage     0          134.897
ST4_109_(P-Stm)               0.43       134.897
ST4_109_(P-Stm)               0.44       1.13
ST4_109_(P-Stm)               10         1.13

ST4_111_(P-Stm)   Storage     0          72.443
ST4_111_(P-Stm)               0.46       72.443
ST4_111_(P-Stm)               0.47       1.13
ST4_111_(P-Stm)               10         1.13

ST4_112_(P-Stm)   Storage     0          61.988
ST4_112_(P-Stm)               0.46       61.988
ST4_112_(P-Stm)               0.47       1.13
ST4_112_(P-Stm)               10         1.13

ST4_113_(P-Stm)   Storage     0          95.037
ST4_113_(P-Stm)               0.47       95.037
ST4_113_(P-Stm)               0.48       1.13
ST4_113_(P-Stm)               10         1.13

ST4_119_(P-Stm)   Storage     0          175.406
ST4_119_(P-Stm)               0.44       175.406
ST4_119_(P-Stm)               0.45       1.13
ST4_119_(P-Stm)               10         1.13

ST4_120_(P-Stm)   Storage     0          165.736
ST4_120_(P-Stm)               0.44       165.736
ST4_120_(P-Stm)               0.45       1.13
ST4_120_(P-Stm)               10         1.13

ST4_123_(P-Stm)   Storage     0          132.572
ST4_123_(P-Stm)               0.44       132.572
ST4_123_(P-Stm)               0.45       1.13
ST4_123_(P-Stm)               10         1.13

ST4_125_(P-Stm)   Storage     0          173.66
ST4_125_(P-Stm)               0.44       173.66
ST4_125_(P-Stm)               0.45       1.13
ST4_125_(P-Stm)               10         1.13

ST4_126_(P-Stm)   Storage     0          69.445
ST4_126_(P-Stm)               0.45       69.445
ST4_126_(P-Stm)               0.46       1.13
ST4_126_(P-Stm)               10         1.13

ST4_127_(P-Stm)   Storage     0          181.655
ST4_127_(P-Stm)               0.46       181.655
ST4_127_(P-Stm)               0.47       1.13
ST4_127_(P-Stm)               10         1.13

ST4_128_(P-Stm)   Storage     0          115.355
ST4_128_(P-Stm)               0.45       115.355
ST4_128_(P-Stm)               0.46       1.13
ST4_128_(P-Stm)               10         1.13

ST4_129_(P-Stm)   Storage     0          82.002
ST4_129_(P-Stm)               0.45       82.002
ST4_129_(P-Stm)               0.46       1.13
ST4_129_(P-Stm)               10         1.13

ST4_130_(P-Stm)   Storage     0          71.759
ST4_130_(P-Stm)               0.45       71.759
ST4_130_(P-Stm)               0.46       1.13
ST4_130_(P-Stm)               10         1.13

ST4_131_(P-Stm)   Storage     0          113.471
ST4_131_(P-Stm)               0.45       113.471
ST4_131_(P-Stm)               0.46       1.13
ST4_131_(P-Stm)               10         1.13

ST4_134_(P-Stm)   Storage     0          130.106
ST4_134_(P-Stm)               0.47       130.106
ST4_134_(P-Stm)               0.48       1.13
ST4_134_(P-Stm)               10         1.13

ST5_MH_501        Storage     0          142.46
ST5_MH_501                    0.46       142.46
ST5_MH_501                    0.47       1.13
ST5_MH_501                    10         1.13

ST5_MH_502        Storage     0          156.248
ST5_MH_502                    0.46       156.248
ST5_MH_502                    0.47       1.13
ST5_MH_502                    10         1.13

ST5_MH_503        Storage     0          590.625
ST5_MH_503                    0.46       590.625
ST5_MH_503                    0.47       1.13
ST5_MH_503                    10         1.13

ST5_MH_504        Storage     0          172.89
ST5_MH_504                    0.46       172.89
ST5_MH_504                    0.47       1.13
ST5_MH_504                    10         1.13

[TIMESERIES]
;Name             Date       Time       Value
;;---------------- ---------- ---------- ----------
;Rainfall (mm/hr)
12SCS002          01/01/2000 00:00:00   1.296
12SCS002          01/01/2000 00:15:00   1.296
12SCS002          01/01/2000 00:30:00   0.6048
12SCS002          01/01/2000 00:45:00   0.6048
12SCS002          01/01/2000 01:00:00   1.1232
12SCS002          01/01/2000 01:15:00   1.1232
12SCS002          01/01/2000 01:30:00   1.1232
12SCS002          01/01/2000 01:45:00   1.1232
12SCS002          01/01/2000 02:00:00   1.4688
12SCS002          01/01/2000 02:15:00   1.4688
12SCS002          01/01/2000 02:30:00   1.296
12SCS002          01/01/2000 02:45:00   1.296
12SCS002          01/01/2000 03:00:00   1.728
12SCS002          01/01/2000 03:15:00   1.728
12SCS002          01/01/2000 03:30:00   1.728
12SCS002          01/01/2000 03:45:00   1.728
12SCS002          01/01/2000 04:00:00   2.3328
12SCS002          01/01/2000 04:15:00   2.3328
12SCS002          01/01/2000 04:30:00   2.9376
12SCS002          01/01/2000 04:45:00   2.9376
12SCS002          01/01/2000 05:00:00   4.6656
12SCS002          01/01/2000 05:15:00   4.6656
12SCS002          01/01/2000 05:30:00   23.328
12SCS002          01/01/2000 05:45:00   50.6304
12SCS002          01/01/2000 06:00:00   9.4176
12SCS002          01/01/2000 06:15:00   9.4176
12SCS002          01/01/2000 06:30:00   4.1472
12SCS002          01/01/2000 06:45:00   4.1472
12SCS002          01/01/2000 07:00:00   2.7648
12SCS002          01/01/2000 07:15:00   2.7648
12SCS002          01/01/2000 07:30:00   2.4192
12SCS002          01/01/2000 07:45:00   2.4192
12SCS002          01/01/2000 08:00:00   1.9008
12SCS002          01/01/2000 08:15:00   1.9008
12SCS002          01/01/2000 08:30:00   1.9872
12SCS002          01/01/2000 08:45:00   1.9872
12SCS002          01/01/2000 09:00:00   1.296
12SCS002          01/01/2000 09:15:00   1.296
12SCS002          01/01/2000 09:30:00   1.0368
12SCS002          01/01/2000 09:45:00   1.0368
12SCS002          01/01/2000 10:00:00   1.4688
12SCS002          01/01/2000 10:15:00   1.4688
12SCS002          01/01/2000 10:30:00   0.9504
12SCS002          01/01/2000 10:45:00   0.9504
12SCS002          01/01/2000 11:00:00   0.864
12SCS002          01/01/2000 11:15:00   0.864
12SCS002          01/01/2000 11:30:00   0.864
12SCS002          01/01/2000 11:45:00   0.864
12SCS002          01/01/2000 12:00:00   0

;Rainfall (mm/hr)
12SCS005          01/01/2000 00:00:00   1.728
12SCS005          01/01/2000 00:15:00   1.728
12SCS005          01/01/2000 00:30:00   0.8064
12SCS005          01/01/2000 00:45:00   0.8064
12SCS005          01/01/2000 01:00:00   1.4976
12SCS005          01/01/2000 01:15:00   1.4976
12SCS005          01/01/2000 01:30:00   1.4976
12SCS005          01/01/2000 01:45:00   1.4976
12SCS005          01/01/2000 02:00:00   1.9584
12SCS005          01/01/2000 02:15:00   1.9584
12SCS005          01/01/2000 02:30:00   1.728
12SCS005          01/01/2000 02:45:00   1.728
12SCS005          01/01/2000 03:00:00   2.304
12SCS005          01/01/2000 03:15:00   2.304
12SCS005          01/01/2000 03:30:00   2.304
12SCS005          01/01/2000 03:45:00   2.304
12SCS005          01/01/2000 04:00:00   3.1104
12SCS005          01/01/2000 04:15:00   3.1104
12SCS005          01/01/2000 04:30:00   3.9168
12SCS005          01/01/2000 04:45:00   3.9168
12SCS005          01/01/2000 05:00:00   6.2208
12SCS005          01/01/2000 05:15:00   6.2208
12SCS005          01/01/2000 05:30:00   31.104
12SCS005          01/01/2000 05:45:00   67.5072
12SCS005          01/01/2000 06:00:00   12.5568
12SCS005          01/01/2000 06:15:00   12.5568
12SCS005          01/01/2000 06:30:00   5.5296
12SCS005          01/01/2000 06:45:00   5.5296
12SCS005          01/01/2000 07:00:00   3.6864
12SCS005          01/01/2000 07:15:00   3.6864
12SCS005          01/01/2000 07:30:00   3.2256
12SCS005          01/01/2000 07:45:00   3.2256
12SCS005          01/01/2000 08:00:00   2.5344
12SCS005          01/01/2000 08:15:00   2.5344
12SCS005          01/01/2000 08:30:00   2.6496
12SCS005          01/01/2000 08:45:00   2.6496
12SCS005          01/01/2000 09:00:00   1.728
12SCS005          01/01/2000 09:15:00   1.728
12SCS005          01/01/2000 09:30:00   1.3824
12SCS005          01/01/2000 09:45:00   1.3824
12SCS005          01/01/2000 10:00:00   1.9584
12SCS005          01/01/2000 10:15:00   1.9584
12SCS005          01/01/2000 10:30:00   1.2672
12SCS005          01/01/2000 10:45:00   1.2672
12SCS005          01/01/2000 11:00:00   1.152
12SCS005          01/01/2000 11:15:00   1.152
12SCS005          01/01/2000 11:30:00   1.152
12SCS005          01/01/2000 11:45:00   1.152
12SCS005          01/01/2000 12:00:00   0

;Rainfall (mm/hr)
12SCS100          01/01/2000 00:00:00   2.88
12SCS100          01/01/2000 00:15:00   2.88
12SCS100          01/01/2000 00:30:00   1.344
12SCS100          01/01/2000 00:45:00   1.344
12SCS100          01/01/2000 01:00:00   2.496
12SCS100          01/01/2000 01:15:00   2.496
12SCS100          01/01/2000 01:30:00   2.496
12SCS100          01/01/2000 01:45:00   2.496
12SCS100          01/01/2000 02:00:00   3.264
12SCS100          01/01/2000 02:15:00   3.264
12SCS100          01/01/2000 02:30:00   2.88
12SCS100          01/01/2000 02:45:00   2.88
12SCS100          01/01/2000 03:00:00   3.84
12SCS100          01/01/2000 03:15:00   3.84
12SCS100          01/01/2000 03:30:00   3.84
12SCS100          01/01/2000 03:45:00   3.84
12SCS100          01/01/2000 04:00:00   5.184
12SCS100          01/01/2000 04:15:00   5.184
12SCS100          01/01/2000 04:30:00   6.528
12SCS100          01/01/2000 04:45:00   6.528
12SCS100          01/01/2000 05:00:00   10.368
12SCS100          01/01/2000 05:15:00   10.368
12SCS100          01/01/2000 05:30:00   51.84
12SCS100          01/01/2000 05:45:00   112.512
12SCS100          01/01/2000 06:00:00   20.928
12SCS100          01/01/2000 06:15:00   20.928
12SCS100          01/01/2000 06:30:00   9.216
12SCS100          01/01/2000 06:45:00   9.216
12SCS100          01/01/2000 07:00:00   6.144
12SCS100          01/01/2000 07:15:00   6.144
12SCS100          01/01/2000 07:30:00   5.376
12SCS100          01/01/2000 07:45:00   5.376
12SCS100          01/01/2000 08:00:00   4.224
12SCS100          01/01/2000 08:15:00   4.224
12SCS100          01/01/2000 08:30:00   4.416
```

```
12SCS100          01/01/2000 08:45:00   4.416
12SCS100          01/01/2000 09:00:00   2.88
12SCS100          01/01/2000 09:15:00   2.88
12SCS100          01/01/2000 09:30:00   2.304
12SCS100          01/01/2000 09:45:00   2.304
12SCS100          01/01/2000 10:00:00   3.264
12SCS100          01/01/2000 10:15:00   3.264
12SCS100          01/01/2000 10:30:00   2.112
12SCS100          01/01/2000 10:45:00   2.112
12SCS100          01/01/2000 11:00:00   1.92
12SCS100          01/01/2000 11:15:00   1.92
12SCS100          01/01/2000 11:30:00   1.92
12SCS100          01/01/2000 11:45:00   1.92
12SCS100          01/01/2000 12:00:00   0

;Rainfall (mm/hr)
24SCS002          01/01/2000 00:00:00   0.72
24SCS002          01/01/2000 00:15:00   0.72
24SCS002          01/01/2000 00:30:00   0.72
24SCS002          01/01/2000 00:45:00   0.72
24SCS002          01/01/2000 01:00:00   0.336
24SCS002          01/01/2000 01:15:00   0.336
24SCS002          01/01/2000 01:30:00   0.336
24SCS002          01/01/2000 01:45:00   0.336
24SCS002          01/01/2000 02:00:00   0.624
24SCS002          01/01/2000 02:15:00   0.624
24SCS002          01/01/2000 02:30:00   0.624
24SCS002          01/01/2000 02:45:00   0.624
24SCS002          01/01/2000 03:00:00   0.624
24SCS002          01/01/2000 03:15:00   0.624
24SCS002          01/01/2000 03:30:00   0.624
24SCS002          01/01/2000 03:45:00   0.624
24SCS002          01/01/2000 04:00:00   0.816
24SCS002          01/01/2000 04:15:00   0.816
24SCS002          01/01/2000 04:30:00   0.816
24SCS002          01/01/2000 04:45:00   0.816
24SCS002          01/01/2000 05:00:00   0.72
24SCS002          01/01/2000 05:15:00   0.72
24SCS002          01/01/2000 05:30:00   0.72
24SCS002          01/01/2000 05:45:00   0.72
24SCS002          01/01/2000 06:00:00   0.96
24SCS002          01/01/2000 06:15:00   0.96
24SCS002          01/01/2000 06:30:00   0.96
24SCS002          01/01/2000 06:45:00   0.96
24SCS002          01/01/2000 07:00:00   0.96
24SCS002          01/01/2000 07:15:00   0.96
24SCS002          01/01/2000 07:30:00   0.96
24SCS002          01/01/2000 07:45:00   0.96
24SCS002          01/01/2000 08:00:00   1.296
24SCS002          01/01/2000 08:15:00   1.296
24SCS002          01/01/2000 08:30:00   1.296
24SCS002          01/01/2000 08:45:00   1.296
24SCS002          01/01/2000 09:00:00   1.536
24SCS002          01/01/2000 09:15:00   1.536
24SCS002          01/01/2000 09:30:00   1.728
24SCS002          01/01/2000 09:45:00   1.728
24SCS002          01/01/2000 10:00:00   2.208
24SCS002          01/01/2000 10:15:00   2.208
24SCS002          01/01/2000 10:30:00   2.976
24SCS002          01/01/2000 10:45:00   2.976
24SCS002          01/01/2000 11:00:00   4.608
24SCS002          01/01/2000 11:15:00   4.608
24SCS002          01/01/2000 11:30:00   19.968
24SCS002          01/01/2000 11:45:00   52.992
24SCS002          01/01/2000 12:00:00   6.912
24SCS002          01/01/2000 12:15:00   6.912
24SCS002          01/01/2000 12:30:00   3.552
24SCS002          01/01/2000 12:45:00   3.552
24SCS002          01/01/2000 13:00:00   2.592
24SCS002          01/01/2000 13:15:00   2.592
24SCS002          01/01/2000 13:30:00   2.016
24SCS002          01/01/2000 13:45:00   2.016
24SCS002          01/01/2000 14:00:00   1.536
24SCS002          01/01/2000 14:15:00   1.536
24SCS002          01/01/2000 14:30:00   1.536
24SCS002          01/01/2000 14:45:00   1.536
24SCS002          01/01/2000 15:00:00   1.344
24SCS002          01/01/2000 15:15:00   1.344
24SCS002          01/01/2000 15:30:00   1.344
24SCS002          01/01/2000 15:45:00   1.344
24SCS002          01/01/2000 16:00:00   1.056
24SCS002          01/01/2000 16:15:00   1.056
24SCS002          01/01/2000 16:30:00   1.056
24SCS002          01/01/2000 16:45:00   1.056
24SCS002          01/01/2000 17:00:00   1.104
24SCS002          01/01/2000 17:15:00   1.104
24SCS002          01/01/2000 17:30:00   1.104
24SCS002          01/01/2000 17:45:00   1.104
24SCS002          01/01/2000 18:00:00   0.72
24SCS002          01/01/2000 18:15:00   0.72
24SCS002          01/01/2000 18:30:00   0.72
24SCS002          01/01/2000 18:45:00   0.72
24SCS002          01/01/2000 19:00:00   0.576
24SCS002          01/01/2000 19:15:00   0.576
24SCS002          01/01/2000 19:30:00   0.576
24SCS002          01/01/2000 19:45:00   0.576
24SCS002          01/01/2000 20:00:00   0.816
24SCS002          01/01/2000 20:15:00   0.816
24SCS002          01/01/2000 20:30:00   0.816
24SCS002          01/01/2000 20:45:00   0.816
24SCS002          01/01/2000 21:00:00   0.528
24SCS002          01/01/2000 21:15:00   0.528
24SCS002          01/01/2000 21:30:00   0.528
24SCS002          01/01/2000 21:45:00   0.528
24SCS002          01/01/2000 22:00:00   0.48
24SCS002          01/01/2000 22:15:00   0.48
24SCS002          01/01/2000 22:30:00   0.48
24SCS002          01/01/2000 22:45:00   0.48
24SCS002          01/01/2000 23:00:00   0.48
24SCS002          01/01/2000 23:15:00   0.48
24SCS002          01/01/2000 23:30:00   0.48
24SCS002          01/01/2000 23:45:00   0.48
24SCS002          01/02/2000 00:00:00   0

;24SCS002 - Flow (m³/s)
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
24SCS002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0
......
Too many data points (1439 in total).

;24SCS002 - Head (m)
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    97.119
24SCS002_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    97.119
......
Too many data points (1439 in total).

;Rainfall (mm/hr)
24SCS005          01/01/2000 00:00:00   0.936
24SCS005          01/01/2000 00:15:00   0.936
24SCS005          01/01/2000 00:30:00   0.936
24SCS005          01/01/2000 00:45:00   0.936
24SCS005          01/01/2000 01:00:00   0.4368
24SCS005          01/01/2000 01:15:00   0.4368
24SCS005          01/01/2000 01:30:00   0.4368
24SCS005          01/01/2000 01:45:00   0.4368
24SCS005          01/01/2000 02:00:00   0.8112
24SCS005          01/01/2000 02:15:00   0.8112
24SCS005          01/01/2000 02:30:00   0.8112
24SCS005          01/01/2000 02:45:00   0.8112
24SCS005          01/01/2000 03:00:00   0.8112
24SCS005          01/01/2000 03:15:00   0.8112
24SCS005          01/01/2000 03:30:00   0.8112
24SCS005          01/01/2000 03:45:00   0.8112
24SCS005          01/01/2000 04:00:00   1.0608
24SCS005          01/01/2000 04:15:00   1.0608
24SCS005          01/01/2000 04:30:00   1.0608
24SCS005          01/01/2000 04:45:00   1.0608
24SCS005          01/01/2000 05:00:00   0.936
24SCS005          01/01/2000 05:15:00   0.936
24SCS005          01/01/2000 05:30:00   0.936
24SCS005          01/01/2000 05:45:00   0.936
24SCS005          01/01/2000 06:00:00   1.248
24SCS005          01/01/2000 06:15:00   1.248
24SCS005          01/01/2000 06:30:00   1.248
24SCS005          01/01/2000 06:45:00   1.248
24SCS005          01/01/2000 07:00:00   1.248
24SCS005          01/01/2000 07:15:00   1.248
24SCS005          01/01/2000 07:30:00   1.248
24SCS005          01/01/2000 07:45:00   1.248
24SCS005          01/01/2000 08:00:00   1.6848
24SCS005          01/01/2000 08:15:00   1.6848
24SCS005          01/01/2000 08:30:00   1.6848
24SCS005          01/01/2000 08:45:00   1.6848
24SCS005          01/01/2000 09:00:00   1.9968
24SCS005          01/01/2000 09:15:00   1.9968
24SCS005          01/01/2000 09:30:00   2.2464
24SCS005          01/01/2000 09:45:00   2.2464
24SCS005          01/01/2000 10:00:00   2.8704
24SCS005          01/01/2000 10:15:00   2.8704
24SCS005          01/01/2000 10:30:00   3.8688
24SCS005          01/01/2000 10:45:00   3.8688
24SCS005          01/01/2000 11:00:00   5.9904
24SCS005          01/01/2000 11:15:00   5.9904
24SCS005          01/01/2000 11:30:00   25.9584
24SCS005          01/01/2000 11:45:00   68.8896
24SCS005          01/01/2000 12:00:00   8.9856
24SCS005          01/01/2000 12:15:00   8.9856
24SCS005          01/01/2000 12:30:00   4.6176
24SCS005          01/01/2000 12:45:00   4.6176
24SCS005          01/01/2000 13:00:00   3.3696
24SCS005          01/01/2000 13:15:00   3.3696
24SCS005          01/01/2000 13:30:00   2.6208
24SCS005          01/01/2000 13:45:00   2.6208
24SCS005          01/01/2000 14:00:00   1.9968
24SCS005          01/01/2000 14:15:00   1.9968
24SCS005          01/01/2000 14:30:00   1.9968
24SCS005          01/01/2000 14:45:00   1.9968
24SCS005          01/01/2000 15:00:00   1.7472
24SCS005          01/01/2000 15:15:00   1.7472
24SCS005          01/01/2000 15:30:00   1.7472
24SCS005          01/01/2000 15:45:00   1.7472
24SCS005          01/01/2000 16:00:00   1.3728
24SCS005          01/01/2000 16:15:00   1.3728
24SCS005          01/01/2000 16:30:00   1.3728
24SCS005          01/01/2000 16:45:00   1.3728
24SCS005          01/01/2000 17:00:00   1.4352
24SCS005          01/01/2000 17:15:00   1.4352
24SCS005          01/01/2000 17:30:00   1.4352
24SCS005          01/01/2000 17:45:00   1.4352
24SCS005          01/01/2000 18:00:00   0.936
24SCS005          01/01/2000 18:15:00   0.936
24SCS005          01/01/2000 18:30:00   0.936
24SCS005          01/01/2000 18:45:00   0.936
24SCS005          01/01/2000 19:00:00   0.7488
24SCS005          01/01/2000 19:15:00   0.7488
24SCS005          01/01/2000 19:30:00   0.7488
24SCS005          01/01/2000 19:45:00   0.7488
24SCS005          01/01/2000 20:00:00   1.0608
24SCS005          01/01/2000 20:15:00   1.0608
24SCS005          01/01/2000 20:30:00   1.0608
24SCS005          01/01/2000 20:45:00   1.0608
24SCS005          01/01/2000 21:00:00   0.6864
24SCS005          01/01/2000 21:15:00   0.6864
24SCS005          01/01/2000 21:30:00   0.6864
24SCS005          01/01/2000 21:45:00   0.6864
24SCS005          01/01/2000 22:00:00   0.624
24SCS005          01/01/2000 22:15:00   0.624
24SCS005          01/01/2000 22:30:00   0.624
24SCS005          01/01/2000 22:45:00   0.624
24SCS005          01/01/2000 23:00:00   0.624
24SCS005          01/01/2000 23:15:00   0.624
24SCS005          01/01/2000 23:30:00   0.624
24SCS005          01/01/2000 23:45:00   0.624
24SCS005          01/02/2000 00:00:00   0

24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
24SCS005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0
......
Too many data points (1439 in total).

24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    97.119
24SCS005_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    97.119
......
Too many data points (1439 in total).

;Rainfall (mm/hr)
24SCS100          01/01/2000 00:00:00   1.548
24SCS100          01/01/2000 00:15:00   1.548
24SCS100          01/01/2000 00:30:00   1.548
24SCS100          01/01/2000 00:45:00   1.548
24SCS100          01/01/2000 01:00:00   0.7224
24SCS100          01/01/2000 01:15:00   0.7224
24SCS100          01/01/2000 01:30:00   0.7224
24SCS100          01/01/2000 01:45:00   0.7224
24SCS100          01/01/2000 02:00:00   1.3416
24SCS100          01/01/2000 02:15:00   1.3416
24SCS100          01/01/2000 02:30:00   1.3416
24SCS100          01/01/2000 02:45:00   1.3416
24SCS100          01/01/2000 03:00:00   1.3416
24SCS100          01/01/2000 03:15:00   1.3416
24SCS100          01/01/2000 03:30:00   1.3416
24SCS100          01/01/2000 03:45:00   1.3416
24SCS100          01/01/2000 04:00:00   1.7544
24SCS100          01/01/2000 04:15:00   1.7544
24SCS100          01/01/2000 04:30:00   1.7544
24SCS100          01/01/2000 04:45:00   1.7544
24SCS100          01/01/2000 05:00:00   1.548
24SCS100          01/01/2000 05:15:00   1.548
24SCS100          01/01/2000 05:30:00   1.548
24SCS100          01/01/2000 05:45:00   1.548
24SCS100          01/01/2000 06:00:00   2.064
24SCS100          01/01/2000 06:15:00   2.064
```

```
24SCS100          01/01/2000 06:30:00   2.064
24SCS100          01/01/2000 06:45:00   2.064
24SCS100          01/01/2000 07:00:00   2.064
24SCS100          01/01/2000 07:15:00   2.064
24SCS100          01/01/2000 07:30:00   2.064
24SCS100          01/01/2000 07:45:00   2.064
24SCS100          01/01/2000 08:00:00   2.7864
24SCS100          01/01/2000 08:15:00   2.7864
24SCS100          01/01/2000 08:30:00   2.7864
24SCS100          01/01/2000 08:45:00   2.7864
24SCS100          01/01/2000 09:00:00   3.3024
24SCS100          01/01/2000 09:15:00   3.3024
24SCS100          01/01/2000 09:30:00   3.7152
24SCS100          01/01/2000 09:45:00   3.7152
24SCS100          01/01/2000 10:00:00   4.7472
24SCS100          01/01/2000 10:15:00   4.7472
24SCS100          01/01/2000 10:30:00   6.3984
24SCS100          01/01/2000 10:45:00   6.3984
24SCS100          01/01/2000 11:00:00   9.9072
24SCS100          01/01/2000 11:15:00   9.9072
24SCS100          01/01/2000 11:30:00   42.9312
24SCS100          01/01/2000 11:45:00   113.9328
24SCS100          01/01/2000 12:00:00   14.8608
24SCS100          01/01/2000 12:15:00   14.8608
24SCS100          01/01/2000 12:30:00   7.6368
24SCS100          01/01/2000 12:45:00   7.6368
24SCS100          01/01/2000 13:00:00   5.5728
24SCS100          01/01/2000 13:15:00   5.5728
24SCS100          01/01/2000 13:30:00   4.3344
24SCS100          01/01/2000 13:45:00   4.3344
24SCS100          01/01/2000 14:00:00   3.3024
24SCS100          01/01/2000 14:15:00   3.3024
24SCS100          01/01/2000 14:30:00   3.3024
24SCS100          01/01/2000 14:45:00   3.3024
24SCS100          01/01/2000 15:00:00   2.8896
24SCS100          01/01/2000 15:15:00   2.8896
24SCS100          01/01/2000 15:30:00   2.8896
24SCS100          01/01/2000 15:45:00   2.8896
24SCS100          01/01/2000 16:00:00   2.2704
24SCS100          01/01/2000 16:15:00   2.2704
24SCS100          01/01/2000 16:30:00   2.2704
24SCS100          01/01/2000 16:45:00   2.2704
24SCS100          01/01/2000 17:00:00   2.3736
24SCS100          01/01/2000 17:15:00   2.3736
24SCS100          01/01/2000 17:30:00   2.3736
24SCS100          01/01/2000 17:45:00   2.3736
24SCS100          01/01/2000 18:00:00   1.548
24SCS100          01/01/2000 18:15:00   1.548
24SCS100          01/01/2000 18:30:00   1.548
24SCS100          01/01/2000 18:45:00   1.548
24SCS100          01/01/2000 19:00:00   1.2384
24SCS100          01/01/2000 19:15:00   1.2384
24SCS100          01/01/2000 19:30:00   1.2384
24SCS100          01/01/2000 19:45:00   1.2384
24SCS100          01/01/2000 20:00:00   1.7544
24SCS100          01/01/2000 20:15:00   1.7544
24SCS100          01/01/2000 20:30:00   1.7544
24SCS100          01/01/2000 20:45:00   1.7544
24SCS100          01/01/2000 21:00:00   1.1352
24SCS100          01/01/2000 21:15:00   1.1352
24SCS100          01/01/2000 21:30:00   1.1352
24SCS100          01/01/2000 21:45:00   1.1352
24SCS100          01/01/2000 22:00:00   1.032
24SCS100          01/01/2000 22:15:00   1.032
24SCS100          01/01/2000 22:30:00   1.032
24SCS100          01/01/2000 22:45:00   1.032
24SCS100          01/01/2000 23:00:00   1.032
24SCS100          01/01/2000 23:15:00   1.032
24SCS100          01/01/2000 23:30:00   1.032
24SCS100          01/01/2000 23:45:00   1.032
24SCS100          01/02/2000 00:00:00   0

24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0.00
24SCS100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0.00
......
Too many data points (1439 in total).

24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.02
24SCS100_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.02
......
Too many data points (1439 in total).

24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
24SCS100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0
......
Too many data points (1439 in total).

24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.019
24SCS100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.019
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0.00
3CHI002_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0.00
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.02
3CHI002_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.02
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0.00
3CHI005_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0.00
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.019
3CHI005_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.019
......
Too many data points (1439 in total).

3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
3CHI010_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0
......
Too many data points (1439 in total).

3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.019
3CHI010_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.019
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
3CHI025_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.019
3CHI025_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.019
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
3CHI100_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.019
3CHI100_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.019
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
3CHI100CC_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    3.58E-05
......
Too many data points (1439 in total).

;Taken from QP4 R5 model - most recent approved submission
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.019
```

```
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.019
3CHI100CC_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.0190048
......
Too many data points (1439 in total).

4CHI22MM          01/01/2000 00:00:00   1.56376
4CHI22MM          01/01/2000 00:15:00   2.07416
4CHI22MM          01/01/2000 00:30:00   3.18384
4CHI22MM          01/01/2000 00:45:00   7.898
4CHI22MM          01/01/2000 01:00:00   40.15528
4CHI22MM          01/01/2000 01:15:00   10.48168
4CHI22MM          01/01/2000 01:30:00   5.32488
4CHI22MM          01/01/2000 01:45:00   3.61504
4CHI22MM          01/01/2000 02:00:00   2.76144
4CHI22MM          01/01/2000 02:15:00   2.2484
4CHI22MM          01/01/2000 02:30:00   1.9052
4CHI22MM          01/01/2000 02:45:00   1.6588
4CHI22MM          01/01/2000 03:00:00   1.474
4CHI22MM          01/01/2000 03:15:00   1.32792
4CHI22MM          01/01/2000 03:30:00   1.21088
4CHI22MM          01/01/2000 03:45:00   1.11408

4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:01:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:02:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:03:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:04:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:05:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:06:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:07:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:08:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:09:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:10:00    0
4CHI22MM_QUINNS_OVERLAND-INFLOW 1/1/2000   0:11:00    0
......
Too many data points (1439 in total).

4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:01:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:02:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:03:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:04:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:05:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:06:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:07:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:08:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:09:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:10:00    98.019
4CHI22MM_QUINNS_ST4_108A_HEAD 1/1/2000   0:11:00    98.019
......
Too many data points (1439 in total).

4CHI25MM          01/01/2000 00:00:00   1.77
4CHI25MM          01/01/2000 00:15:00   2.357
4CHI25MM          01/01/2000 00:30:00   3.618
4CHI25MM          01/01/2000 00:45:00   8.975
4CHI25MM          01/01/2000 01:00:00   45.631
4CHI25MM          01/01/2000 01:15:00   11.911
4CHI25MM          01/01/2000 01:30:00   6.051
4CHI25MM          01/01/2000 01:45:00   4.108
4CHI25MM          01/01/2000 02:00:00   3.138
4CHI25MM          01/01/2000 02:15:00   2.555
4CHI25MM          01/01/2000 02:30:00   2.165
4CHI25MM          01/01/2000 02:45:00   1.885
4CHI25MM          01/01/2000 03:00:00   1.675
4CHI25MM          01/01/2000 03:15:00   1.509
4CHI25MM          01/01/2000 03:30:00   1.376
4CHI25MM          01/01/2000 03:45:00   1.266

;Rainfall (mm/hr)
6SCS002           01/01/2000 00:00:00   2.232
6SCS002           01/01/2000 00:15:00   1.0416
6SCS002           01/01/2000 00:30:00   1.9344
6SCS002           01/01/2000 00:45:00   1.9344
6SCS002           01/01/2000 01:00:00   2.5296
6SCS002           01/01/2000 01:15:00   2.232
6SCS002           01/01/2000 01:30:00   2.976
6SCS002           01/01/2000 01:45:00   2.976
6SCS002           01/01/2000 02:00:00   4.0176
6SCS002           01/01/2000 02:15:00   5.0592
6SCS002           01/01/2000 02:30:00   8.0352
6SCS002           01/01/2000 02:45:00   63.6864
6SCS002           01/01/2000 03:00:00   16.2192
6SCS002           01/01/2000 03:15:00   7.1424
6SCS002           01/01/2000 03:30:00   4.7616
6SCS002           01/01/2000 03:45:00   4.1664
6SCS002           01/01/2000 04:00:00   3.2736
6SCS002           01/01/2000 04:15:00   3.4224
6SCS002           01/01/2000 04:30:00   2.232
6SCS002           01/01/2000 04:45:00   1.7856
6SCS002           01/01/2000 05:00:00   2.5296
6SCS002           01/01/2000 05:15:00   1.6368
6SCS002           01/01/2000 05:30:00   1.488
6SCS002           01/01/2000 05:45:00   1.488
6SCS002           01/01/2000 06:00:00   0

;Rainfall (mm/hr)
6SCS005           01/01/2000 00:00:00   3.024
6SCS005           01/01/2000 00:15:00   1.4112
6SCS005           01/01/2000 00:30:00   2.6208
6SCS005           01/01/2000 00:45:00   2.6208
6SCS005           01/01/2000 01:00:00   3.4272
6SCS005           01/01/2000 01:15:00   3.024
6SCS005           01/01/2000 01:30:00   4.032
6SCS005           01/01/2000 01:45:00   4.032
6SCS005           01/01/2000 02:00:00   5.4432
6SCS005           01/01/2000 02:15:00   6.854401
6SCS005           01/01/2000 02:30:00   10.8864
6SCS005           01/01/2000 02:45:00   86.28481
6SCS005           01/01/2000 03:00:00   21.9744
6SCS005           01/01/2000 03:15:00   9.676801
6SCS005           01/01/2000 03:30:00   6.4512
6SCS005           01/01/2000 03:45:00   5.6448
6SCS005           01/01/2000 04:00:00   4.4352
6SCS005           01/01/2000 04:15:00   4.6368
6SCS005           01/01/2000 04:30:00   3.024
6SCS005           01/01/2000 04:45:00   2.4192
6SCS005           01/01/2000 05:00:00   3.4272
6SCS005           01/01/2000 05:15:00   2.2176
6SCS005           01/01/2000 05:30:00   2.016
6SCS005           01/01/2000 05:45:00   2.016
6SCS005           01/01/2000 06:00:00   0

;Rainfall (mm/hr)
6SCS050           01/01/2000 00:00:00   4.716
6SCS050           01/01/2000 00:15:00   2.2008
6SCS050           01/01/2000 00:30:00   4.0872
6SCS050           01/01/2000 00:45:00   4.0872
6SCS050           01/01/2000 01:00:00   5.3448
6SCS050           01/01/2000 01:15:00   4.716
6SCS050           01/01/2000 01:30:00   6.288
6SCS050           01/01/2000 01:45:00   6.288
6SCS050           01/01/2000 02:00:00   8.4888
6SCS050           01/01/2000 02:15:00   10.6896
6SCS050           01/01/2000 02:30:00   16.9776
6SCS050           01/01/2000 02:45:00   134.5632
6SCS050           01/01/2000 03:00:00   34.2696
6SCS050           01/01/2000 03:15:00   15.0912
6SCS050           01/01/2000 03:30:00   10.0608
6SCS050           01/01/2000 03:45:00   8.8032
6SCS050           01/01/2000 04:00:00   6.9168
6SCS050           01/01/2000 04:15:00   7.2312
6SCS050           01/01/2000 04:30:00   4.716
6SCS050           01/01/2000 04:45:00   3.7728
6SCS050           01/01/2000 05:00:00   5.3448
6SCS050           01/01/2000 05:15:00   3.4584
6SCS050           01/01/2000 05:30:00   3.144
6SCS050           01/01/2000 05:45:00   3.144
6SCS050           01/01/2000 06:00:00   0

;Rainfall (mm/hr)
6SCS100           01/01/2000 00:00:00   5.22
6SCS100           01/01/2000 00:15:00   2.436
6SCS100           01/01/2000 00:30:00   4.524
6SCS100           01/01/2000 00:45:00   4.524
6SCS100           01/01/2000 01:00:00   5.916
6SCS100           01/01/2000 01:15:00   5.22
6SCS100           01/01/2000 01:30:00   6.96
6SCS100           01/01/2000 01:45:00   6.96
6SCS100           01/01/2000 02:00:00   9.396
6SCS100           01/01/2000 02:15:00   11.832
6SCS100           01/01/2000 02:30:00   18.792
6SCS100           01/01/2000 02:45:00   148.944
6SCS100           01/01/2000 03:00:00   37.932
6SCS100           01/01/2000 03:15:00   16.704
6SCS100           01/01/2000 03:30:00   11.136
6SCS100           01/01/2000 03:45:00   9.744
6SCS100           01/01/2000 04:00:00   7.656
6SCS100           01/01/2000 04:15:00   8.004
6SCS100           01/01/2000 04:30:00   5.22
6SCS100           01/01/2000 04:45:00   4.176
6SCS100           01/01/2000 05:00:00   5.916
6SCS100           01/01/2000 05:15:00   3.828
6SCS100           01/01/2000 05:30:00   3.48
6SCS100           01/01/2000 05:45:00   3.48
6SCS100           01/01/2000 06:00:00   0

;Flow (m³/s)
700               01/01/2000 00:00:00   0
700               01/01/2000 00:01:00   0
700               01/01/2000 00:02:00   0
700               01/01/2000 00:03:00   0
700               01/01/2000 00:04:00   0
700               01/01/2000 00:05:00   0
700               01/01/2000 00:06:00   0
700               01/01/2000 00:07:00   0
700               01/01/2000 00:08:00   0
700               01/01/2000 00:09:00   0
700               01/01/2000 00:10:00   0
700               01/01/2000 00:11:00   0
700               01/01/2000 00:12:00   0
700               01/01/2000 00:13:00   0
700               01/01/2000 00:14:00   0
700               01/01/2000 00:15:00   0.000276
700               01/01/2000 00:16:00   0.000565
700               01/01/2000 00:17:00   0.00061
700               01/01/2000 00:18:00   0.000617
700               01/01/2000 00:19:00   0.000618
700               01/01/2000 00:20:00   0.000618
700               01/01/2000 00:21:00   0.000799
700               01/01/2000 00:22:00   0.000827
700               01/01/2000 00:23:00   0.000831
700               01/01/2000 00:24:00   0.000833
700               01/01/2000 00:25:00   0.000833
700               01/01/2000 00:26:00   0.000833
700               01/01/2000 00:27:00   0.000833
700               01/01/2000 00:28:00   0.000833
700               01/01/2000 00:29:00   0.000833
700               01/01/2000 00:30:00   0.000833
700               01/01/2000 00:31:00   0.001235
700               01/01/2000 00:32:00   0.001297
700               01/01/2000 00:33:00   0.001307
700               01/01/2000 00:34:00   0.001308
700               01/01/2000 00:35:00   0.001308
700               01/01/2000 00:36:00   0.001308
700               01/01/2000 00:37:00   0.001308
700               01/01/2000 00:38:00   0.001308
700               01/01/2000 00:39:00   0.001308
700               01/01/2000 00:40:00   0.001308
700               01/01/2000 00:41:00   0.003238
700               01/01/2000 00:42:00   0.003963
700               01/01/2000 00:43:00   0.004462
700               01/01/2000 00:44:00   0.004968
700               01/01/2000 00:45:00   0.00553
700               01/01/2000 00:46:00   0.006169
700               01/01/2000 00:47:00   0.006755
700               01/01/2000 00:48:00   0.007295
700               01/01/2000 00:49:00   0.007796
700               01/01/2000 00:50:00   0.008259
700               01/01/2000 00:51:00   0.010412
700               01/01/2000 00:52:00   0.012
700               01/01/2000 00:53:00   0.012
700               01/01/2000 00:54:00   0.012
700               01/01/2000 00:55:00   0.012
700               01/01/2000 00:56:00   0.012
700               01/01/2000 00:57:00   0.012
700               01/01/2000 00:58:00   0.012
700               01/01/2000 00:59:00   0.012
700               01/01/2000 01:00:00   0.012
700               01/01/2000 01:01:00   0.012
700               01/01/2000 01:02:00   0.012
700               01/01/2000 01:03:00   0.012
700               01/01/2000 01:04:00   0.012
700               01/01/2000 01:05:00   0.012
700               01/01/2000 01:06:00   0.012
700               01/01/2000 01:07:00   0.012
700               01/01/2000 01:08:00   0.012
700               01/01/2000 01:09:00   0.012
700               01/01/2000 01:10:00   0.012
700               01/01/2000 01:11:00   0.011798
700               01/01/2000 01:12:00   0.010678
700               01/01/2000 01:13:00   0.01019
700               01/01/2000 01:14:00   0.00995
700               01/01/2000 01:15:00   0.00983
700               01/01/2000 01:16:00   0.009772
700               01/01/2000 01:17:00   0.009747
700               01/01/2000 01:18:00   0.009739
700               01/01/2000 01:19:00   0.009739
700               01/01/2000 01:20:00   0.009744
700               01/01/2000 01:21:00   0.008978
700               01/01/2000 01:22:00   0.008601
700               01/01/2000 01:23:00   0.008439
700               01/01/2000 01:24:00   0.008093
700               01/01/2000 01:25:00   0.007612
700               01/01/2000 01:26:00   0.007149
700               01/01/2000 01:27:00   0.006771
700               01/01/2000 01:28:00   0.006463
700               01/01/2000 01:29:00   0.00621
700               01/01/2000 01:30:00   0.006002
700               01/01/2000 01:31:00   0.005426
700               01/01/2000 01:32:00   0.005052
700               01/01/2000 01:33:00   0.004788
700               01/01/2000 01:34:00   0.004564
700               01/01/2000 01:35:00   0.004358
700               01/01/2000 01:36:00   0.004153
700               01/01/2000 01:37:00   0.003987
700               01/01/2000 01:38:00   0.003853
700               01/01/2000 01:39:00   0.003743
700               01/01/2000 01:40:00   0.003653
700               01/01/2000 01:41:00   0.003336
700               01/01/2000 01:42:00   0.003137
700               01/01/2000 01:43:00   0.002999
700               01/01/2000 01:44:00   0.002882
700               01/01/2000 01:45:00   0.002771
700               01/01/2000 01:46:00   0.00266
700               01/01/2000 01:47:00   0.00257
700               01/01/2000 01:48:00   0.002496
700               01/01/2000 01:49:00   0.002435
700               01/01/2000 01:50:00   0.002386
700               01/01/2000 01:51:00   0.002186
700               01/01/2000 01:52:00   0.002061
700               01/01/2000 01:53:00   0.001975
700               01/01/2000 01:54:00   0.001902
700               01/01/2000 01:55:00   0.001832
700               01/01/2000 01:56:00   0.001762
700               01/01/2000 01:57:00   0.001704
700               01/01/2000 01:58:00   0.001659
```

700	01/01/2000 01:59:00	0.001621
700	01/01/2000 02:00:00	0.001589
700	01/01/2000 02:01:00	0.00145
700	01/01/2000 02:02:00	0.001363
700	01/01/2000 02:03:00	0.001304
700	01/01/2000 02:04:00	0.001254
700	01/01/2000 02:05:00	0.001205
700	01/01/2000 02:06:00	0.001156
700	01/01/2000 02:07:00	0.001115
700	01/01/2000 02:08:00	0.001083
700	01/01/2000 02:09:00	0.001056
700	01/01/2000 02:10:00	0.001034
700	01/01/2000 02:11:00	0.000942
700	01/01/2000 02:12:00	0.000902
700	01/01/2000 02:13:00	0.00087
700	01/01/2000 02:14:00	0.000838
700	01/01/2000 02:15:00	0.000806
700	01/01/2000 02:16:00	0.000771
700	01/01/2000 02:17:00	0.000743
700	01/01/2000 02:18:00	0.000718
700	01/01/2000 02:19:00	0.000698
700	01/01/2000 02:20:00	0.000681
700	01/01/2000 02:21:00	0.000616
700	01/01/2000 02:22:00	0.000597
700	01/01/2000 02:23:00	0.000585
700	01/01/2000 02:24:00	0.000574
700	01/01/2000 02:25:00	0.000566
700	01/01/2000 02:26:00	0.000558
700	01/01/2000 02:27:00	0.000552
700	01/01/2000 02:28:00	0.000547
700	01/01/2000 02:29:00	0.000542
700	01/01/2000 02:30:00	0.000539
700	01/01/2000 02:31:00	0.000495
700	01/01/2000 02:32:00	0.000486
700	01/01/2000 02:33:00	0.000484
700	01/01/2000 02:34:00	0.000481
700	01/01/2000 02:35:00	0.00047
700	01/01/2000 02:36:00	0.00047
700	01/01/2000 02:37:00	0.00047
700	01/01/2000 02:38:00	0.00047
700	01/01/2000 02:39:00	0.00047
700	01/01/2000 02:40:00	0.00047
700	01/01/2000 02:41:00	0.000437
700	01/01/2000 02:42:00	0.000432
700	01/01/2000 02:43:00	0.000431
700	01/01/2000 02:44:00	0.000431
700	01/01/2000 02:45:00	0.000431
700	01/01/2000 02:46:00	0.000431
700	01/01/2000 02:47:00	0.000431
700	01/01/2000 02:48:00	0.000431
700	01/01/2000 02:49:00	0.000431
700	01/01/2000 02:50:00	0.000431
700	01/01/2000 02:51:00	0.000403
700	01/01/2000 02:52:00	0.000399
700	01/01/2000 02:53:00	0.000399
700	01/01/2000 02:54:00	0.000398
700	01/01/2000 02:55:00	0.000398
700	01/01/2000 02:56:00	0.000398
700	01/01/2000 02:57:00	0.000398
700	01/01/2000 02:58:00	0.000398
700	01/01/2000 02:59:00	0.000398
700	01/01/2000 03:00:00	0.000398
700	01/01/2000 03:01:00	6E-05
700	01/01/2000 03:02:00	0
700	01/01/2000 03:03:00	0
700	01/01/2000 03:04:00	0
700	01/01/2000 03:05:00	0
700	01/01/2000 03:06:00	0
700	01/01/2000 03:07:00	0
700	01/01/2000 03:08:00	0
700	01/01/2000 03:09:00	0
700	01/01/2000 03:10:00	0
700	01/01/2000 03:11:00	0
700	01/01/2000 03:12:00	0
700	01/01/2000 03:13:00	0
700	01/01/2000 03:14:00	0
700	01/01/2000 03:15:00	0
700	01/01/2000 03:16:00	0
700	01/01/2000 03:17:00	0
700	01/01/2000 03:18:00	0
700	01/01/2000 03:19:00	0
700	01/01/2000 03:20:00	0
700	01/01/2000 03:21:00	0
700	01/01/2000 03:22:00	0
700	01/01/2000 03:23:00	0
700	01/01/2000 03:24:00	0
700	01/01/2000 03:25:00	0
700	01/01/2000 03:26:00	0
700	01/01/2000 03:27:00	0
700	01/01/2000 03:28:00	0
700	01/01/2000 03:29:00	0
700	01/01/2000 03:30:00	0
700	01/01/2000 03:31:00	0
700	01/01/2000 03:32:00	0
700	01/01/2000 03:33:00	0
700	01/01/2000 03:34:00	0
700	01/01/2000 03:35:00	0
700	01/01/2000 03:36:00	0
700	01/01/2000 03:37:00	0
700	01/01/2000 03:38:00	0
700	01/01/2000 03:39:00	0
700	01/01/2000 03:40:00	0
700	01/01/2000 03:41:00	0
700	01/01/2000 03:42:00	0
700	01/01/2000 03:43:00	0
700	01/01/2000 03:44:00	0
700	01/01/2000 03:45:00	0
700	01/01/2000 03:46:00	0
700	01/01/2000 03:47:00	0
700	01/01/2000 03:48:00	0
700	01/01/2000 03:49:00	0
700	01/01/2000 03:50:00	0
700	01/01/2000 03:51:00	0
700	01/01/2000 03:52:00	0
700	01/01/2000 03:53:00	0
700	01/01/2000 03:54:00	0
700	01/01/2000 03:55:00	0
700	01/01/2000 03:56:00	0
700	01/01/2000 03:57:00	0
700	01/01/2000 03:58:00	0
700	01/01/2000 03:59:00	0
700	01/01/2000 04:00:00	0
700	01/01/2000 04:01:00	0
700	01/01/2000 04:02:00	0
700	01/01/2000 04:03:00	0
700	01/01/2000 04:04:00	0
700	01/01/2000 04:05:00	0
700	01/01/2000 04:06:00	0
700	01/01/2000 04:07:00	0
700	01/01/2000 04:08:00	0
700	01/01/2000 04:09:00	0
700	01/01/2000 04:10:00	0
700	01/01/2000 04:11:00	0
700	01/01/2000 04:12:00	0
700	01/01/2000 04:13:00	0
700	01/01/2000 04:14:00	0
700	01/01/2000 04:15:00	0
700	01/01/2000 04:16:00	0

;Flow (m^3/s)

701	01/01/2000 00:00:00	0
701	01/01/2000 00:01:00	0
701	01/01/2000 00:02:00	0
701	01/01/2000 00:03:00	0
701	01/01/2000 00:04:00	0
701	01/01/2000 00:05:00	0
701	01/01/2000 00:06:00	0
701	01/01/2000 00:07:00	0
701	01/01/2000 00:08:00	0
701	01/01/2000 00:09:00	0
701	01/01/2000 00:10:00	0
701	01/01/2000 00:11:00	0
701	01/01/2000 00:12:00	0
701	01/01/2000 00:13:00	0
701	01/01/2000 00:14:00	0
701	01/01/2000 00:15:00	0.000216
701	01/01/2000 00:16:00	0.000949
701	01/01/2000 00:17:00	0.001841
701	01/01/2000 00:18:00	0.002392
701	01/01/2000 00:19:00	0.002684
701	01/01/2000 00:20:00	0.00286
701	01/01/2000 00:21:00	0.003098
701	01/01/2000 00:22:00	0.00351
701	01/01/2000 00:23:00	0.00381
701	01/01/2000 00:24:00	0.003949
701	01/01/2000 00:25:00	0.004043
701	01/01/2000 00:26:00	0.004089
701	01/01/2000 00:27:00	0.004119
701	01/01/2000 00:28:00	0.004135
701	01/01/2000 00:29:00	0.004144
701	01/01/2000 00:30:00	0.004149
701	01/01/2000 00:31:00	0.004469
701	01/01/2000 00:32:00	0.005258
701	01/01/2000 00:33:00	0.005857
701	01/01/2000 00:34:00	0.006124
701	01/01/2000 00:35:00	0.006312
701	01/01/2000 00:36:00	0.006402
701	01/01/2000 00:37:00	0.006461
701	01/01/2000 00:38:00	0.006491
701	01/01/2000 00:39:00	0.00651
701	01/01/2000 00:40:00	0.00652
701	01/01/2000 00:41:00	0.008207
701	01/01/2000 00:42:00	0.012338
701	01/01/2000 00:43:00	0.016126
701	01/01/2000 00:44:00	0.019022
701	01/01/2000 00:45:00	0.021876
701	01/01/2000 00:46:00	0.024501
701	01/01/2000 00:47:00	0.026868
701	01/01/2000 00:48:00	0.028959
701	01/01/2000 00:49:00	0.030878
701	01/01/2000 00:50:00	0.032634
701	01/01/2000 00:51:00	0.055992
701	01/01/2000 00:52:00	0.110499
701	01/01/2000 00:53:00	0.114432
701	01/01/2000 00:54:00	0.115945
701	01/01/2000 00:55:00	0.117
701	01/01/2000 00:56:00	0.117418
701	01/01/2000 00:57:00	0.118
701	01/01/2000 00:58:00	0.119
701	01/01/2000 00:59:00	0.119
701	01/01/2000 01:00:00	0.119553
701	01/01/2000 01:01:00	0.12
701	01/01/2000 01:02:00	0.12
701	01/01/2000 01:03:00	0.12
701	01/01/2000 01:04:00	0.12
701	01/01/2000 01:05:00	0.120369
701	01/01/2000 01:06:00	0.120695
701	01/01/2000 01:07:00	0.120847
701	01/01/2000 01:08:00	0.120841
701	01/01/2000 01:09:00	0.120725
701	01/01/2000 01:10:00	0.120551
701	01/01/2000 01:11:00	0.120351
701	01/01/2000 01:12:00	0.120128
701	01/01/2000 01:13:00	0.12
701	01/01/2000 01:14:00	0.12
701	01/01/2000 01:15:00	0.12
701	01/01/2000 01:16:00	0.119909
701	01/01/2000 01:17:00	0.11921
701	01/01/2000 01:18:00	0.119
701	01/01/2000 01:19:00	0.119
701	01/01/2000 01:20:00	0.119
701	01/01/2000 01:21:00	0.118283
701	01/01/2000 01:22:00	0.118
701	01/01/2000 01:23:00	0.11764
701	01/01/2000 01:24:00	0.116007
701	01/01/2000 01:25:00	0.114407
701	01/01/2000 01:26:00	0.112318
701	01/01/2000 01:27:00	0.10959
701	01/01/2000 01:28:00	0.107766
701	01/01/2000 01:29:00	0.012893
701	01/01/2000 01:30:00	0.029999
701	01/01/2000 01:31:00	0.020133
701	01/01/2000 01:32:00	0.022957
701	01/01/2000 01:33:00	0.019489
701	01/01/2000 01:34:00	0.019341
701	01/01/2000 01:35:00	0.017773
701	01/01/2000 01:36:00	0.017112
701	01/01/2000 01:37:00	0.016254
701	01/01/2000 01:38:00	0.01573
701	01/01/2000 01:39:00	0.015228
701	01/01/2000 01:40:00	0.01486
701	01/01/2000 01:41:00	0.014321
701	01/01/2000 01:42:00	0.013538
701	01/01/2000 01:43:00	0.012797
701	01/01/2000 01:44:00	0.01216
701	01/01/2000 01:45:00	0.011576
701	01/01/2000 01:46:00	0.011079
701	01/01/2000 01:47:00	0.010675
701	01/01/2000 01:48:00	0.010357
701	01/01/2000 01:49:00	0.010098
701	01/01/2000 01:50:00	0.00989
701	01/01/2000 01:51:00	0.009574
701	01/01/2000 01:52:00	0.009083
701	01/01/2000 01:53:00	0.008618
701	01/01/2000 01:54:00	0.008215
701	01/01/2000 01:55:00	0.007844
701	01/01/2000 01:56:00	0.007528
701	01/01/2000 01:57:00	0.00727
701	01/01/2000 01:58:00	0.007067
701	01/01/2000 01:59:00	0.006902
701	01/01/2000 02:00:00	0.006769
701	01/01/2000 02:01:00	0.006556
701	01/01/2000 02:02:00	0.006216
701	01/01/2000 02:03:00	0.005893
701	01/01/2000 02:04:00	0.005612
701	01/01/2000 02:05:00	0.005353
701	01/01/2000 02:06:00	0.005131
701	01/01/2000 02:07:00	0.004951
701	01/01/2000 02:08:00	0.004809
701	01/01/2000 02:09:00	0.004693
701	01/01/2000 02:10:00	0.0046
701	01/01/2000 02:11:00	0.004456
701	01/01/2000 02:12:00	0.004231
701	01/01/2000 02:13:00	0.004031
701	01/01/2000 02:14:00	0.003877
701	01/01/2000 02:15:00	0.00373
701	01/01/2000 02:16:00	0.003597
701	01/01/2000 02:17:00	0.003488
701	01/01/2000 02:18:00	0.003399
701	01/01/2000 02:19:00	0.003327
701	01/01/2000 02:20:00	0.003266
701	01/01/2000 02:21:00	0.003175
701	01/01/2000 02:22:00	0.003032
701	01/01/2000 02:23:00	0.002919
701	01/01/2000 02:24:00	0.002852
701	01/01/2000 02:25:00	0.002799
701	01/01/2000 02:26:00	0.002761
701	01/01/2000 02:27:00	0.00273
701	01/01/2000 02:28:00	0.002708
701	01/01/2000 02:29:00	0.002689
701	01/01/2000 02:30:00	0.002674
701	01/01/2000 02:31:00	0.00263
701	01/01/2000 02:32:00	0.00254
701	01/01/2000 02:33:00	0.002471
701	01/01/2000 02:34:00	0.002437
701	01/01/2000 02:35:00	0.002412
701	01/01/2000 02:36:00	0.002398
701	01/01/2000 02:37:00	0.002387

701	01/01/2000 02:38:00	0.002381
701	01/01/2000 02:39:00	0.002376
701	01/01/2000 02:40:00	0.002372
701	01/01/2000 02:41:00	0.002343
701	01/01/2000 02:42:00	0.002276
701	01/01/2000 02:43:00	0.002225
701	01/01/2000 02:44:00	0.002201
701	01/01/2000 02:45:00	0.002185
701	01/01/2000 02:46:00	0.002176
701	01/01/2000 02:47:00	0.00217
701	01/01/2000 02:48:00	0.002167
701	01/01/2000 02:49:00	0.002165
701	01/01/2000 02:50:00	0.002164
701	01/01/2000 02:51:00	0.002141
701	01/01/2000 02:52:00	0.002086
701	01/01/2000 02:53:00	0.002044
701	01/01/2000 02:54:00	0.002026
701	01/01/2000 02:55:00	0.002012
701	01/01/2000 02:56:00	0.002006
701	01/01/2000 02:57:00	0.002002
701	01/01/2000 02:58:00	0.002
701	01/01/2000 02:59:00	0.001998
701	01/01/2000 03:00:00	0.001998
701	01/01/2000 03:01:00	0.001731
701	01/01/2000 03:02:00	0.00107
701	01/01/2000 03:03:00	0.000567
701	01/01/2000 03:04:00	0.000343
701	01/01/2000 03:05:00	0.000185
701	01/01/2000 03:06:00	0.00011
701	01/01/2000 03:07:00	6E-05
701	01/01/2000 03:08:00	3.6E-05
701	01/01/2000 03:09:00	2E-05
701	01/01/2000 03:10:00	1.1E-05
701	01/01/2000 03:11:00	0
701	01/01/2000 03:12:00	0
701	01/01/2000 03:13:00	0
701	01/01/2000 03:14:00	0
701	01/01/2000 03:15:00	0
701	01/01/2000 03:16:00	0
701	01/01/2000 03:17:00	0
701	01/01/2000 03:18:00	0
701	01/01/2000 03:19:00	0
701	01/01/2000 03:20:00	0
701	01/01/2000 03:21:00	0
701	01/01/2000 03:22:00	0
701	01/01/2000 03:23:00	0
701	01/01/2000 03:24:00	0
701	01/01/2000 03:25:00	0
701	01/01/2000 03:26:00	0
701	01/01/2000 03:27:00	0
701	01/01/2000 03:28:00	0
701	01/01/2000 03:29:00	0
701	01/01/2000 03:30:00	0
701	01/01/2000 03:31:00	0
701	01/01/2000 03:32:00	0
701	01/01/2000 03:33:00	0
701	01/01/2000 03:34:00	0
701	01/01/2000 03:35:00	0
701	01/01/2000 03:36:00	0
701	01/01/2000 03:37:00	0
701	01/01/2000 03:38:00	0
701	01/01/2000 03:39:00	0
701	01/01/2000 03:40:00	0
701	01/01/2000 03:41:00	0
701	01/01/2000 03:42:00	0
701	01/01/2000 03:43:00	0
701	01/01/2000 03:44:00	0
701	01/01/2000 03:45:00	0
701	01/01/2000 03:46:00	0
701	01/01/2000 03:47:00	0
701	01/01/2000 03:48:00	0
701	01/01/2000 03:49:00	0
701	01/01/2000 03:50:00	0
701	01/01/2000 03:51:00	0
701	01/01/2000 03:52:00	0
701	01/01/2000 03:53:00	0
701	01/01/2000 03:54:00	0
701	01/01/2000 03:55:00	0
701	01/01/2000 03:56:00	0
701	01/01/2000 03:57:00	0
701	01/01/2000 03:58:00	0
701	01/01/2000 03:59:00	0
701	01/01/2000 04:00:00	0
701	01/01/2000 04:01:00	0
701	01/01/2000 04:02:00	0
701	01/01/2000 04:03:00	0
701	01/01/2000 04:04:00	0
701	01/01/2000 04:05:00	0
701	01/01/2000 04:06:00	0
701	01/01/2000 04:07:00	0
701	01/01/2000 04:08:00	0
701	01/01/2000 04:09:00	0
701	01/01/2000 04:10:00	0
701	01/01/2000 04:11:00	0
701	01/01/2000 04:12:00	0
701	01/01/2000 04:13:00	0
701	01/01/2000 04:14:00	0
701	01/01/2000 04:15:00	0
701	01/01/2000 04:16:00	0

;Flow (m³/s)

702	01/01/2000 00:00:00	0
702	01/01/2000 00:01:00	0
702	01/01/2000 00:02:00	0
702	01/01/2000 00:03:00	0
702	01/01/2000 00:04:00	0
702	01/01/2000 00:05:00	0
702	01/01/2000 00:06:00	0
702	01/01/2000 00:07:00	0
702	01/01/2000 00:08:00	0
702	01/01/2000 00:09:00	0
702	01/01/2000 00:10:00	0
702	01/01/2000 00:11:00	0
702	01/01/2000 00:12:00	0
702	01/01/2000 00:13:00	0
702	01/01/2000 00:14:00	0
702	01/01/2000 00:15:00	0.00038
702	01/01/2000 00:16:00	0.001483
702	01/01/2000 00:17:00	0.002571
702	01/01/2000 00:18:00	0.003148
702	01/01/2000 00:19:00	0.003453
702	01/01/2000 00:20:00	0.003615
702	01/01/2000 00:21:00	0.003952
702	01/01/2000 00:22:00	0.004499
702	01/01/2000 00:23:00	0.004789
702	01/01/2000 00:24:00	0.004943
702	01/01/2000 00:25:00	0.005024
702	01/01/2000 00:26:00	0.005068
702	01/01/2000 00:27:00	0.00509
702	01/01/2000 00:28:00	0.005103
702	01/01/2000 00:29:00	0.005109
702	01/01/2000 00:30:00	0.005112
702	01/01/2000 00:31:00	0.005671
702	01/01/2000 00:32:00	0.006785
702	01/01/2000 00:33:00	0.007376
702	01/01/2000 00:34:00	0.007689
702	01/01/2000 00:35:00	0.007855
702	01/01/2000 00:36:00	0.007943
702	01/01/2000 00:37:00	0.00799
702	01/01/2000 00:38:00	0.008014
702	01/01/2000 00:39:00	0.008027
702	01/01/2000 00:40:00	0.008034
702	01/01/2000 00:41:00	0.010752
702	01/01/2000 00:42:00	0.016241
702	01/01/2000 00:43:00	0.019972
702	01/01/2000 00:44:00	0.022402
702	01/01/2000 00:45:00	0.024104
702	01/01/2000 00:46:00	0.025387
702	01/01/2000 00:47:00	0.026419
702	01/01/2000 00:48:00	0.02729
702	01/01/2000 00:49:00	0.028054
702	01/01/2000 00:50:00	0.028738
702	01/01/2000 00:51:00	0.034
702	01/01/2000 00:52:00	0.034
702	01/01/2000 00:53:00	0.034
702	01/01/2000 00:54:00	0.034
702	01/01/2000 00:55:00	0.034
702	01/01/2000 00:56:00	0.034
702	01/01/2000 00:57:00	0.034
702	01/01/2000 00:58:00	0.034
702	01/01/2000 00:59:00	0.034
702	01/01/2000 01:00:00	0.034
702	01/01/2000 01:01:00	0.034
702	01/01/2000 01:02:00	0.034
702	01/01/2000 01:03:00	0.034
702	01/01/2000 01:04:00	0.034
702	01/01/2000 01:05:00	0.034
702	01/01/2000 01:06:00	0.034
702	01/01/2000 01:07:00	0.034
702	01/01/2000 01:08:00	0.034
702	01/01/2000 01:09:00	0.034
702	01/01/2000 01:10:00	0.034
702	01/01/2000 01:11:00	0.034
702	01/01/2000 01:12:00	0.034
702	01/01/2000 01:13:00	0.034
702	01/01/2000 01:14:00	0.034
702	01/01/2000 01:15:00	0.034
702	01/01/2000 01:16:00	0.034
702	01/01/2000 01:17:00	0.034
702	01/01/2000 01:18:00	0.034
702	01/01/2000 01:19:00	0.034
702	01/01/2000 01:20:00	0.034
702	01/01/2000 01:21:00	0.034
702	01/01/2000 01:22:00	0.034
702	01/01/2000 01:23:00	0.033826
702	01/01/2000 01:24:00	0.028045
702	01/01/2000 01:25:00	0.023542
702	01/01/2000 01:26:00	0.020303
702	01/01/2000 01:27:00	0.017638
702	01/01/2000 01:28:00	0.016373
702	01/01/2000 01:29:00	0.015062
702	01/01/2000 01:30:00	0.014429
702	01/01/2000 01:31:00	0.013772
702	01/01/2000 01:32:00	0.012536
702	01/01/2000 01:33:00	0.01155
702	01/01/2000 01:34:00	0.010933
702	01/01/2000 01:35:00	0.010542
702	01/01/2000 01:36:00	0.010291
702	01/01/2000 01:37:00	0.01013
702	01/01/2000 01:38:00	0.010025
702	01/01/2000 01:39:00	0.009958
702	01/01/2000 01:40:00	0.009917
702	01/01/2000 01:41:00	0.009534
702	01/01/2000 01:42:00	0.008803
702	01/01/2000 01:43:00	0.008218
702	01/01/2000 01:44:00	0.007853
702	01/01/2000 01:45:00	0.00762
702	01/01/2000 01:46:00	0.00747
702	01/01/2000 01:47:00	0.007373
702	01/01/2000 01:48:00	0.00731
702	01/01/2000 01:49:00	0.007269
702	01/01/2000 01:50:00	0.007243
702	01/01/2000 01:51:00	0.006989
702	01/01/2000 01:52:00	0.006505
702	01/01/2000 01:53:00	0.006117
702	01/01/2000 01:54:00	0.005873
702	01/01/2000 01:55:00	0.005718
702	01/01/2000 01:56:00	0.005617
702	01/01/2000 01:57:00	0.005551
702	01/01/2000 01:58:00	0.005507
702	01/01/2000 01:59:00	0.005479
702	01/01/2000 02:00:00	0.00546
702	01/01/2000 02:01:00	0.005279
702	01/01/2000 02:02:00	0.004934
702	01/01/2000 02:03:00	0.004657
702	01/01/2000 02:04:00	0.004483
702	01/01/2000 02:05:00	0.004371
702	01/01/2000 02:06:00	0.004298
702	01/01/2000 02:07:00	0.00425
702	01/01/2000 02:08:00	0.004218
702	01/01/2000 02:09:00	0.004197
702	01/01/2000 02:10:00	0.004182
702	01/01/2000 02:11:00	0.004074
702	01/01/2000 02:12:00	0.003871
702	01/01/2000 02:13:00	0.003747
702	01/01/2000 02:14:00	0.003675
702	01/01/2000 02:15:00	0.003634
702	01/01/2000 02:16:00	0.003609
702	01/01/2000 02:17:00	0.003594
702	01/01/2000 02:18:00	0.003584
702	01/01/2000 02:19:00	0.003578
702	01/01/2000 02:20:00	0.003574
702	01/01/2000 02:21:00	0.003501
702	01/01/2000 02:22:00	0.003359
702	01/01/2000 02:23:00	0.003283
702	01/01/2000 02:24:00	0.003243
702	01/01/2000 02:25:00	0.003221
702	01/01/2000 02:26:00	0.00321
702	01/01/2000 02:27:00	0.003204
702	01/01/2000 02:28:00	0.0032
702	01/01/2000 02:29:00	0.003199
702	01/01/2000 02:30:00	0.003198
702	01/01/2000 02:31:00	0.003141
702	01/01/2000 02:32:00	0.003028
702	01/01/2000 02:33:00	0.002968
702	01/01/2000 02:34:00	0.002937
702	01/01/2000 02:35:00	0.00292
702	01/01/2000 02:36:00	0.002911
702	01/01/2000 02:37:00	0.002906
702	01/01/2000 02:38:00	0.002904
702	01/01/2000 02:39:00	0.002902
702	01/01/2000 02:40:00	0.002902
702	01/01/2000 02:41:00	0.002855
702	01/01/2000 02:42:00	0.002763
702	01/01/2000 02:43:00	0.002714
702	01/01/2000 02:44:00	0.002688
702	01/01/2000 02:45:00	0.002675
702	01/01/2000 02:46:00	0.002667
702	01/01/2000 02:47:00	0.002663
702	01/01/2000 02:48:00	0.002661
702	01/01/2000 02:49:00	0.00266
702	01/01/2000 02:50:00	0.00266
702	01/01/2000 02:51:00	0.002621
702	01/01/2000 02:52:00	0.002544
702	01/01/2000 02:53:00	0.002503
702	01/01/2000 02:54:00	0.002482
702	01/01/2000 02:55:00	0.00247
702	01/01/2000 02:56:00	0.002464
702	01/01/2000 02:57:00	0.002461
702	01/01/2000 02:58:00	0.002459
702	01/01/2000 02:59:00	0.002458
702	01/01/2000 03:00:00	0.002458
702	01/01/2000 03:01:00	0.00199
702	01/01/2000 03:02:00	0.001055
702	01/01/2000 03:03:00	0.000559
702	01/01/2000 03:04:00	0.000296
702	01/01/2000 03:05:00	0.000157
702	01/01/2000 03:06:00	8.3E-05
702	01/01/2000 03:07:00	4.4E-05
702	01/01/2000 03:08:00	2.3E-05
702	01/01/2000 03:09:00	1.2E-05
702	01/01/2000 03:10:00	0
702	01/01/2000 03:11:00	0
702	01/01/2000 03:12:00	0
702	01/01/2000 03:13:00	0
702	01/01/2000 03:14:00	0
702	01/01/2000 03:15:00	0
702	01/01/2000 03:16:00	0

702	01/01/2000 03:17:00	0
702	01/01/2000 03:18:00	0
702	01/01/2000 03:19:00	0
702	01/01/2000 03:20:00	0
702	01/01/2000 03:21:00	0
702	01/01/2000 03:22:00	0
702	01/01/2000 03:23:00	0
702	01/01/2000 03:24:00	0
702	01/01/2000 03:25:00	0
702	01/01/2000 03:26:00	0
702	01/01/2000 03:27:00	0
702	01/01/2000 03:28:00	0
702	01/01/2000 03:29:00	0
702	01/01/2000 03:30:00	0
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702	01/01/2000 03:32:00	0
702	01/01/2000 03:33:00	0
702	01/01/2000 03:34:00	0
702	01/01/2000 03:35:00	0
702	01/01/2000 03:36:00	0
702	01/01/2000 03:37:00	0
702	01/01/2000 03:38:00	0
702	01/01/2000 03:39:00	0
702	01/01/2000 03:40:00	0
702	01/01/2000 03:41:00	0
702	01/01/2000 03:42:00	0
702	01/01/2000 03:43:00	0
702	01/01/2000 03:44:00	0
702	01/01/2000 03:45:00	0
702	01/01/2000 03:46:00	0
702	01/01/2000 03:47:00	0
702	01/01/2000 03:48:00	0
702	01/01/2000 03:49:00	0
702	01/01/2000 03:50:00	0
702	01/01/2000 03:51:00	0
702	01/01/2000 03:52:00	0
702	01/01/2000 03:53:00	0
702	01/01/2000 03:54:00	0
702	01/01/2000 03:55:00	0
702	01/01/2000 03:56:00	0
702	01/01/2000 03:57:00	0
702	01/01/2000 03:58:00	0
702	01/01/2000 03:59:00	0
702	01/01/2000 04:00:00	0
702	01/01/2000 04:01:00	0
702	01/01/2000 04:02:00	0
702	01/01/2000 04:03:00	0
702	01/01/2000 04:04:00	0
702	01/01/2000 04:05:00	0
702	01/01/2000 04:06:00	0
702	01/01/2000 04:07:00	0
702	01/01/2000 04:08:00	0
702	01/01/2000 04:09:00	0
702	01/01/2000 04:10:00	0
702	01/01/2000 04:11:00	0
702	01/01/2000 04:12:00	0
702	01/01/2000 04:13:00	0
702	01/01/2000 04:14:00	0
702	01/01/2000 04:15:00	0
702	01/01/2000 04:16:00	0

;Flow (m^3/s)

703N	01/01/2000 00:00:00	0
703N	01/01/2000 00:01:00	0
703N	01/01/2000 00:02:00	0
703N	01/01/2000 00:03:00	0
703N	01/01/2000 00:04:00	0
703N	01/01/2000 00:05:00	0
703N	01/01/2000 00:06:00	0
703N	01/01/2000 00:07:00	0
703N	01/01/2000 00:08:00	0
703N	01/01/2000 00:09:00	0
703N	01/01/2000 00:10:00	0
703N	01/01/2000 00:11:00	0
703N	01/01/2000 00:12:00	0
703N	01/01/2000 00:13:00	0
703N	01/01/2000 00:14:00	0
703N	01/01/2000 00:15:00	0.000139
703N	01/01/2000 00:16:00	0.000689
703N	01/01/2000 00:17:00	0.001526
703N	01/01/2000 00:18:00	0.002193
703N	01/01/2000 00:19:00	0.002563
703N	01/01/2000 00:20:00	0.00276
703N	01/01/2000 00:21:00	0.002955
703N	01/01/2000 00:22:00	0.003291
703N	01/01/2000 00:23:00	0.003619
703N	01/01/2000 00:24:00	0.003805
703N	01/01/2000 00:25:00	0.003904
703N	01/01/2000 00:26:00	0.003956
703N	01/01/2000 00:27:00	0.003984
703N	01/01/2000 00:28:00	0.003998
703N	01/01/2000 00:29:00	0.004006
703N	01/01/2000 00:30:00	0.00401
703N	01/01/2000 00:31:00	0.004216
703N	01/01/2000 00:32:00	0.004839
703N	01/01/2000 00:33:00	0.005505
703N	01/01/2000 00:34:00	0.005883
703N	01/01/2000 00:35:00	0.006084
703N	01/01/2000 00:36:00	0.006191
703N	01/01/2000 00:37:00	0.006248
703N	01/01/2000 00:38:00	0.006277
703N	01/01/2000 00:39:00	0.006293
703N	01/01/2000 00:40:00	0.006302
703N	01/01/2000 00:41:00	0.007351
703N	01/01/2000 00:42:00	0.010539
703N	01/01/2000 00:43:00	0.014338
703N	01/01/2000 00:44:00	0.017129
703N	01/01/2000 00:45:00	0.019146
703N	01/01/2000 00:46:00	0.020741
703N	01/01/2000 00:47:00	0.021922
703N	01/01/2000 00:48:00	0.022996
703N	01/01/2000 00:49:00	0.02413
703N	01/01/2000 00:50:00	0.025251
703N	01/01/2000 00:51:00	0.030891
703N	01/01/2000 00:52:00	0.033441
703N	01/01/2000 00:53:00	0.036863
703N	01/01/2000 00:54:00	0.038347
703N	01/01/2000 00:55:00	0.038902
703N	01/01/2000 00:56:00	0.039
703N	01/01/2000 00:57:00	0.039
703N	01/01/2000 00:58:00	0.039951
703N	01/01/2000 00:59:00	0.04
703N	01/01/2000 01:00:00	0.04
703N	01/01/2000 01:01:00	0.04
703N	01/01/2000 01:02:00	0.04
703N	01/01/2000 01:03:00	0.04
703N	01/01/2000 01:04:00	0.04
703N	01/01/2000 01:05:00	0.04
703N	01/01/2000 01:06:00	0.04
703N	01/01/2000 01:07:00	0.04
703N	01/01/2000 01:08:00	0.04
703N	01/01/2000 01:09:00	0.04
703N	01/01/2000 01:10:00	0.04
703N	01/01/2000 01:11:00	0.04
703N	01/01/2000 01:12:00	0.04
703N	01/01/2000 01:13:00	0.04
703N	01/01/2000 01:14:00	0.04
703N	01/01/2000 01:15:00	0.04
703N	01/01/2000 01:16:00	0.04
703N	01/01/2000 01:17:00	0.039962
703N	01/01/2000 01:18:00	0.039686
703N	01/01/2000 01:19:00	0.039427
703N	01/01/2000 01:20:00	0.039193
703N	01/01/2000 01:21:00	0.039
703N	01/01/2000 01:22:00	0.039
703N	01/01/2000 01:23:00	0.039
703N	01/01/2000 01:24:00	0.039
703N	01/01/2000 01:25:00	0.039
703N	01/01/2000 01:26:00	0.039
703N	01/01/2000 01:27:00	0.039
703N	01/01/2000 01:28:00	0.038971
703N	01/01/2000 01:29:00	0.03822
703N	01/01/2000 01:30:00	0.037559
703N	01/01/2000 01:31:00	0.036955
703N	01/01/2000 01:32:00	0.0364
703N	01/01/2000 01:33:00	0.035886
703N	01/01/2000 01:34:00	0.035404
703N	01/01/2000 01:35:00	0.034949
703N	01/01/2000 01:36:00	0.034478
703N	01/01/2000 01:37:00	0.033942
703N	01/01/2000 01:38:00	0.033417
703N	01/01/2000 01:39:00	0.032942
703N	01/01/2000 01:40:00	0.03251
703N	01/01/2000 01:41:00	0.032103
703N	01/01/2000 01:42:00	0.031714
703N	01/01/2000 01:43:00	0.03134
703N	01/01/2000 01:44:00	0.030978
703N	01/01/2000 01:45:00	0.030733
703N	01/01/2000 01:46:00	0.030511
703N	01/01/2000 01:47:00	0.030294
703N	01/01/2000 01:48:00	0.030079
703N	01/01/2000 01:49:00	0.026435
703N	01/01/2000 01:50:00	0.01253
703N	01/01/2000 01:51:00	0.008454
703N	01/01/2000 01:52:00	0.007737
703N	01/01/2000 01:53:00	0.00723
703N	01/01/2000 01:54:00	0.006834
703N	01/01/2000 01:55:00	0.00654
703N	01/01/2000 01:56:00	0.00631
703N	01/01/2000 01:57:00	0.00612
703N	01/01/2000 01:58:00	0.005953
703N	01/01/2000 01:59:00	0.005816
703N	01/01/2000 02:00:00	0.005703
703N	01/01/2000 02:01:00	0.005538
703N	01/01/2000 02:02:00	0.00525
703N	01/01/2000 02:03:00	0.004919
703N	01/01/2000 02:04:00	0.004648
703N	01/01/2000 02:05:00	0.004448
703N	01/01/2000 02:06:00	0.004293
703N	01/01/2000 02:07:00	0.004164
703N	01/01/2000 02:08:00	0.004051
703N	01/01/2000 02:09:00	0.003958
703N	01/01/2000 02:10:00	0.003882
703N	01/01/2000 02:11:00	0.003779
703N	01/01/2000 02:12:00	0.003611
703N	01/01/2000 02:13:00	0.003436
703N	01/01/2000 02:14:00	0.003311
703N	01/01/2000 02:15:00	0.003224
703N	01/01/2000 02:16:00	0.00316
703N	01/01/2000 02:17:00	0.003109
703N	01/01/2000 02:18:00	0.003066
703N	01/01/2000 02:19:00	0.003031
703N	01/01/2000 02:20:00	0.003001
703N	01/01/2000 02:21:00	0.00295
703N	01/01/2000 02:22:00	0.00285
703N	01/01/2000 02:23:00	0.002747
703N	01/01/2000 02:24:00	0.002683
703N	01/01/2000 02:25:00	0.002643
703N	01/01/2000 02:26:00	0.002617
703N	01/01/2000 02:27:00	0.002599
703N	01/01/2000 02:28:00	0.002586
703N	01/01/2000 02:29:00	0.002575
703N	01/01/2000 02:30:00	0.002566
703N	01/01/2000 02:31:00	0.002539
703N	01/01/2000 02:32:00	0.00247
703N	01/01/2000 02:33:00	0.002397
703N	01/01/2000 02:34:00	0.002354
703N	01/01/2000 02:35:00	0.00233
703N	01/01/2000 02:36:00	0.002315
703N	01/01/2000 02:37:00	0.002306
703N	01/01/2000 02:38:00	0.002301
703N	01/01/2000 02:39:00	0.002297
703N	01/01/2000 02:40:00	0.002294
703N	01/01/2000 02:41:00	0.002274
703N	01/01/2000 02:42:00	0.002221
703N	01/01/2000 02:43:00	0.002164
703N	01/01/2000 02:44:00	0.002132
703N	01/01/2000 02:45:00	0.002114
703N	01/01/2000 02:46:00	0.002104
703N	01/01/2000 02:47:00	0.002099
703N	01/01/2000 02:48:00	0.002095
703N	01/01/2000 02:49:00	0.002093
703N	01/01/2000 02:50:00	0.002092
703N	01/01/2000 02:51:00	0.002077
703N	01/01/2000 02:52:00	0.002033
703N	01/01/2000 02:53:00	0.001987
703N	01/01/2000 02:54:00	0.001961
703N	01/01/2000 02:55:00	0.001946
703N	01/01/2000 02:56:00	0.001939
703N	01/01/2000 02:57:00	0.001934
703N	01/01/2000 02:58:00	0.001932
703N	01/01/2000 02:59:00	0.001931
703N	01/01/2000 03:00:00	0.00193
703N	01/01/2000 03:01:00	0.001759
703N	01/01/2000 03:02:00	0.001236
703N	01/01/2000 03:03:00	0.000677
703N	01/01/2000 03:04:00	0.00036
703N	01/01/2000 03:05:00	0.000191
703N	01/01/2000 03:06:00	0.000101
703N	01/01/2000 03:07:00	5.4E-05
703N	01/01/2000 03:08:00	2.8E-05
703N	01/01/2000 03:09:00	1.5E-05
703N	01/01/2000 03:10:00	0
703N	01/01/2000 03:11:00	0
703N	01/01/2000 03:12:00	0
703N	01/01/2000 03:13:00	0
703N	01/01/2000 03:14:00	0
703N	01/01/2000 03:15:00	0
703N	01/01/2000 03:16:00	0
703N	01/01/2000 03:17:00	0
703N	01/01/2000 03:18:00	0
703N	01/01/2000 03:19:00	0
703N	01/01/2000 03:20:00	0
703N	01/01/2000 03:21:00	0
703N	01/01/2000 03:22:00	0
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703N	01/01/2000 03:30:00	0
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703N	01/01/2000 03:38:00	0
703N	01/01/2000 03:39:00	0
703N	01/01/2000 03:40:00	0
703N	01/01/2000 03:41:00	0
703N	01/01/2000 03:42:00	0
703N	01/01/2000 03:43:00	0
703N	01/01/2000 03:44:00	0
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703N	01/01/2000 03:47:00	0
703N	01/01/2000 03:48:00	0
703N	01/01/2000 03:49:00	0
703N	01/01/2000 03:50:00	0
703N	01/01/2000 03:51:00	0
703N	01/01/2000 03:52:00	0
703N	01/01/2000 03:53:00	0
703N	01/01/2000 03:54:00	0
703N	01/01/2000 03:55:00	0

703N	01/01/2000 03:56:00	0
703N	01/01/2000 03:57:00	0
703N	01/01/2000 03:58:00	0
703N	01/01/2000 03:59:00	0
703N	01/01/2000 04:00:00	0
703N	01/01/2000 04:01:00	0
703N	01/01/2000 04:02:00	0
703N	01/01/2000 04:03:00	0
703N	01/01/2000 04:04:00	0
703N	01/01/2000 04:05:00	0
703N	01/01/2000 04:06:00	0
703N	01/01/2000 04:07:00	0
703N	01/01/2000 04:08:00	0
703N	01/01/2000 04:09:00	0
703N	01/01/2000 04:10:00	0
703N	01/01/2000 04:11:00	0
703N	01/01/2000 04:12:00	0
703N	01/01/2000 04:13:00	0
703N	01/01/2000 04:14:00	0
703N	01/01/2000 04:15:00	0
703N	01/01/2000 04:16:00	0
;Flow (m³/s)		
703S	01/01/2000 00:00:00	0
703S	01/01/2000 00:01:00	0
703S	01/01/2000 00:02:00	0
703S	01/01/2000 00:03:00	0
703S	01/01/2000 00:04:00	0
703S	01/01/2000 00:05:00	0
703S	01/01/2000 00:06:00	0
703S	01/01/2000 00:07:00	0
703S	01/01/2000 00:08:00	0
703S	01/01/2000 00:09:00	0
703S	01/01/2000 00:10:00	0
703S	01/01/2000 00:11:00	0
703S	01/01/2000 00:12:00	0
703S	01/01/2000 00:13:00	0
703S	01/01/2000 00:14:00	0
703S	01/01/2000 00:15:00	0.000412
703S	01/01/2000 00:16:00	0.001417
703S	01/01/2000 00:17:00	0.002322
703S	01/01/2000 00:18:00	0.002795
703S	01/01/2000 00:19:00	0.003035
703S	01/01/2000 00:20:00	0.003158
703S	01/01/2000 00:21:00	0.003492
703S	01/01/2000 00:22:00	0.003942
703S	01/01/2000 00:23:00	0.004179
703S	01/01/2000 00:24:00	0.0043
703S	01/01/2000 00:25:00	0.004361
703S	01/01/2000 00:26:00	0.004392
703S	01/01/2000 00:27:00	0.004408
703S	01/01/2000 00:28:00	0.004416
703S	01/01/2000 00:29:00	0.004421
703S	01/01/2000 00:30:00	0.004423
703S	01/01/2000 00:31:00	0.005027
703S	01/01/2000 00:32:00	0.005955
703S	01/01/2000 00:33:00	0.006446
703S	01/01/2000 00:34:00	0.006696
703S	01/01/2000 00:35:00	0.006823
703S	01/01/2000 00:36:00	0.006888
703S	01/01/2000 00:37:00	0.006921
703S	01/01/2000 00:38:00	0.006938
703S	01/01/2000 00:39:00	0.006947
703S	01/01/2000 00:40:00	0.006951
703S	01/01/2000 00:41:00	0.009662
703S	01/01/2000 00:42:00	0.014075
703S	01/01/2000 00:43:00	0.017007
703S	01/01/2000 00:44:00	0.019073
703S	01/01/2000 00:45:00	0.020526
703S	01/01/2000 00:46:00	0.021629
703S	01/01/2000 00:47:00	0.022309
703S	01/01/2000 00:48:00	0.022883
703S	01/01/2000 00:49:00	0.023513
703S	01/01/2000 00:50:00	0.02413
703S	01/01/2000 00:51:00	0.03
703S	01/01/2000 00:52:00	0.03
703S	01/01/2000 00:53:00	0.03
703S	01/01/2000 00:54:00	0.030374
703S	01/01/2000 00:55:00	0.030819
703S	01/01/2000 00:56:00	0.031
703S	01/01/2000 00:57:00	0.031
703S	01/01/2000 00:58:00	0.031384
703S	01/01/2000 00:59:00	0.032
703S	01/01/2000 01:00:00	0.032
703S	01/01/2000 01:01:00	0.032
703S	01/01/2000 01:02:00	0.032
703S	01/01/2000 01:03:00	0.032
703S	01/01/2000 01:04:00	0.032
703S	01/01/2000 01:05:00	0.032
703S	01/01/2000 01:06:00	0.032
703S	01/01/2000 01:07:00	0.032
703S	01/01/2000 01:08:00	0.032
703S	01/01/2000 01:09:00	0.032
703S	01/01/2000 01:10:00	0.031992
703S	01/01/2000 01:11:00	0.031833
703S	01/01/2000 01:12:00	0.031625
703S	01/01/2000 01:13:00	0.031397
703S	01/01/2000 01:14:00	0.031165
703S	01/01/2000 01:15:00	0.031
703S	01/01/2000 01:16:00	0.031
703S	01/01/2000 01:17:00	0.031
703S	01/01/2000 01:18:00	0.031
703S	01/01/2000 01:19:00	0.031
703S	01/01/2000 01:20:00	0.031
703S	01/01/2000 01:21:00	0.031
703S	01/01/2000 01:22:00	0.031
703S	01/01/2000 01:23:00	0.031
703S	01/01/2000 01:24:00	0.031
703S	01/01/2000 01:25:00	0.031
703S	01/01/2000 01:26:00	0.031
703S	01/01/2000 01:27:00	0.031
703S	01/01/2000 01:28:00	0.031
703S	01/01/2000 01:29:00	0.031
703S	01/01/2000 01:30:00	0.031
703S	01/01/2000 01:31:00	0.03094
703S	01/01/2000 01:32:00	0.030845
703S	01/01/2000 01:33:00	0.030748
703S	01/01/2000 01:34:00	0.030648
703S	01/01/2000 01:35:00	0.030547
703S	01/01/2000 01:36:00	0.030445
703S	01/01/2000 01:37:00	0.030343
703S	01/01/2000 01:38:00	0.030241
703S	01/01/2000 01:39:00	0.030139
703S	01/01/2000 01:40:00	0.030038
703S	01/01/2000 01:41:00	0.03
703S	01/01/2000 01:42:00	0.03
703S	01/01/2000 01:43:00	0.03
703S	01/01/2000 01:44:00	0.03
703S	01/01/2000 01:45:00	0.03
703S	01/01/2000 01:46:00	0.023934
703S	01/01/2000 01:47:00	0.008268
703S	01/01/2000 01:48:00	0.006396
703S	01/01/2000 01:49:00	0.006301
703S	01/01/2000 01:50:00	0.006272
703S	01/01/2000 01:51:00	0.006043
703S	01/01/2000 01:52:00	0.005663
703S	01/01/2000 01:53:00	0.005362
703S	01/01/2000 01:54:00	0.005132
703S	01/01/2000 01:55:00	0.004983
703S	01/01/2000 01:56:00	0.004885
703S	01/01/2000 01:57:00	0.00482
703S	01/01/2000 01:58:00	0.004777
703S	01/01/2000 01:59:00	0.004748
703S	01/01/2000 02:00:00	0.004728
703S	01/01/2000 02:01:00	0.004565
703S	01/01/2000 02:02:00	0.004294
703S	01/01/2000 02:03:00	0.004079
703S	01/01/2000 02:04:00	0.003915
703S	01/01/2000 02:05:00	0.003807
703S	01/01/2000 02:06:00	0.003737
703S	01/01/2000 02:07:00	0.00369
703S	01/01/2000 02:08:00	0.003658
703S	01/01/2000 02:09:00	0.003637
703S	01/01/2000 02:10:00	0.003622
703S	01/01/2000 02:11:00	0.003511
703S	01/01/2000 02:12:00	0.003343
703S	01/01/2000 02:13:00	0.003242
703S	01/01/2000 02:14:00	0.00318
703S	01/01/2000 02:15:00	0.003144
703S	01/01/2000 02:16:00	0.003123
703S	01/01/2000 02:17:00	0.003109
703S	01/01/2000 02:18:00	0.003101
703S	01/01/2000 02:19:00	0.003096
703S	01/01/2000 02:20:00	0.003092
703S	01/01/2000 02:21:00	0.003013
703S	01/01/2000 02:22:00	0.002895
703S	01/01/2000 02:23:00	0.002832
703S	01/01/2000 02:24:00	0.002799
703S	01/01/2000 02:25:00	0.002783
703S	01/01/2000 02:26:00	0.002774
703S	01/01/2000 02:27:00	0.00277
703S	01/01/2000 02:28:00	0.002767
703S	01/01/2000 02:29:00	0.002766
703S	01/01/2000 02:30:00	0.002765
703S	01/01/2000 02:31:00	0.002704
703S	01/01/2000 02:32:00	0.00261
703S	01/01/2000 02:33:00	0.00256
703S	01/01/2000 02:34:00	0.002535
703S	01/01/2000 02:35:00	0.002522
703S	01/01/2000 02:36:00	0.002516
703S	01/01/2000 02:37:00	0.002512
703S	01/01/2000 02:38:00	0.002511
703S	01/01/2000 02:39:00	0.00251
703S	01/01/2000 02:40:00	0.002509
703S	01/01/2000 02:41:00	0.002459
703S	01/01/2000 02:42:00	0.002382
703S	01/01/2000 02:43:00	0.002342
703S	01/01/2000 02:44:00	0.002321
703S	01/01/2000 02:45:00	0.002311
703S	01/01/2000 02:46:00	0.002305
703S	01/01/2000 02:47:00	0.002303
703S	01/01/2000 02:48:00	0.002301
703S	01/01/2000 02:49:00	0.0023
703S	01/01/2000 02:50:00	0.0023
703S	01/01/2000 02:51:00	0.002258
703S	01/01/2000 02:52:00	0.002194
703S	01/01/2000 02:53:00	0.00216
703S	01/01/2000 02:54:00	0.002143
703S	01/01/2000 02:55:00	0.002134
703S	01/01/2000 02:56:00	0.00213
703S	01/01/2000 02:57:00	0.002127
703S	01/01/2000 02:58:00	0.002126
703S	01/01/2000 02:59:00	0.002126
703S	01/01/2000 03:00:00	0.002125
703S	01/01/2000 03:01:00	0.001619
703S	01/01/2000 03:02:00	0.00084
703S	01/01/2000 03:03:00	0.000428
703S	01/01/2000 03:04:00	0.000218
703S	01/01/2000 03:05:00	0.000111
703S	01/01/2000 03:06:00	5.6E-05
703S	01/01/2000 03:07:00	2.9E-05
703S	01/01/2000 03:08:00	1.5E-05
703S	01/01/2000 03:09:00	0
703S	01/01/2000 03:10:00	0
703S	01/01/2000 03:11:00	0
703S	01/01/2000 03:12:00	0
703S	01/01/2000 03:13:00	0
703S	01/01/2000 03:14:00	0
703S	01/01/2000 03:15:00	0
703S	01/01/2000 03:16:00	0
703S	01/01/2000 03:17:00	0
703S	01/01/2000 03:18:00	0
703S	01/01/2000 03:19:00	0
703S	01/01/2000 03:20:00	0
703S	01/01/2000 03:21:00	0
703S	01/01/2000 03:22:00	0
703S	01/01/2000 03:23:00	0
703S	01/01/2000 03:24:00	0
703S	01/01/2000 03:25:00	0
703S	01/01/2000 03:26:00	0
703S	01/01/2000 03:27:00	0
703S	01/01/2000 03:28:00	0
703S	01/01/2000 03:29:00	0
703S	01/01/2000 03:30:00	0
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703S	01/01/2000 03:32:00	0
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703S	01/01/2000 03:37:00	0
703S	01/01/2000 03:38:00	0
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703S	01/01/2000 03:40:00	0
703S	01/01/2000 03:41:00	0
703S	01/01/2000 03:42:00	0
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703S	01/01/2000 03:45:00	0
703S	01/01/2000 03:46:00	0
703S	01/01/2000 03:47:00	0
703S	01/01/2000 03:48:00	0
703S	01/01/2000 03:49:00	0
703S	01/01/2000 03:50:00	0
703S	01/01/2000 03:51:00	0
703S	01/01/2000 03:52:00	0
703S	01/01/2000 03:53:00	0
703S	01/01/2000 03:54:00	0
703S	01/01/2000 03:55:00	0
703S	01/01/2000 03:56:00	0
703S	01/01/2000 03:57:00	0
703S	01/01/2000 03:58:00	0
703S	01/01/2000 03:59:00	0
703S	01/01/2000 04:00:00	0
703S	01/01/2000 04:01:00	0
703S	01/01/2000 04:02:00	0
703S	01/01/2000 04:03:00	0
703S	01/01/2000 04:04:00	0
703S	01/01/2000 04:05:00	0
703S	01/01/2000 04:06:00	0
703S	01/01/2000 04:07:00	0
703S	01/01/2000 04:08:00	0
703S	01/01/2000 04:09:00	0
703S	01/01/2000 04:10:00	0
703S	01/01/2000 04:11:00	0
703S	01/01/2000 04:12:00	0
703S	01/01/2000 04:13:00	0
703S	01/01/2000 04:14:00	0
703S	01/01/2000 04:15:00	0
703S	01/01/2000 04:16:00	0
;Flow (m³/s)		
704	01/01/2000 00:00:00	0
704	01/01/2000 00:01:00	0
704	01/01/2000 00:02:00	0
704	01/01/2000 00:03:00	0
704	01/01/2000 00:04:00	0
704	01/01/2000 00:05:00	0
704	01/01/2000 00:06:00	0
704	01/01/2000 00:07:00	0
704	01/01/2000 00:08:00	0
704	01/01/2000 00:09:00	0
704	01/01/2000 00:10:00	0
704	01/01/2000 00:11:00	0
704	01/01/2000 00:12:00	0
704	01/01/2000 00:13:00	0
704	01/01/2000 00:14:00	0
704	01/01/2000 00:15:00	2E-06

704	01/01/2000 00:16:00	6E-06
704	01/01/2000 00:17:00	8E-06
704	01/01/2000 00:18:00	1E-05
704	01/01/2000 00:19:00	1.1E-05
704	01/01/2000 00:20:00	1.1E-05
704	01/01/2000 00:21:00	1.2E-05
704	01/01/2000 00:22:00	1.4E-05
704	01/01/2000 00:23:00	1.5E-05
704	01/01/2000 00:24:00	1.5E-05
704	01/01/2000 00:25:00	1.5E-05
704	01/01/2000 00:26:00	1.5E-05
704	01/01/2000 00:27:00	1.5E-05
704	01/01/2000 00:28:00	1.5E-05
704	01/01/2000 00:29:00	1.5E-05
704	01/01/2000 00:30:00	1.5E-05
704	01/01/2000 00:31:00	1.8E-05
704	01/01/2000 00:32:00	2.1E-05
704	01/01/2000 00:33:00	2.2E-05
704	01/01/2000 00:34:00	2.3E-05
704	01/01/2000 00:35:00	2.4E-05
704	01/01/2000 00:36:00	2.4E-05
704	01/01/2000 00:37:00	2.4E-05
704	01/01/2000 00:38:00	2.4E-05
704	01/01/2000 00:39:00	2.4E-05
704	01/01/2000 00:40:00	2.4E-05
704	01/01/2000 00:41:00	0.00022
704	01/01/2000 00:42:00	0.000634
704	01/01/2000 00:43:00	0.001287
704	01/01/2000 00:44:00	0.002211
704	01/01/2000 00:45:00	0.003433
704	01/01/2000 00:46:00	0.004977
704	01/01/2000 00:47:00	0.006676
704	01/01/2000 00:48:00	0.008533
704	01/01/2000 00:49:00	0.010388
704	01/01/2000 00:50:00	0.012227
704	01/01/2000 00:51:00	0.016869
704	01/01/2000 00:52:00	0.024241
704	01/01/2000 00:53:00	0.031919
704	01/01/2000 00:54:00	0.036
704	01/01/2000 00:55:00	0.036
704	01/01/2000 00:56:00	0.036
704	01/01/2000 00:57:00	0.036
704	01/01/2000 00:58:00	0.036
704	01/01/2000 00:59:00	0.036
704	01/01/2000 01:00:00	0.036
704	01/01/2000 01:01:00	0.036
704	01/01/2000 01:02:00	0.036
704	01/01/2000 01:03:00	0.036
704	01/01/2000 01:04:00	0.036
704	01/01/2000 01:05:00	0.036
704	01/01/2000 01:06:00	0.036
704	01/01/2000 01:07:00	0.036
704	01/01/2000 01:08:00	0.036
704	01/01/2000 01:09:00	0.036
704	01/01/2000 01:10:00	0.036
704	01/01/2000 01:11:00	0.036
704	01/01/2000 01:12:00	0.036
704	01/01/2000 01:13:00	0.036
704	01/01/2000 01:14:00	0.036
704	01/01/2000 01:15:00	0.036
704	01/01/2000 01:16:00	0.036
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704	01/01/2000 01:18:00	0.036
704	01/01/2000 01:19:00	0.036
704	01/01/2000 01:20:00	0.036
704	01/01/2000 01:21:00	0.036
704	01/01/2000 01:22:00	0.036
704	01/01/2000 01:23:00	0.036
704	01/01/2000 01:24:00	0.035344
704	01/01/2000 01:25:00	0.034223
704	01/01/2000 01:26:00	0.033103
704	01/01/2000 01:27:00	0.032156
704	01/01/2000 01:28:00	0.030968
704	01/01/2000 01:29:00	0.02888
704	01/01/2000 01:30:00	0.027068
704	01/01/2000 01:31:00	0.025404
704	01/01/2000 01:32:00	0.023857
704	01/01/2000 01:33:00	0.022403
704	01/01/2000 01:34:00	0.021017
704	01/01/2000 01:35:00	0.019677
704	01/01/2000 01:36:00	0.018367
704	01/01/2000 01:37:00	0.017162
704	01/01/2000 01:38:00	0.016044
704	01/01/2000 01:39:00	0.015074
704	01/01/2000 01:40:00	0.014232
704	01/01/2000 01:41:00	0.013446
704	01/01/2000 01:42:00	0.012703
704	01/01/2000 01:43:00	0.011992
704	01/01/2000 01:44:00	0.011301
704	01/01/2000 01:45:00	0.01062
704	01/01/2000 01:46:00	0.009941
704	01/01/2000 01:47:00	0.009311
704	01/01/2000 01:48:00	0.008721
704	01/01/2000 01:49:00	0.008209
704	01/01/2000 01:50:00	0.007765
704	01/01/2000 01:51:00	0.007342
704	01/01/2000 01:52:00	0.006935
704	01/01/2000 01:53:00	0.006538
704	01/01/2000 01:54:00	0.006143
704	01/01/2000 01:55:00	0.005747
704	01/01/2000 01:56:00	0.005345
704	01/01/2000 01:57:00	0.004969
704	01/01/2000 01:58:00	0.004613
704	01/01/2000 01:59:00	0.004304
704	01/01/2000 02:00:00	0.004035
704	01/01/2000 02:01:00	0.003775
704	01/01/2000 02:02:00	0.003521
704	01/01/2000 02:03:00	0.003269
704	01/01/2000 02:04:00	0.003015
704	01/01/2000 02:05:00	0.002756
704	01/01/2000 02:06:00	0.002489
704	01/01/2000 02:07:00	0.002238
704	01/01/2000 02:08:00	0.002
704	01/01/2000 02:09:00	0.001792
704	01/01/2000 02:10:00	0.001612
704	01/01/2000 02:11:00	0.00145
704	01/01/2000 02:12:00	0.001304
704	01/01/2000 02:13:00	0.00117
704	01/01/2000 02:14:00	0.001048
704	01/01/2000 02:15:00	0.000934
704	01/01/2000 02:16:00	0.000827
704	01/01/2000 02:17:00	0.00073
704	01/01/2000 02:18:00	0.000641
704	01/01/2000 02:19:00	0.000564
704	01/01/2000 02:20:00	0.000495
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704	01/01/2000 02:23:00	0.000336
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704	01/01/2000 02:26:00	0.000229
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704	01/01/2000 02:29:00	0.000157
704	01/01/2000 02:30:00	0.000139
704	01/01/2000 02:31:00	0.000123
704	01/01/2000 02:32:00	0.000109
704	01/01/2000 02:33:00	9.7E-05
704	01/01/2000 02:34:00	8.6E-05
704	01/01/2000 02:35:00	7.6E-05
704	01/01/2000 02:36:00	6.8E-05
704	01/01/2000 02:37:00	6.1E-05
704	01/01/2000 02:38:00	5.4E-05
704	01/01/2000 02:39:00	4.9E-05
704	01/01/2000 02:40:00	4.4E-05
704	01/01/2000 02:41:00	3.9E-05
704	01/01/2000 02:42:00	3.5E-05
704	01/01/2000 02:43:00	3.2E-05
704	01/01/2000 02:44:00	2.9E-05
704	01/01/2000 02:45:00	2.6E-05
704	01/01/2000 02:46:00	2.4E-05
704	01/01/2000 02:47:00	2.2E-05
704	01/01/2000 02:48:00	2E-05
704	01/01/2000 02:49:00	1.9E-05
704	01/01/2000 02:50:00	1.8E-05
704	01/01/2000 02:51:00	1.6E-05
704	01/01/2000 02:52:00	1.5E-05
704	01/01/2000 02:53:00	1.4E-05
704	01/01/2000 02:54:00	1.3E-05
704	01/01/2000 02:55:00	1.2E-05
704	01/01/2000 02:56:00	1.2E-05
704	01/01/2000 02:57:00	1.1E-05
704	01/01/2000 02:58:00	1.1E-05
704	01/01/2000 02:59:00	1E-05
704	01/01/2000 03:00:00	0
704	01/01/2000 03:01:00	0
704	01/01/2000 03:02:00	0
704	01/01/2000 03:03:00	0
704	01/01/2000 03:04:00	0
704	01/01/2000 03:05:00	0
704	01/01/2000 03:06:00	0
704	01/01/2000 03:07:00	0
704	01/01/2000 03:08:00	0
704	01/01/2000 03:09:00	0
704	01/01/2000 03:10:00	0
704	01/01/2000 03:11:00	0
704	01/01/2000 03:12:00	0
704	01/01/2000 03:13:00	0
704	01/01/2000 03:14:00	0
704	01/01/2000 03:15:00	0
704	01/01/2000 03:16:00	0
704	01/01/2000 03:17:00	0
704	01/01/2000 03:18:00	0
704	01/01/2000 03:19:00	0
704	01/01/2000 03:20:00	0
704	01/01/2000 03:21:00	0
704	01/01/2000 03:22:00	0
704	01/01/2000 03:23:00	0
704	01/01/2000 03:24:00	0
704	01/01/2000 03:25:00	0
704	01/01/2000 03:26:00	0
704	01/01/2000 03:27:00	0
704	01/01/2000 03:28:00	0
704	01/01/2000 03:29:00	0
704	01/01/2000 03:30:00	0
704	01/01/2000 03:31:00	0
704	01/01/2000 03:32:00	0
704	01/01/2000 03:33:00	0
704	01/01/2000 03:34:00	0
704	01/01/2000 03:35:00	0
704	01/01/2000 03:36:00	0
704	01/01/2000 03:37:00	0
704	01/01/2000 03:38:00	0
704	01/01/2000 03:39:00	0
704	01/01/2000 03:40:00	0
704	01/01/2000 03:41:00	0
704	01/01/2000 03:42:00	0
704	01/01/2000 03:43:00	0
704	01/01/2000 03:44:00	0
704	01/01/2000 03:45:00	0
704	01/01/2000 03:46:00	0
704	01/01/2000 03:47:00	0
704	01/01/2000 03:48:00	0
704	01/01/2000 03:49:00	0
704	01/01/2000 03:50:00	0
704	01/01/2000 03:51:00	0
704	01/01/2000 03:52:00	0
704	01/01/2000 03:53:00	0
704	01/01/2000 03:54:00	0
704	01/01/2000 03:55:00	0
704	01/01/2000 03:56:00	0
704	01/01/2000 03:57:00	0
704	01/01/2000 03:58:00	0
704	01/01/2000 03:59:00	0
704	01/01/2000 04:00:00	0
704	01/01/2000 04:01:00	0
704	01/01/2000 04:02:00	0
704	01/01/2000 04:03:00	0
704	01/01/2000 04:04:00	0
704	01/01/2000 04:05:00	0
704	01/01/2000 04:06:00	0
704	01/01/2000 04:07:00	0
704	01/01/2000 04:08:00	0
704	01/01/2000 04:09:00	0
704	01/01/2000 04:10:00	0
704	01/01/2000 04:11:00	0
704	01/01/2000 04:12:00	0
704	01/01/2000 04:13:00	0
704	01/01/2000 04:14:00	0
704	01/01/2000 04:15:00	0
704	01/01/2000 04:16:00	0

;Flow (m^3/s)

705	01/01/2000 00:00:00	0
705	01/01/2000 00:01:00	0
705	01/01/2000 00:02:00	0
705	01/01/2000 00:03:00	0
705	01/01/2000 00:04:00	0
705	01/01/2000 00:05:00	0
705	01/01/2000 00:06:00	0
705	01/01/2000 00:07:00	0
705	01/01/2000 00:08:00	0
705	01/01/2000 00:09:00	0
705	01/01/2000 00:10:00	0
705	01/01/2000 00:11:00	0
705	01/01/2000 00:12:00	0
705	01/01/2000 00:13:00	0
705	01/01/2000 00:14:00	0
705	01/01/2000 00:15:00	0.00015
705	01/01/2000 00:16:00	0.000738
705	01/01/2000 00:17:00	0.001635
705	01/01/2000 00:18:00	0.00238
705	01/01/2000 00:19:00	0.002843
705	01/01/2000 00:20:00	0.003129
705	01/01/2000 00:21:00	0.003405
705	01/01/2000 00:22:00	0.003813
705	01/01/2000 00:23:00	0.004203
705	01/01/2000 00:24:00	0.004446
705	01/01/2000 00:25:00	0.004596
705	01/01/2000 00:26:00	0.004689
705	01/01/2000 00:27:00	0.004747
705	01/01/2000 00:28:00	0.004782
705	01/01/2000 00:29:00	0.004804
705	01/01/2000 00:30:00	0.004818
705	01/01/2000 00:31:00	0.005046
705	01/01/2000 00:32:00	0.005713
705	01/01/2000 00:33:00	0.006433
705	01/01/2000 00:34:00	0.006881
705	01/01/2000 00:35:00	0.007158
705	01/01/2000 00:36:00	0.00733
705	01/01/2000 00:37:00	0.007436
705	01/01/2000 00:38:00	0.007501
705	01/01/2000 00:39:00	0.007542
705	01/01/2000 00:40:00	0.007567
705	01/01/2000 00:41:00	0.008579
705	01/01/2000 00:42:00	0.011595
705	01/01/2000 00:43:00	0.014997
705	01/01/2000 00:44:00	0.017418
705	01/01/2000 00:45:00	0.019307
705	01/01/2000 00:46:00	0.020839
705	01/01/2000 00:47:00	0.022071
705	01/01/2000 00:48:00	0.023064
705	01/01/2000 00:49:00	0.023648
705	01/01/2000 00:50:00	0.024364
705	01/01/2000 00:51:00	0.028929
705	01/01/2000 00:52:00	0.032
705	01/01/2000 00:53:00	0.032
705	01/01/2000 00:54:00	0.032089

705	01/01/2000 00:55:00	0.032714
705	01/01/2000 00:56:00	0.033
705	01/01/2000 00:57:00	0.033
705	01/01/2000 00:58:00	0.033
705	01/01/2000 00:59:00	0.033
705	01/01/2000 01:00:00	0.034
705	01/01/2000 01:01:00	0.034
705	01/01/2000 01:02:00	0.034
705	01/01/2000 01:03:00	0.034
705	01/01/2000 01:04:00	0.034
705	01/01/2000 01:05:00	0.034
705	01/01/2000 01:06:00	0.034
705	01/01/2000 01:07:00	0.034
705	01/01/2000 01:08:00	0.034
705	01/01/2000 01:09:00	0.034
705	01/01/2000 01:10:00	0.034
705	01/01/2000 01:11:00	0.034
705	01/01/2000 01:12:00	0.034
705	01/01/2000 01:13:00	0.034
705	01/01/2000 01:14:00	0.034
705	01/01/2000 01:15:00	0.034
705	01/01/2000 01:16:00	0.034
705	01/01/2000 01:17:00	0.034
705	01/01/2000 01:18:00	0.034
705	01/01/2000 01:19:00	0.034
705	01/01/2000 01:20:00	0.034
705	01/01/2000 01:21:00	0.034
705	01/01/2000 01:22:00	0.034
705	01/01/2000 01:23:00	0.034
705	01/01/2000 01:24:00	0.033868
705	01/01/2000 01:25:00	0.033604
705	01/01/2000 01:26:00	0.033351
705	01/01/2000 01:27:00	0.033112
705	01/01/2000 01:28:00	0.033
705	01/01/2000 01:29:00	0.033
705	01/01/2000 01:30:00	0.033
705	01/01/2000 01:31:00	0.033
705	01/01/2000 01:32:00	0.033
705	01/01/2000 01:33:00	0.033
705	01/01/2000 01:34:00	0.033
705	01/01/2000 01:35:00	0.033
705	01/01/2000 01:36:00	0.033
705	01/01/2000 01:37:00	0.033
705	01/01/2000 01:38:00	0.033
705	01/01/2000 01:39:00	0.033
705	01/01/2000 01:40:00	0.033
705	01/01/2000 01:41:00	0.033
705	01/01/2000 01:42:00	0.033
705	01/01/2000 01:43:00	0.033
705	01/01/2000 01:44:00	0.033
705	01/01/2000 01:45:00	0.033
705	01/01/2000 01:46:00	0.032838
705	01/01/2000 01:47:00	0.032625
705	01/01/2000 01:48:00	0.032412
705	01/01/2000 01:49:00	0.0322
705	01/01/2000 01:50:00	0.032
705	01/01/2000 01:51:00	0.032
705	01/01/2000 01:52:00	0.032
705	01/01/2000 01:53:00	0.032
705	01/01/2000 01:54:00	0.032
705	01/01/2000 01:55:00	0.015035
705	01/01/2000 01:56:00	0.005797
705	01/01/2000 01:57:00	0.005597
705	01/01/2000 01:58:00	0.005494
705	01/01/2000 01:59:00	0.005416
705	01/01/2000 02:00:00	0.005355
705	01/01/2000 02:01:00	0.005252
705	01/01/2000 02:02:00	0.005047
705	01/01/2000 02:03:00	0.004821
705	01/01/2000 02:04:00	0.004642
705	01/01/2000 02:05:00	0.004489
705	01/01/2000 02:06:00	0.004361
705	01/01/2000 02:07:00	0.004265
705	01/01/2000 02:08:00	0.004192
705	01/01/2000 02:09:00	0.004136
705	01/01/2000 02:10:00	0.004093
705	01/01/2000 02:11:00	0.004022
705	01/01/2000 02:12:00	0.003884
705	01/01/2000 02:13:00	0.003739
705	01/01/2000 02:14:00	0.00364
705	01/01/2000 02:15:00	0.00357
705	01/01/2000 02:16:00	0.003519
705	01/01/2000 02:17:00	0.003482
705	01/01/2000 02:18:00	0.003456
705	01/01/2000 02:19:00	0.003437
705	01/01/2000 02:20:00	0.003423
705	01/01/2000 02:21:00	0.003385
705	01/01/2000 02:22:00	0.003293
705	01/01/2000 02:23:00	0.003196
705	01/01/2000 02:24:00	0.003135
705	01/01/2000 02:25:00	0.003096
705	01/01/2000 02:26:00	0.003071
705	01/01/2000 02:27:00	0.003056
705	01/01/2000 02:28:00	0.003045
705	01/01/2000 02:29:00	0.003039
705	01/01/2000 02:30:00	0.003034
705	01/01/2000 02:31:00	0.003009
705	01/01/2000 02:32:00	0.00294
705	01/01/2000 02:33:00	0.002866
705	01/01/2000 02:34:00	0.00282
705	01/01/2000 02:35:00	0.002791
705	01/01/2000 02:36:00	0.002774
705	01/01/2000 02:37:00	0.002763
705	01/01/2000 02:38:00	0.002756
705	01/01/2000 02:39:00	0.002751
705	01/01/2000 02:40:00	0.002749
705	01/01/2000 02:41:00	0.002729
705	01/01/2000 02:42:00	0.002673
705	01/01/2000 02:43:00	0.002613
705	01/01/2000 02:44:00	0.002576
705	01/01/2000 02:45:00	0.002553
705	01/01/2000 02:46:00	0.002539
705	01/01/2000 02:47:00	0.00253
705	01/01/2000 02:48:00	0.002524
705	01/01/2000 02:49:00	0.002521
705	01/01/2000 02:50:00	0.002519
705	01/01/2000 02:51:00	0.002502
705	01/01/2000 02:52:00	0.002456
705	01/01/2000 02:53:00	0.002406
705	01/01/2000 02:54:00	0.002375
705	01/01/2000 02:55:00	0.002356
705	01/01/2000 02:56:00	0.002344
705	01/01/2000 02:57:00	0.002336
705	01/01/2000 02:58:00	0.002332
705	01/01/2000 02:59:00	0.002329
705	01/01/2000 03:00:00	0.002327
705	01/01/2000 03:01:00	0.002141
705	01/01/2000 03:02:00	0.001585
705	01/01/2000 03:03:00	0.000982
705	01/01/2000 03:04:00	0.000608
705	01/01/2000 03:05:00	0.000376
705	01/01/2000 03:06:00	0.000233
705	01/01/2000 03:07:00	0.000144
705	01/01/2000 03:08:00	8.9E-05
705	01/01/2000 03:09:00	5.5E-05
705	01/01/2000 03:10:00	3.4E-05
705	01/01/2000 03:11:00	2.1E-05
705	01/01/2000 03:12:00	1.3E-05
705	01/01/2000 03:13:00	0
705	01/01/2000 03:14:00	0
705	01/01/2000 03:15:00	0
705	01/01/2000 03:16:00	0
705	01/01/2000 03:17:00	0
705	01/01/2000 03:18:00	0
705	01/01/2000 03:19:00	0
705	01/01/2000 03:20:00	0
705	01/01/2000 03:21:00	0
705	01/01/2000 03:22:00	0
705	01/01/2000 03:23:00	0
705	01/01/2000 03:24:00	0
705	01/01/2000 03:25:00	0
705	01/01/2000 03:26:00	0
705	01/01/2000 03:27:00	0
705	01/01/2000 03:28:00	0
705	01/01/2000 03:29:00	0
705	01/01/2000 03:30:00	0
705	01/01/2000 03:31:00	0
705	01/01/2000 03:32:00	0
705	01/01/2000 03:33:00	0
705	01/01/2000 03:34:00	0
705	01/01/2000 03:35:00	0
705	01/01/2000 03:36:00	0
705	01/01/2000 03:37:00	0
705	01/01/2000 03:38:00	0
705	01/01/2000 03:39:00	0
705	01/01/2000 03:40:00	0
705	01/01/2000 03:41:00	0
705	01/01/2000 03:42:00	0
705	01/01/2000 03:43:00	0
705	01/01/2000 03:44:00	0
705	01/01/2000 03:45:00	0
705	01/01/2000 03:46:00	0
705	01/01/2000 03:47:00	0
705	01/01/2000 03:48:00	0
705	01/01/2000 03:49:00	0
705	01/01/2000 03:50:00	0
705	01/01/2000 03:51:00	0
705	01/01/2000 03:52:00	0
705	01/01/2000 03:53:00	0
705	01/01/2000 03:54:00	0
705	01/01/2000 03:55:00	0
705	01/01/2000 03:56:00	0
705	01/01/2000 03:57:00	0
705	01/01/2000 03:58:00	0
705	01/01/2000 03:59:00	0
705	01/01/2000 04:00:00	0
705	01/01/2000 04:01:00	0
705	01/01/2000 04:02:00	0
705	01/01/2000 04:03:00	0
705	01/01/2000 04:04:00	0
705	01/01/2000 04:05:00	0
705	01/01/2000 04:06:00	0
705	01/01/2000 04:07:00	0
705	01/01/2000 04:08:00	0
705	01/01/2000 04:09:00	0
705	01/01/2000 04:10:00	0
705	01/01/2000 04:11:00	0
705	01/01/2000 04:12:00	0
705	01/01/2000 04:13:00	0
705	01/01/2000 04:14:00	0
705	01/01/2000 04:15:00	0
705	01/01/2000 04:16:00	0

;Flow (m³/s)

710	01/01/2000 00:00:00	0
710	01/01/2000 00:01:00	0
710	01/01/2000 00:02:00	0
710	01/01/2000 00:03:00	0
710	01/01/2000 00:04:00	0
710	01/01/2000 00:05:00	0
710	01/01/2000 00:06:00	0
710	01/01/2000 00:07:00	0
710	01/01/2000 00:08:00	0
710	01/01/2000 00:09:00	0
710	01/01/2000 00:10:00	0
710	01/01/2000 00:11:00	0
710	01/01/2000 00:12:00	0
710	01/01/2000 00:13:00	0
710	01/01/2000 00:14:00	0
710	01/01/2000 00:15:00	0.000293
710	01/01/2000 00:16:00	0.001244
710	01/01/2000 00:17:00	0.002495
710	01/01/2000 00:18:00	0.003444
710	01/01/2000 00:19:00	0.004008
710	01/01/2000 00:20:00	0.004339
710	01/01/2000 00:21:00	0.004727
710	01/01/2000 00:22:00	0.005295
710	01/01/2000 00:23:00	0.005782
710	01/01/2000 00:24:00	0.006074
710	01/01/2000 00:25:00	0.006246
710	01/01/2000 00:26:00	0.006348
710	01/01/2000 00:27:00	0.006409
710	01/01/2000 00:28:00	0.006445
710	01/01/2000 00:29:00	0.006467
710	01/01/2000 00:30:00	0.006481
710	01/01/2000 00:31:00	0.006917
710	01/01/2000 00:32:00	0.007928
710	01/01/2000 00:33:00	0.008859
710	01/01/2000 00:34:00	0.009416
710	01/01/2000 00:35:00	0.009742
710	01/01/2000 00:36:00	0.009934
710	01/01/2000 00:37:00	0.010048
710	01/01/2000 00:38:00	0.010116
710	01/01/2000 00:39:00	0.010156
710	01/01/2000 00:40:00	0.010181
710	01/01/2000 00:41:00	0.012206
710	01/01/2000 00:42:00	0.017054
710	01/01/2000 00:43:00	0.022028
710	01/01/2000 00:44:00	0.025858
710	01/01/2000 00:45:00	0.028914
710	01/01/2000 00:46:00	0.031413
710	01/01/2000 00:47:00	0.033493
710	01/01/2000 00:48:00	0.035233
710	01/01/2000 00:49:00	0.036639
710	01/01/2000 00:50:00	0.037591
710	01/01/2000 00:51:00	0.045752
710	01/01/2000 00:52:00	0.050647
710	01/01/2000 00:53:00	0.052348
710	01/01/2000 00:54:00	0.052754
710	01/01/2000 00:55:00	0.053
710	01/01/2000 00:56:00	0.053
710	01/01/2000 00:57:00	0.054754
710	01/01/2000 00:58:00	0.055
710	01/01/2000 00:59:00	0.055
710	01/01/2000 01:00:00	0.055
710	01/01/2000 01:01:00	0.055
710	01/01/2000 01:02:00	0.055
710	01/01/2000 01:03:00	0.055
710	01/01/2000 01:04:00	0.055
710	01/01/2000 01:05:00	0.055
710	01/01/2000 01:06:00	0.055
710	01/01/2000 01:07:00	0.055
710	01/01/2000 01:08:00	0.055
710	01/01/2000 01:09:00	0.055
710	01/01/2000 01:10:00	0.055
710	01/01/2000 01:11:00	0.055
710	01/01/2000 01:12:00	0.055
710	01/01/2000 01:13:00	0.055
710	01/01/2000 01:14:00	0.055
710	01/01/2000 01:15:00	0.055
710	01/01/2000 01:16:00	0.055
710	01/01/2000 01:17:00	0.054845
710	01/01/2000 01:18:00	0.054544
710	01/01/2000 01:19:00	0.054253
710	01/01/2000 01:20:00	0.054
710	01/01/2000 01:21:00	0.054
710	01/01/2000 01:22:00	0.05383
710	01/01/2000 01:23:00	0.053542
710	01/01/2000 01:24:00	0.053189
710	01/01/2000 01:25:00	0.052319
710	01/01/2000 01:26:00	0.05169
710	01/01/2000 01:27:00	0.051169
710	01/01/2000 01:28:00	0.050727
710	01/01/2000 01:29:00	0.050353
710	01/01/2000 01:30:00	0.050037
710	01/01/2000 01:31:00	0.049742
710	01/01/2000 01:32:00	0.049463
710	01/01/2000 01:33:00	0.049193

710	01/01/2000 01:34:00	0.048927
710	01/01/2000 01:35:00	0.04866
710	01/01/2000 01:36:00	0.048387
710	01/01/2000 01:37:00	0.048157
710	01/01/2000 01:38:00	0.047962
710	01/01/2000 01:39:00	0.047797
710	01/01/2000 01:40:00	0.047597
710	01/01/2000 01:41:00	0.047338
710	01/01/2000 01:42:00	0.047079
710	01/01/2000 01:43:00	0.04682
710	01/01/2000 01:44:00	0.046555
710	01/01/2000 01:45:00	0.046287
710	01/01/2000 01:46:00	0.04601
710	01/01/2000 01:47:00	0.044663
710	01/01/2000 01:48:00	0.028886
710	01/01/2000 01:49:00	0.013438
710	01/01/2000 01:50:00	0.011743
710	01/01/2000 01:51:00	0.010877
710	01/01/2000 01:52:00	0.010145
710	01/01/2000 01:53:00	0.009528
710	01/01/2000 01:54:00	0.009037
710	01/01/2000 01:55:00	0.008649
710	01/01/2000 01:56:00	0.008351
710	01/01/2000 01:57:00	0.008132
710	01/01/2000 01:58:00	0.007969
710	01/01/2000 01:59:00	0.007844
710	01/01/2000 02:00:00	0.007749
710	01/01/2000 02:01:00	0.007558
710	01/01/2000 02:02:00	0.007209
710	01/01/2000 02:03:00	0.006841
710	01/01/2000 02:04:00	0.00652
710	01/01/2000 02:05:00	0.006257
710	01/01/2000 02:06:00	0.00605
710	01/01/2000 02:07:00	0.005898
710	01/01/2000 02:08:00	0.005781
710	01/01/2000 02:09:00	0.005694
710	01/01/2000 02:10:00	0.005626
710	01/01/2000 02:11:00	0.005501
710	01/01/2000 02:12:00	0.005284
710	01/01/2000 02:13:00	0.005079
710	01/01/2000 02:14:00	0.004935
710	01/01/2000 02:15:00	0.004834
710	01/01/2000 02:16:00	0.00476
710	01/01/2000 02:17:00	0.004709
710	01/01/2000 02:18:00	0.004671
710	01/01/2000 02:19:00	0.004643
710	01/01/2000 02:20:00	0.004621
710	01/01/2000 02:21:00	0.004551
710	01/01/2000 02:22:00	0.004411
710	01/01/2000 02:23:00	0.004282
710	01/01/2000 02:24:00	0.004205
710	01/01/2000 02:25:00	0.004157
710	01/01/2000 02:26:00	0.004128
710	01/01/2000 02:27:00	0.004108
710	01/01/2000 02:28:00	0.004096
710	01/01/2000 02:29:00	0.004087
710	01/01/2000 02:30:00	0.004082
710	01/01/2000 02:31:00	0.004034
710	01/01/2000 02:32:00	0.00393
710	01/01/2000 02:33:00	0.003823
710	01/01/2000 02:34:00	0.003767
710	01/01/2000 02:35:00	0.003734
710	01/01/2000 02:36:00	0.003714
710	01/01/2000 02:37:00	0.003703
710	01/01/2000 02:38:00	0.003696
710	01/01/2000 02:39:00	0.003692
710	01/01/2000 02:40:00	0.003689
710	01/01/2000 02:41:00	0.003652
710	01/01/2000 02:42:00	0.003568
710	01/01/2000 02:43:00	0.003491
710	01/01/2000 02:44:00	0.003445
710	01/01/2000 02:45:00	0.003417
710	01/01/2000 02:46:00	0.003401
710	01/01/2000 02:47:00	0.003392
710	01/01/2000 02:48:00	0.003386
710	01/01/2000 02:49:00	0.003383
710	01/01/2000 02:50:00	0.003381
710	01/01/2000 02:51:00	0.00335
710	01/01/2000 02:52:00	0.003281
710	01/01/2000 02:53:00	0.003215
710	01/01/2000 02:54:00	0.003177
710	01/01/2000 02:55:00	0.003154
710	01/01/2000 02:56:00	0.003141
710	01/01/2000 02:57:00	0.003133
710	01/01/2000 02:58:00	0.003129
710	01/01/2000 02:59:00	0.003126
710	01/01/2000 03:00:00	0.003124
710	01/01/2000 03:01:00	0.002764
710	01/01/2000 03:02:00	0.00192
710	01/01/2000 03:03:00	0.00114
710	01/01/2000 03:04:00	0.000674
710	01/01/2000 03:05:00	0.000401
710	01/01/2000 03:06:00	0.000239
710	01/01/2000 03:07:00	0.000137
710	01/01/2000 03:08:00	8.5E-05
710	01/01/2000 03:09:00	5.2E-05
710	01/01/2000 03:10:00	3.2E-05
710	01/01/2000 03:11:00	2E-05
710	01/01/2000 03:12:00	1.2E-05
710	01/01/2000 03:13:00	0
710	01/01/2000 03:14:00	0
710	01/01/2000 03:15:00	0
710	01/01/2000 03:16:00	0
710	01/01/2000 03:17:00	0
710	01/01/2000 03:18:00	0
710	01/01/2000 03:19:00	0
710	01/01/2000 03:20:00	0
710	01/01/2000 03:21:00	0
710	01/01/2000 03:22:00	0
710	01/01/2000 03:23:00	0
710	01/01/2000 03:24:00	0
710	01/01/2000 03:25:00	0
710	01/01/2000 03:26:00	0
710	01/01/2000 03:27:00	0
710	01/01/2000 03:28:00	0
710	01/01/2000 03:29:00	0
710	01/01/2000 03:30:00	0
710	01/01/2000 03:31:00	0
710	01/01/2000 03:32:00	0
710	01/01/2000 03:33:00	0
710	01/01/2000 03:34:00	0
710	01/01/2000 03:35:00	0
710	01/01/2000 03:36:00	0
710	01/01/2000 03:37:00	0
710	01/01/2000 03:38:00	0
710	01/01/2000 03:39:00	0
710	01/01/2000 03:40:00	0
710	01/01/2000 03:41:00	0
710	01/01/2000 03:42:00	0
710	01/01/2000 03:43:00	0
710	01/01/2000 03:44:00	0
710	01/01/2000 03:45:00	0
710	01/01/2000 03:46:00	0
710	01/01/2000 03:47:00	0
710	01/01/2000 03:48:00	0
710	01/01/2000 03:49:00	0
710	01/01/2000 03:50:00	0
710	01/01/2000 03:51:00	0
710	01/01/2000 03:52:00	0
710	01/01/2000 03:53:00	0
710	01/01/2000 03:54:00	0
710	01/01/2000 03:55:00	0
710	01/01/2000 03:56:00	0
710	01/01/2000 03:57:00	0
710	01/01/2000 03:58:00	0
710	01/01/2000 03:59:00	0
710	01/01/2000 04:00:00	0
710	01/01/2000 04:01:00	0
710	01/01/2000 04:02:00	0
710	01/01/2000 04:03:00	0
710	01/01/2000 04:04:00	0
710	01/01/2000 04:05:00	0
710	01/01/2000 04:06:00	0
710	01/01/2000 04:07:00	0
710	01/01/2000 04:08:00	0
710	01/01/2000 04:09:00	0
710	01/01/2000 04:10:00	0
710	01/01/2000 04:11:00	0
710	01/01/2000 04:12:00	0
710	01/01/2000 04:13:00	0
710	01/01/2000 04:14:00	0
710	01/01/2000 04:15:00	0
710	01/01/2000 04:16:00	0

;Flow (m³/s)

711	01/01/2000 00:00:00	0
711	01/01/2000 00:01:00	0
711	01/01/2000 00:02:00	0
711	01/01/2000 00:03:00	0
711	01/01/2000 00:04:00	0
711	01/01/2000 00:05:00	0
711	01/01/2000 00:06:00	0
711	01/01/2000 00:07:00	0
711	01/01/2000 00:08:00	0
711	01/01/2000 00:09:00	0
711	01/01/2000 00:10:00	0
711	01/01/2000 00:11:00	0
711	01/01/2000 00:12:00	0
711	01/01/2000 00:13:00	0
711	01/01/2000 00:14:00	0
711	01/01/2000 00:15:00	0.000257
711	01/01/2000 00:16:00	0.001224
711	01/01/2000 00:17:00	0.002577
711	01/01/2000 00:18:00	0.003534
711	01/01/2000 00:19:00	0.004024
711	01/01/2000 00:20:00	0.004296
711	01/01/2000 00:21:00	0.004613
711	01/01/2000 00:22:00	0.005178
711	01/01/2000 00:23:00	0.005677
711	01/01/2000 00:24:00	0.005922
711	01/01/2000 00:25:00	0.006059
711	01/01/2000 00:26:00	0.006133
711	01/01/2000 00:27:00	0.006174
711	01/01/2000 00:28:00	0.006196
711	01/01/2000 00:29:00	0.006208
711	01/01/2000 00:30:00	0.006215
711	01/01/2000 00:31:00	0.006595
711	01/01/2000 00:32:00	0.007673
711	01/01/2000 00:33:00	0.008685
711	01/01/2000 00:34:00	0.009176
711	01/01/2000 00:35:00	0.009453
711	01/01/2000 00:36:00	0.009602
711	01/01/2000 00:37:00	0.009684
711	01/01/2000 00:38:00	0.009728
711	01/01/2000 00:39:00	0.009752
711	01/01/2000 00:40:00	0.009765
711	01/01/2000 00:41:00	0.011605
711	01/01/2000 00:42:00	0.016887
711	01/01/2000 00:43:00	0.022408
711	01/01/2000 00:44:00	0.025883
711	01/01/2000 00:45:00	0.028285
711	01/01/2000 00:46:00	0.030053
711	01/01/2000 00:47:00	0.031275
711	01/01/2000 00:48:00	0.03211
711	01/01/2000 00:49:00	0.033071
711	01/01/2000 00:50:00	0.033986
711	01/01/2000 00:51:00	0.042005
711	01/01/2000 00:52:00	0.042232
711	01/01/2000 00:53:00	0.042701
711	01/01/2000 00:54:00	0.043
711	01/01/2000 00:55:00	0.044
711	01/01/2000 00:56:00	0.044
711	01/01/2000 00:57:00	0.044407
711	01/01/2000 00:58:00	0.045
711	01/01/2000 00:59:00	0.045
711	01/01/2000 01:00:00	0.045
711	01/01/2000 01:01:00	0.045
711	01/01/2000 01:02:00	0.045
711	01/01/2000 01:03:00	0.045
711	01/01/2000 01:04:00	0.045
711	01/01/2000 01:05:00	0.044578
711	01/01/2000 01:06:00	0.044212
711	01/01/2000 01:07:00	0.044
711	01/01/2000 01:08:00	0.044
711	01/01/2000 01:09:00	0.044
711	01/01/2000 01:10:00	0.044
711	01/01/2000 01:11:00	0.044
711	01/01/2000 01:12:00	0.044
711	01/01/2000 01:13:00	0.044
711	01/01/2000 01:14:00	0.044
711	01/01/2000 01:15:00	0.044
711	01/01/2000 01:16:00	0.044
711	01/01/2000 01:17:00	0.044
711	01/01/2000 01:18:00	0.044
711	01/01/2000 01:19:00	0.044
711	01/01/2000 01:20:00	0.044
711	01/01/2000 01:21:00	0.044
711	01/01/2000 01:22:00	0.043642
711	01/01/2000 01:23:00	0.043
711	01/01/2000 01:24:00	0.043
711	01/01/2000 01:25:00	0.043
711	01/01/2000 01:26:00	0.042978
711	01/01/2000 01:27:00	0.04283
711	01/01/2000 01:28:00	0.042681
711	01/01/2000 01:29:00	0.04253
711	01/01/2000 01:30:00	0.04238
711	01/01/2000 01:31:00	0.042228
711	01/01/2000 01:32:00	0.04207
711	01/01/2000 01:33:00	0.030804
711	01/01/2000 01:34:00	0.011382
711	01/01/2000 01:35:00	0.013411
711	01/01/2000 01:36:00	0.012662
711	01/01/2000 01:37:00	0.012463
711	01/01/2000 01:38:00	0.012291
711	01/01/2000 01:39:00	0.012183
711	01/01/2000 01:40:00	0.012112
711	01/01/2000 01:41:00	0.011825
711	01/01/2000 01:42:00	0.011107
711	01/01/2000 01:43:00	0.010312
711	01/01/2000 01:44:00	0.009768
711	01/01/2000 01:45:00	0.009424
711	01/01/2000 01:46:00	0.009198
711	01/01/2000 01:47:00	0.009048
711	01/01/2000 01:48:00	0.008949
711	01/01/2000 01:49:00	0.008883
711	01/01/2000 01:50:00	0.00884
711	01/01/2000 01:51:00	0.008651
711	01/01/2000 01:52:00	0.008176
711	01/01/2000 01:53:00	0.007648
711	01/01/2000 01:54:00	0.007287
711	01/01/2000 01:55:00	0.007057
711	01/01/2000 01:56:00	0.006906
711	01/01/2000 01:57:00	0.006805
711	01/01/2000 01:58:00	0.006738
711	01/01/2000 01:59:00	0.006692
711	01/01/2000 02:00:00	0.006662
711	01/01/2000 02:01:00	0.006528
711	01/01/2000 02:02:00	0.006189
711	01/01/2000 02:03:00	0.005813
711	01/01/2000 02:04:00	0.005555
711	01/01/2000 02:05:00	0.00539
711	01/01/2000 02:06:00	0.005281
711	01/01/2000 02:07:00	0.005208
711	01/01/2000 02:08:00	0.005159
711	01/01/2000 02:09:00	0.005125
711	01/01/2000 02:10:00	0.005102
711	01/01/2000 02:11:00	0.00502
711	01/01/2000 02:12:00	0.004819

711	01/01/2000 02:13:00	0.004623
711	01/01/2000 02:14:00	0.004513
711	01/01/2000 02:15:00	0.004447
711	01/01/2000 02:16:00	0.004408
711	01/01/2000 02:17:00	0.004383
711	01/01/2000 02:18:00	0.004368
711	01/01/2000 02:19:00	0.004358
711	01/01/2000 02:20:00	0.004351
711	01/01/2000 02:21:00	0.004299
711	01/01/2000 02:22:00	0.004161
711	01/01/2000 02:23:00	0.004031
711	01/01/2000 02:24:00	0.003967
711	01/01/2000 02:25:00	0.003932
711	01/01/2000 02:26:00	0.003912
711	01/01/2000 02:27:00	0.003901
711	01/01/2000 02:28:00	0.003895
711	01/01/2000 02:29:00	0.003892
711	01/01/2000 02:30:00	0.00389
711	01/01/2000 02:31:00	0.003851
711	01/01/2000 02:32:00	0.003742
711	01/01/2000 02:33:00	0.003639
711	01/01/2000 02:34:00	0.003589
711	01/01/2000 02:35:00	0.003561
711	01/01/2000 02:36:00	0.003546
711	01/01/2000 02:37:00	0.003538
711	01/01/2000 02:38:00	0.003533
711	01/01/2000 02:39:00	0.003531
711	01/01/2000 02:40:00	0.00353
711	01/01/2000 02:41:00	0.003498
711	01/01/2000 02:42:00	0.003408
711	01/01/2000 02:43:00	0.003325
711	01/01/2000 02:44:00	0.003284
711	01/01/2000 02:45:00	0.003261
711	01/01/2000 02:46:00	0.003249
711	01/01/2000 02:47:00	0.003242
711	01/01/2000 02:48:00	0.003238
711	01/01/2000 02:49:00	0.003236
711	01/01/2000 02:50:00	0.003235
711	01/01/2000 02:51:00	0.003209
711	01/01/2000 02:52:00	0.003134
711	01/01/2000 02:53:00	0.003064
711	01/01/2000 02:54:00	0.00303
711	01/01/2000 02:55:00	0.003011
711	01/01/2000 02:56:00	0.003001
711	01/01/2000 02:57:00	0.002995
711	01/01/2000 02:58:00	0.002992
711	01/01/2000 02:59:00	0.00299
711	01/01/2000 03:00:00	0.00299
711	01/01/2000 03:01:00	0.002673
711	01/01/2000 03:02:00	0.001769
711	01/01/2000 03:03:00	0.00092
711	01/01/2000 03:04:00	0.000507
711	01/01/2000 03:05:00	0.000275
711	01/01/2000 03:06:00	0.00015
711	01/01/2000 03:07:00	8.2E-05
711	01/01/2000 03:08:00	4.5E-05
711	01/01/2000 03:09:00	2.4E-05
711	01/01/2000 03:10:00	1.3E-05
711	01/01/2000 03:11:00	0
711	01/01/2000 03:12:00	0
711	01/01/2000 03:13:00	0
711	01/01/2000 03:14:00	0
711	01/01/2000 03:15:00	0
711	01/01/2000 03:16:00	0
711	01/01/2000 03:17:00	0
711	01/01/2000 03:18:00	0
711	01/01/2000 03:19:00	0
711	01/01/2000 03:20:00	0
711	01/01/2000 03:21:00	0
711	01/01/2000 03:22:00	0
711	01/01/2000 03:23:00	0
711	01/01/2000 03:24:00	0
711	01/01/2000 03:25:00	0
711	01/01/2000 03:26:00	0
711	01/01/2000 03:27:00	0
711	01/01/2000 03:28:00	0
711	01/01/2000 03:29:00	0
711	01/01/2000 03:30:00	0
711	01/01/2000 03:31:00	0
711	01/01/2000 03:32:00	0
711	01/01/2000 03:33:00	0
711	01/01/2000 03:34:00	0
711	01/01/2000 03:35:00	0
711	01/01/2000 03:36:00	0
711	01/01/2000 03:37:00	0
711	01/01/2000 03:38:00	0
711	01/01/2000 03:39:00	0
711	01/01/2000 03:40:00	0
711	01/01/2000 03:41:00	0
711	01/01/2000 03:42:00	0
711	01/01/2000 03:43:00	0
711	01/01/2000 03:44:00	0
711	01/01/2000 03:45:00	0
711	01/01/2000 03:46:00	0
711	01/01/2000 03:47:00	0
711	01/01/2000 03:48:00	0
711	01/01/2000 03:49:00	0
711	01/01/2000 03:50:00	0
711	01/01/2000 03:51:00	0
711	01/01/2000 03:52:00	0
711	01/01/2000 03:53:00	0
711	01/01/2000 03:54:00	0
711	01/01/2000 03:55:00	0
711	01/01/2000 03:56:00	0
711	01/01/2000 03:57:00	0
711	01/01/2000 03:58:00	0
711	01/01/2000 03:59:00	0
711	01/01/2000 04:00:00	0
711	01/01/2000 04:01:00	0
711	01/01/2000 04:02:00	0
711	01/01/2000 04:03:00	0
711	01/01/2000 04:04:00	0
711	01/01/2000 04:05:00	0
711	01/01/2000 04:06:00	0
711	01/01/2000 04:07:00	0
711	01/01/2000 04:08:00	0
711	01/01/2000 04:09:00	0
711	01/01/2000 04:10:00	0
711	01/01/2000 04:11:00	0
711	01/01/2000 04:12:00	0
711	01/01/2000 04:13:00	0
711	01/01/2000 04:14:00	0
711	01/01/2000 04:15:00	0
711	01/01/2000 04:16:00	0

;Flow (m³/s)

712E	01/01/2000 00:00:00	0
712E	01/01/2000 00:01:00	0
712E	01/01/2000 00:02:00	0
712E	01/01/2000 00:03:00	0
712E	01/01/2000 00:04:00	0
712E	01/01/2000 00:05:00	0
712E	01/01/2000 00:06:00	0
712E	01/01/2000 00:07:00	0
712E	01/01/2000 00:08:00	0
712E	01/01/2000 00:09:00	0
712E	01/01/2000 00:10:00	0
712E	01/01/2000 00:11:00	0
712E	01/01/2000 00:12:00	0
712E	01/01/2000 00:13:00	0
712E	01/01/2000 00:14:00	0
712E	01/01/2000 00:15:00	0.000141
712E	01/01/2000 00:16:00	0.000689
712E	01/01/2000 00:17:00	0.001535
712E	01/01/2000 00:18:00	0.002257
712E	01/01/2000 00:19:00	0.002727
712E	01/01/2000 00:20:00	0.003032
712E	01/01/2000 00:21:00	0.003322
712E	01/01/2000 00:22:00	0.003728
712E	01/01/2000 00:23:00	0.004118
712E	01/01/2000 00:24:00	0.004372
712E	01/01/2000 00:25:00	0.004537
712E	01/01/2000 00:26:00	0.004644
712E	01/01/2000 00:27:00	0.004713
712E	01/01/2000 00:28:00	0.004758
712E	01/01/2000 00:29:00	0.004787
712E	01/01/2000 00:30:00	0.004806
712E	01/01/2000 00:31:00	0.005024
712E	01/01/2000 00:32:00	0.00565
712E	01/01/2000 00:33:00	0.006337
712E	01/01/2000 00:34:00	0.006784
712E	01/01/2000 00:35:00	0.007074
712E	01/01/2000 00:36:00	0.007262
712E	01/01/2000 00:37:00	0.007384
712E	01/01/2000 00:38:00	0.007464
712E	01/01/2000 00:39:00	0.007515
712E	01/01/2000 00:40:00	0.007548
712E	01/01/2000 00:41:00	0.008538
712E	01/01/2000 00:42:00	0.011422
712E	01/01/2000 00:43:00	0.014747
712E	01/01/2000 00:44:00	0.017256
712E	01/01/2000 00:45:00	0.019226
712E	01/01/2000 00:46:00	0.0209
712E	01/01/2000 00:47:00	0.022356
712E	01/01/2000 00:48:00	0.02361
712E	01/01/2000 00:49:00	0.024704
712E	01/01/2000 00:50:00	0.025409
712E	01/01/2000 00:51:00	0.030462
712E	01/01/2000 00:52:00	0.036474
712E	01/01/2000 00:53:00	0.038
712E	01/01/2000 00:54:00	0.0384
712E	01/01/2000 00:55:00	0.039
712E	01/01/2000 00:56:00	0.039
712E	01/01/2000 00:57:00	0.039
712E	01/01/2000 00:58:00	0.039
712E	01/01/2000 00:59:00	0.039
712E	01/01/2000 01:00:00	0.039
712E	01/01/2000 01:01:00	0.039371
712E	01/01/2000 01:02:00	0.039715
712E	01/01/2000 01:03:00	0.03988
712E	01/01/2000 01:04:00	0.039931
712E	01/01/2000 01:05:00	0.039907
712E	01/01/2000 01:06:00	0.039828
712E	01/01/2000 01:07:00	0.039715
712E	01/01/2000 01:08:00	0.039588
712E	01/01/2000 01:09:00	0.039458
712E	01/01/2000 01:10:00	0.039333
712E	01/01/2000 01:11:00	0.039209
712E	01/01/2000 01:12:00	0.039076
712E	01/01/2000 01:13:00	0.039
712E	01/01/2000 01:14:00	0.038385
712E	01/01/2000 01:15:00	0.037765
712E	01/01/2000 01:16:00	0.037277
712E	01/01/2000 01:17:00	0.036894
712E	01/01/2000 01:18:00	0.036593
712E	01/01/2000 01:19:00	0.036359
712E	01/01/2000 01:20:00	0.036176
712E	01/01/2000 01:21:00	0.035984
712E	01/01/2000 01:22:00	0.035775
712E	01/01/2000 01:23:00	0.035543
712E	01/01/2000 01:24:00	0.035281
712E	01/01/2000 01:25:00	0.035076
712E	01/01/2000 01:26:00	0.034915
712E	01/01/2000 01:27:00	0.034789
712E	01/01/2000 01:28:00	0.034692
712E	01/01/2000 01:29:00	0.034616
712E	01/01/2000 01:30:00	0.034558
712E	01/01/2000 01:31:00	0.034488
712E	01/01/2000 01:32:00	0.034406
712E	01/01/2000 01:33:00	0.034306
712E	01/01/2000 01:34:00	0.034189
712E	01/01/2000 01:35:00	0.034097
712E	01/01/2000 01:36:00	0.034026
712E	01/01/2000 01:37:00	0.033997
712E	01/01/2000 01:38:00	0.033917
712E	01/01/2000 01:39:00	0.033626
712E	01/01/2000 01:40:00	0.033344
712E	01/01/2000 01:41:00	0.033052
712E	01/01/2000 01:42:00	0.032789
712E	01/01/2000 01:43:00	0.032735
712E	01/01/2000 01:44:00	0.032669
712E	01/01/2000 01:45:00	0.027391
712E	01/01/2000 01:46:00	0.011054
712E	01/01/2000 01:47:00	0.008398
712E	01/01/2000 01:48:00	0.008162
712E	01/01/2000 01:49:00	0.007989
712E	01/01/2000 01:50:00	0.00785
712E	01/01/2000 01:51:00	0.007659
712E	01/01/2000 01:52:00	0.007337
712E	01/01/2000 01:53:00	0.006987
712E	01/01/2000 01:54:00	0.006696
712E	01/01/2000 01:55:00	0.006456
712E	01/01/2000 01:56:00	0.006245
712E	01/01/2000 01:57:00	0.006067
712E	01/01/2000 01:58:00	0.005926
712E	01/01/2000 01:59:00	0.005814
712E	01/01/2000 02:00:00	0.005725
712E	01/01/2000 02:01:00	0.005596
712E	01/01/2000 02:02:00	0.005373
712E	01/01/2000 02:03:00	0.005129
712E	01/01/2000 02:04:00	0.004926
712E	01/01/2000 02:05:00	0.004758
712E	01/01/2000 02:06:00	0.00461
712E	01/01/2000 02:07:00	0.004485
712E	01/01/2000 02:08:00	0.004386
712E	01/01/2000 02:09:00	0.004307
712E	01/01/2000 02:10:00	0.004244
712E	01/01/2000 02:11:00	0.004158
712E	01/01/2000 02:12:00	0.004011
712E	01/01/2000 02:13:00	0.003858
712E	01/01/2000 02:14:00	0.003747
712E	01/01/2000 02:15:00	0.003665
712E	01/01/2000 02:16:00	0.003602
712E	01/01/2000 02:17:00	0.003553
712E	01/01/2000 02:18:00	0.003517
712E	01/01/2000 02:19:00	0.003488
712E	01/01/2000 02:20:00	0.003466
712E	01/01/2000 02:21:00	0.003423
712E	01/01/2000 02:22:00	0.003332
712E	01/01/2000 02:23:00	0.003235
712E	01/01/2000 02:24:00	0.00317
712E	01/01/2000 02:25:00	0.003126
712E	01/01/2000 02:26:00	0.003097
712E	01/01/2000 02:27:00	0.003077
712E	01/01/2000 02:28:00	0.003063
712E	01/01/2000 02:29:00	0.003053
712E	01/01/2000 02:30:00	0.003046
712E	01/01/2000 02:31:00	0.00302
712E	01/01/2000 02:32:00	0.002954
712E	01/01/2000 02:33:00	0.002882
712E	01/01/2000 02:34:00	0.002836
712E	01/01/2000 02:35:00	0.002805
712E	01/01/2000 02:36:00	0.002785
712E	01/01/2000 02:37:00	0.002772
712E	01/01/2000 02:38:00	0.002763
712E	01/01/2000 02:39:00	0.002757
712E	01/01/2000 02:40:00	0.002753
712E	01/01/2000 02:41:00	0.002734
712E	01/01/2000 02:42:00	0.002681
712E	01/01/2000 02:43:00	0.002623
712E	01/01/2000 02:44:00	0.002586
712E	01/01/2000 02:45:00	0.002562
712E	01/01/2000 02:46:00	0.002546
712E	01/01/2000 02:47:00	0.002535
712E	01/01/2000 02:48:00	0.002529
712E	01/01/2000 02:49:00	0.002524
712E	01/01/2000 02:50:00	0.002521
712E	01/01/2000 02:51:00	0.002505

712E	01/01/2000 02:52:00	0.002462
712E	01/01/2000 02:53:00	0.002414
712E	01/01/2000 02:54:00	0.002383
712E	01/01/2000 02:55:00	0.002362
712E	01/01/2000 02:56:00	0.002349
712E	01/01/2000 02:57:00	0.002341
712E	01/01/2000 02:58:00	0.002335
712E	01/01/2000 02:59:00	0.002332
712E	01/01/2000 03:00:00	0.002329
712E	01/01/2000 03:01:00	0.002155
712E	01/01/2000 03:02:00	0.001635
712E	01/01/2000 03:03:00	0.001062
712E	01/01/2000 03:04:00	0.000689
712E	01/01/2000 03:05:00	0.000447
712E	01/01/2000 03:06:00	0.00029
712E	01/01/2000 03:07:00	0.000188
712E	01/01/2000 03:08:00	0.000122
712E	01/01/2000 03:09:00	7.9E-05
712E	01/01/2000 03:10:00	5.1E-05
712E	01/01/2000 03:11:00	3.3E-05
712E	01/01/2000 03:12:00	2.2E-05
712E	01/01/2000 03:13:00	1.4E-05
712E	01/01/2000 03:14:00	0
712E	01/01/2000 03:15:00	0
712E	01/01/2000 03:16:00	0
712E	01/01/2000 03:17:00	0
712E	01/01/2000 03:18:00	0
712E	01/01/2000 03:19:00	0
712E	01/01/2000 03:20:00	0
712E	01/01/2000 03:21:00	0
712E	01/01/2000 03:22:00	0
712E	01/01/2000 03:23:00	0
712E	01/01/2000 03:24:00	0
712E	01/01/2000 03:25:00	0
712E	01/01/2000 03:26:00	0
712E	01/01/2000 03:27:00	0
712E	01/01/2000 03:28:00	0
712E	01/01/2000 03:29:00	0
712E	01/01/2000 03:30:00	0
712E	01/01/2000 03:31:00	0
712E	01/01/2000 03:32:00	0
712E	01/01/2000 03:33:00	0
712E	01/01/2000 03:34:00	0
712E	01/01/2000 03:35:00	0
712E	01/01/2000 03:36:00	0
712E	01/01/2000 03:37:00	0
712E	01/01/2000 03:38:00	0
712E	01/01/2000 03:39:00	0
712E	01/01/2000 03:40:00	0
712E	01/01/2000 03:41:00	0
712E	01/01/2000 03:42:00	0
712E	01/01/2000 03:43:00	0
712E	01/01/2000 03:44:00	0
712E	01/01/2000 03:45:00	0
712E	01/01/2000 03:46:00	0
712E	01/01/2000 03:47:00	0
712E	01/01/2000 03:48:00	0
712E	01/01/2000 03:49:00	0
712E	01/01/2000 03:50:00	0
712E	01/01/2000 03:51:00	0
712E	01/01/2000 03:52:00	0
712E	01/01/2000 03:53:00	0
712E	01/01/2000 03:54:00	0
712E	01/01/2000 03:55:00	0
712E	01/01/2000 03:56:00	0
712E	01/01/2000 03:57:00	0
712E	01/01/2000 03:58:00	0
712E	01/01/2000 03:59:00	0
712E	01/01/2000 04:00:00	0
712E	01/01/2000 04:01:00	0
712E	01/01/2000 04:02:00	0
712E	01/01/2000 04:03:00	0
712E	01/01/2000 04:04:00	0
712E	01/01/2000 04:05:00	0
712E	01/01/2000 04:06:00	0
712E	01/01/2000 04:07:00	0
712E	01/01/2000 04:08:00	0
712E	01/01/2000 04:09:00	0
712E	01/01/2000 04:10:00	0
712E	01/01/2000 04:11:00	0
712E	01/01/2000 04:12:00	0
712E	01/01/2000 04:13:00	0
712E	01/01/2000 04:14:00	0
712E	01/01/2000 04:15:00	0
712E	01/01/2000 04:16:00	0

;Flow (m^3/s)

712N	01/01/2000 00:00:00	0
712N	01/01/2000 00:01:00	0
712N	01/01/2000 00:02:00	0
712N	01/01/2000 00:03:00	0
712N	01/01/2000 00:04:00	0
712N	01/01/2000 00:05:00	0
712N	01/01/2000 00:06:00	0
712N	01/01/2000 00:07:00	0
712N	01/01/2000 00:08:00	0
712N	01/01/2000 00:09:00	0
712N	01/01/2000 00:10:00	0
712N	01/01/2000 00:11:00	0
712N	01/01/2000 00:12:00	0
712N	01/01/2000 00:13:00	0
712N	01/01/2000 00:14:00	0
712N	01/01/2000 00:15:00	0.000273
712N	01/01/2000 00:16:00	0.001298
712N	01/01/2000 00:17:00	0.00272
712N	01/01/2000 00:18:00	0.003703
712N	01/01/2000 00:19:00	0.004185
712N	01/01/2000 00:20:00	0.004443
712N	01/01/2000 00:21:00	0.004757
712N	01/01/2000 00:22:00	0.005342
712N	01/01/2000 00:23:00	0.005854
712N	01/01/2000 00:24:00	0.006094
712N	01/01/2000 00:25:00	0.006223
712N	01/01/2000 00:26:00	0.006291
712N	01/01/2000 00:27:00	0.006326
712N	01/01/2000 00:28:00	0.006345
712N	01/01/2000 00:29:00	0.006355
712N	01/01/2000 00:30:00	0.00636
712N	01/01/2000 00:31:00	0.006762
712N	01/01/2000 00:32:00	0.007904
712N	01/01/2000 00:33:00	0.00896
712N	01/01/2000 00:34:00	0.009449
712N	01/01/2000 00:35:00	0.009715
712N	01/01/2000 00:36:00	0.009853
712N	01/01/2000 00:37:00	0.009926
712N	01/01/2000 00:38:00	0.009964
712N	01/01/2000 00:39:00	0.009984
712N	01/01/2000 00:40:00	0.009994
712N	01/01/2000 00:41:00	0.011913
712N	01/01/2000 00:42:00	0.017355
712N	01/01/2000 00:43:00	0.022847
712N	01/01/2000 00:44:00	0.026397
712N	01/01/2000 00:45:00	0.029244
712N	01/01/2000 00:46:00	0.031594
712N	01/01/2000 00:47:00	0.033602
712N	01/01/2000 00:48:00	0.035019
712N	01/01/2000 00:49:00	0.036586
712N	01/01/2000 00:50:00	0.038125
712N	01/01/2000 00:51:00	0.048356
712N	01/01/2000 00:52:00	0.052289
712N	01/01/2000 00:53:00	0.054638
712N	01/01/2000 00:54:00	0.055406
712N	01/01/2000 00:55:00	0.056
712N	01/01/2000 00:56:00	0.056463
712N	01/01/2000 00:57:00	0.057
712N	01/01/2000 00:58:00	0.057
712N	01/01/2000 00:59:00	0.057
712N	01/01/2000 01:00:00	0.057
712N	01/01/2000 01:01:00	0.057
712N	01/01/2000 01:02:00	0.057
712N	01/01/2000 01:03:00	0.057
712N	01/01/2000 01:04:00	0.057
712N	01/01/2000 01:05:00	0.057
712N	01/01/2000 01:06:00	0.057
712N	01/01/2000 01:07:00	0.057
712N	01/01/2000 01:08:00	0.057
712N	01/01/2000 01:09:00	0.057
712N	01/01/2000 01:10:00	0.057
712N	01/01/2000 01:11:00	0.057
712N	01/01/2000 01:12:00	0.056903
712N	01/01/2000 01:13:00	0.056394
712N	01/01/2000 01:14:00	0.056
712N	01/01/2000 01:15:00	0.056
712N	01/01/2000 01:16:00	0.056
712N	01/01/2000 01:17:00	0.056
712N	01/01/2000 01:18:00	0.056
712N	01/01/2000 01:19:00	0.056
712N	01/01/2000 01:20:00	0.056
712N	01/01/2000 01:21:00	0.056
712N	01/01/2000 01:22:00	0.056
712N	01/01/2000 01:23:00	0.055823
712N	01/01/2000 01:24:00	0.054965
712N	01/01/2000 01:25:00	0.053918
712N	01/01/2000 01:26:00	0.052859
712N	01/01/2000 01:27:00	0.051925
712N	01/01/2000 01:28:00	0.051141
712N	01/01/2000 01:29:00	0.050517
712N	01/01/2000 01:30:00	0.049969
712N	01/01/2000 01:31:00	0.049447
712N	01/01/2000 01:32:00	0.048935
712N	01/01/2000 01:33:00	0.048425
712N	01/01/2000 01:34:00	0.041163
712N	01/01/2000 01:35:00	0.018237
712N	01/01/2000 01:36:00	0.017803
712N	01/01/2000 01:37:00	0.017126
712N	01/01/2000 01:38:00	0.016651
712N	01/01/2000 01:39:00	0.016274
712N	01/01/2000 01:40:00	0.015979
712N	01/01/2000 01:41:00	0.015499
712N	01/01/2000 01:42:00	0.014627
712N	01/01/2000 01:43:00	0.013741
712N	01/01/2000 01:44:00	0.013052
712N	01/01/2000 01:45:00	0.012474
712N	01/01/2000 01:46:00	0.012018
712N	01/01/2000 01:47:00	0.011669
712N	01/01/2000 01:48:00	0.0114
712N	01/01/2000 01:49:00	0.011191
712N	01/01/2000 01:50:00	0.011026
712N	01/01/2000 01:51:00	0.010733
712N	01/01/2000 01:52:00	0.010175
712N	01/01/2000 01:53:00	0.009602
712N	01/01/2000 01:54:00	0.009157
712N	01/01/2000 01:55:00	0.008782
712N	01/01/2000 01:56:00	0.008486
712N	01/01/2000 01:57:00	0.008259
712N	01/01/2000 01:58:00	0.008084
712N	01/01/2000 01:59:00	0.007948
712N	01/01/2000 02:00:00	0.00784
712N	01/01/2000 02:01:00	0.007638
712N	01/01/2000 02:02:00	0.007246
712N	01/01/2000 02:03:00	0.006843
712N	01/01/2000 02:04:00	0.00653
712N	01/01/2000 02:05:00	0.006266
712N	01/01/2000 02:06:00	0.006057
712N	01/01/2000 02:07:00	0.005896
712N	01/01/2000 02:08:00	0.005772
712N	01/01/2000 02:09:00	0.005674
712N	01/01/2000 02:10:00	0.005597
712N	01/01/2000 02:11:00	0.005466
712N	01/01/2000 02:12:00	0.005219
712N	01/01/2000 02:13:00	0.004987
712N	01/01/2000 02:14:00	0.004848
712N	01/01/2000 02:15:00	0.004749
712N	01/01/2000 02:16:00	0.004678
712N	01/01/2000 02:17:00	0.004628
712N	01/01/2000 02:18:00	0.00459
712N	01/01/2000 02:19:00	0.00456
712N	01/01/2000 02:20:00	0.004537
712N	01/01/2000 02:21:00	0.004469
712N	01/01/2000 02:22:00	0.00431
712N	01/01/2000 02:23:00	0.004165
712N	01/01/2000 02:24:00	0.004093
712N	01/01/2000 02:25:00	0.004052
712N	01/01/2000 02:26:00	0.004028
712N	01/01/2000 02:27:00	0.004013
712N	01/01/2000 02:28:00	0.004004
712N	01/01/2000 02:29:00	0.003998
712N	01/01/2000 02:30:00	0.003993
712N	01/01/2000 02:31:00	0.003995
712N	01/01/2000 02:32:00	0.003832
712N	01/01/2000 02:33:00	0.003723
712N	01/01/2000 02:34:00	0.003672
712N	01/01/2000 02:35:00	0.003644
712N	01/01/2000 02:36:00	0.003629
712N	01/01/2000 02:37:00	0.003621
712N	01/01/2000 02:38:00	0.003617
712N	01/01/2000 02:39:00	0.003614
712N	01/01/2000 02:40:00	0.003612
712N	01/01/2000 02:41:00	0.003579
712N	01/01/2000 02:42:00	0.003484
712N	01/01/2000 02:43:00	0.003396
712N	01/01/2000 02:44:00	0.003355
712N	01/01/2000 02:45:00	0.003333
712N	01/01/2000 02:46:00	0.003322
712N	01/01/2000 02:47:00	0.003315
712N	01/01/2000 02:48:00	0.003312
712N	01/01/2000 02:49:00	0.00331
712N	01/01/2000 02:50:00	0.003309
712N	01/01/2000 02:51:00	0.003281
712N	01/01/2000 02:52:00	0.003202
712N	01/01/2000 02:53:00	0.003129
712N	01/01/2000 02:54:00	0.003096
712N	01/01/2000 02:55:00	0.003077
712N	01/01/2000 02:56:00	0.003068
712N	01/01/2000 02:57:00	0.003063
712N	01/01/2000 02:58:00	0.00306
712N	01/01/2000 02:59:00	0.003059
712N	01/01/2000 03:00:00	0.003058
712N	01/01/2000 03:01:00	0.002722
712N	01/01/2000 03:02:00	0.001764
712N	01/01/2000 03:03:00	0.000878
712N	01/01/2000 03:04:00	0.000467
712N	01/01/2000 03:05:00	0.000244
712N	01/01/2000 03:06:00	0.000128
712N	01/01/2000 03:07:00	6.7E-05
712N	01/01/2000 03:08:00	3.5E-05
712N	01/01/2000 03:09:00	1.8E-05
712N	01/01/2000 03:10:00	0
712N	01/01/2000 03:11:00	0
712N	01/01/2000 03:12:00	0
712N	01/01/2000 03:13:00	0
712N	01/01/2000 03:14:00	0
712N	01/01/2000 03:15:00	0
712N	01/01/2000 03:16:00	0
712N	01/01/2000 03:17:00	0
712N	01/01/2000 03:18:00	0
712N	01/01/2000 03:19:00	0
712N	01/01/2000 03:20:00	0
712N	01/01/2000 03:21:00	0
712N	01/01/2000 03:22:00	0
712N	01/01/2000 03:23:00	0
712N	01/01/2000 03:24:00	0
712N	01/01/2000 03:25:00	0
712N	01/01/2000 03:26:00	0
712N	01/01/2000 03:27:00	0
712N	01/01/2000 03:28:00	0
712N	01/01/2000 03:29:00	0
712N	01/01/2000 03:30:00	0

712N	01/01/2000 03:31:00	0
712N	01/01/2000 03:32:00	0
712N	01/01/2000 03:33:00	0
712N	01/01/2000 03:34:00	0
712N	01/01/2000 03:35:00	0
712N	01/01/2000 03:36:00	0
712N	01/01/2000 03:37:00	0
712N	01/01/2000 03:38:00	0
712N	01/01/2000 03:39:00	0
712N	01/01/2000 03:40:00	0
712N	01/01/2000 03:41:00	0
712N	01/01/2000 03:42:00	0
712N	01/01/2000 03:43:00	0
712N	01/01/2000 03:44:00	0
712N	01/01/2000 03:45:00	0
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712N	01/01/2000 04:02:00	0
712N	01/01/2000 04:03:00	0
712N	01/01/2000 04:04:00	0
712N	01/01/2000 04:05:00	0
712N	01/01/2000 04:06:00	0
712N	01/01/2000 04:07:00	0
712N	01/01/2000 04:08:00	0
712N	01/01/2000 04:09:00	0
712N	01/01/2000 04:10:00	0
712N	01/01/2000 04:11:00	0
712N	01/01/2000 04:12:00	0
712N	01/01/2000 04:13:00	0
712N	01/01/2000 04:14:00	0
712N	01/01/2000 04:15:00	0
712N	01/01/2000 04:16:00	0

;Flow (m³/s)

713N	01/01/2000 00:00:00	0
713N	01/01/2000 00:01:00	0
713N	01/01/2000 00:02:00	0
713N	01/01/2000 00:03:00	0
713N	01/01/2000 00:04:00	0
713N	01/01/2000 00:05:00	0
713N	01/01/2000 00:06:00	0
713N	01/01/2000 00:07:00	0
713N	01/01/2000 00:08:00	0
713N	01/01/2000 00:09:00	0
713N	01/01/2000 00:10:00	0
713N	01/01/2000 00:11:00	0
713N	01/01/2000 00:12:00	0
713N	01/01/2000 00:13:00	0
713N	01/01/2000 00:14:00	0
713N	01/01/2000 00:15:00	0.00042
713N	01/01/2000 00:16:00	0.001439
713N	01/01/2000 00:17:00	0.00235
713N	01/01/2000 00:18:00	0.002817
713N	01/01/2000 00:19:00	0.003051
713N	01/01/2000 00:20:00	0.003168
713N	01/01/2000 00:21:00	0.003503
713N	01/01/2000 00:22:00	0.003956
713N	01/01/2000 00:23:00	0.00419
713N	01/01/2000 00:24:00	0.004307
713N	01/01/2000 00:25:00	0.004366
713N	01/01/2000 00:26:00	0.004396
713N	01/01/2000 00:27:00	0.00441
713N	01/01/2000 00:28:00	0.004418
713N	01/01/2000 00:29:00	0.004421
713N	01/01/2000 00:30:00	0.004423
713N	01/01/2000 00:31:00	0.005038
713N	01/01/2000 00:32:00	0.005978
713N	01/01/2000 00:33:00	0.006466
713N	01/01/2000 00:34:00	0.006711
713N	01/01/2000 00:35:00	0.006833
713N	01/01/2000 00:36:00	0.006894
713N	01/01/2000 00:37:00	0.006925
713N	01/01/2000 00:38:00	0.00694
713N	01/01/2000 00:39:00	0.006948
713N	01/01/2000 00:40:00	0.006952
713N	01/01/2000 00:41:00	0.009641
713N	01/01/2000 00:42:00	0.013884
713N	01/01/2000 00:43:00	0.01641
713N	01/01/2000 00:44:00	0.018129
713N	01/01/2000 00:45:00	0.019436
713N	01/01/2000 00:46:00	0.020456
713N	01/01/2000 00:47:00	0.021312
713N	01/01/2000 00:48:00	0.022041
713N	01/01/2000 00:49:00	0.022463
713N	01/01/2000 00:50:00	0.023007
713N	01/01/2000 00:51:00	0.030023
713N	01/01/2000 00:52:00	0.030195
713N	01/01/2000 00:53:00	0.030448
713N	01/01/2000 00:54:00	0.030769
713N	01/01/2000 00:55:00	0.031
713N	01/01/2000 00:56:00	0.031
713N	01/01/2000 00:57:00	0.031
713N	01/01/2000 00:58:00	0.032
713N	01/01/2000 00:59:00	0.032
713N	01/01/2000 01:00:00	0.032
713N	01/01/2000 01:01:00	0.032
713N	01/01/2000 01:02:00	0.032
713N	01/01/2000 01:03:00	0.032
713N	01/01/2000 01:04:00	0.032
713N	01/01/2000 01:05:00	0.032
713N	01/01/2000 01:06:00	0.032
713N	01/01/2000 01:07:00	0.032
713N	01/01/2000 01:08:00	0.032
713N	01/01/2000 01:09:00	0.032
713N	01/01/2000 01:10:00	0.032
713N	01/01/2000 01:11:00	0.032
713N	01/01/2000 01:12:00	0.032
713N	01/01/2000 01:13:00	0.032
713N	01/01/2000 01:14:00	0.032
713N	01/01/2000 01:15:00	0.032
713N	01/01/2000 01:16:00	0.032
713N	01/01/2000 01:17:00	0.032
713N	01/01/2000 01:18:00	0.031589
713N	01/01/2000 01:19:00	0.031
713N	01/01/2000 01:20:00	0.031
713N	01/01/2000 01:21:00	0.031
713N	01/01/2000 01:22:00	0.031
713N	01/01/2000 01:23:00	0.031
713N	01/01/2000 01:24:00	0.031
713N	01/01/2000 01:25:00	0.031
713N	01/01/2000 01:26:00	0.031
713N	01/01/2000 01:27:00	0.031
713N	01/01/2000 01:28:00	0.031
713N	01/01/2000 01:29:00	0.031
713N	01/01/2000 01:30:00	0.031
713N	01/01/2000 01:31:00	0.031
713N	01/01/2000 01:32:00	0.031
713N	01/01/2000 01:33:00	0.031
713N	01/01/2000 01:34:00	0.030953
713N	01/01/2000 01:35:00	0.030855
713N	01/01/2000 01:36:00	0.030756
713N	01/01/2000 01:37:00	0.030656
713N	01/01/2000 01:38:00	0.030556
713N	01/01/2000 01:39:00	0.030456
713N	01/01/2000 01:40:00	0.030356
713N	01/01/2000 01:41:00	0.030254
713N	01/01/2000 01:42:00	0.03015
713N	01/01/2000 01:43:00	0.030045
713N	01/01/2000 01:44:00	0.022544
713N	01/01/2000 01:45:00	0.007804
713N	01/01/2000 01:46:00	0.006816
713N	01/01/2000 01:47:00	0.006659
713N	01/01/2000 01:48:00	0.006557
713N	01/01/2000 01:49:00	0.006481
713N	01/01/2000 01:50:00	0.006423
713N	01/01/2000 01:51:00	0.006176
713N	01/01/2000 01:52:00	0.00581
713N	01/01/2000 01:53:00	0.005558
713N	01/01/2000 01:54:00	0.005356
713N	01/01/2000 01:55:00	0.005192
713N	01/01/2000 01:56:00	0.005073
713N	01/01/2000 01:57:00	0.004984
713N	01/01/2000 01:58:00	0.004918
713N	01/01/2000 01:59:00	0.004867
713N	01/01/2000 02:00:00	0.004828
713N	01/01/2000 02:01:00	0.004654
713N	01/01/2000 02:02:00	0.004394
713N	01/01/2000 02:03:00	0.004216
713N	01/01/2000 02:04:00	0.004072
713N	01/01/2000 02:05:00	0.003955
713N	01/01/2000 02:06:00	0.00387
713N	01/01/2000 02:07:00	0.003807
713N	01/01/2000 02:08:00	0.003759
713N	01/01/2000 02:09:00	0.003722
713N	01/01/2000 02:10:00	0.003694
713N	01/01/2000 02:11:00	0.00357
713N	01/01/2000 02:12:00	0.003395
713N	01/01/2000 02:13:00	0.003293
713N	01/01/2000 02:14:00	0.00323
713N	01/01/2000 02:15:00	0.003188
713N	01/01/2000 02:16:00	0.003161
713N	01/01/2000 02:17:00	0.003142
713N	01/01/2000 02:18:00	0.003129
713N	01/01/2000 02:19:00	0.003119
713N	01/01/2000 02:20:00	0.003111
713N	01/01/2000 02:21:00	0.003028
713N	01/01/2000 02:22:00	0.002905
713N	01/01/2000 02:23:00	0.00284
713N	01/01/2000 02:24:00	0.002806
713N	01/01/2000 02:25:00	0.002789
713N	01/01/2000 02:26:00	0.002779
713N	01/01/2000 02:27:00	0.002774
713N	01/01/2000 02:28:00	0.002771
713N	01/01/2000 02:29:00	0.002769
713N	01/01/2000 02:30:00	0.002768
713N	01/01/2000 02:31:00	0.002705
713N	01/01/2000 02:32:00	0.002609
713N	01/01/2000 02:33:00	0.00256
713N	01/01/2000 02:34:00	0.002535
713N	01/01/2000 02:35:00	0.002522
713N	01/01/2000 02:36:00	0.002516
713N	01/01/2000 02:37:00	0.002512
713N	01/01/2000 02:38:00	0.002511
713N	01/01/2000 02:39:00	0.00251
713N	01/01/2000 02:40:00	0.002509
713N	01/01/2000 02:41:00	0.002458
713N	01/01/2000 02:42:00	0.002381
713N	01/01/2000 02:43:00	0.00234
713N	01/01/2000 02:44:00	0.00232
713N	01/01/2000 02:45:00	0.00231
713N	01/01/2000 02:46:00	0.002305
713N	01/01/2000 02:47:00	0.002302
713N	01/01/2000 02:48:00	0.002301
713N	01/01/2000 02:49:00	0.0023
713N	01/01/2000 02:50:00	0.0023
713N	01/01/2000 02:51:00	0.002257
713N	01/01/2000 02:52:00	0.002193
713N	01/01/2000 02:53:00	0.002159
713N	01/01/2000 02:54:00	0.002142
713N	01/01/2000 02:55:00	0.002134
713N	01/01/2000 02:56:00	0.002129
713N	01/01/2000 02:57:00	0.002127
713N	01/01/2000 02:58:00	0.002126
713N	01/01/2000 02:59:00	0.002126
713N	01/01/2000 03:00:00	0.002125
713N	01/01/2000 03:01:00	0.001609
713N	01/01/2000 03:02:00	0.000821
713N	01/01/2000 03:03:00	0.000411
713N	01/01/2000 03:04:00	0.000205
713N	01/01/2000 03:05:00	0.000103
713N	01/01/2000 03:06:00	5.1E-05
713N	01/01/2000 03:07:00	2.6E-05
713N	01/01/2000 03:08:00	1.3E-05
713N	01/01/2000 03:09:00	0
713N	01/01/2000 03:10:00	0
713N	01/01/2000 03:11:00	0
713N	01/01/2000 03:12:00	0
713N	01/01/2000 03:13:00	0
713N	01/01/2000 03:14:00	0
713N	01/01/2000 03:15:00	0
713N	01/01/2000 03:16:00	0
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713N	01/01/2000 03:19:00	0
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713N	01/01/2000 03:33:00	0
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713N	01/01/2000 03:38:00	0
713N	01/01/2000 03:39:00	0
713N	01/01/2000 03:40:00	0
713N	01/01/2000 03:41:00	0
713N	01/01/2000 03:42:00	0
713N	01/01/2000 03:43:00	0
713N	01/01/2000 03:44:00	0
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713N	01/01/2000 03:54:00	0
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713N	01/01/2000 03:58:00	0
713N	01/01/2000 03:59:00	0
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713N	01/01/2000 04:02:00	0
713N	01/01/2000 04:03:00	0
713N	01/01/2000 04:04:00	0
713N	01/01/2000 04:05:00	0
713N	01/01/2000 04:06:00	0
713N	01/01/2000 04:07:00	0
713N	01/01/2000 04:08:00	0
713N	01/01/2000 04:09:00	0

713N	01/01/2000 04:10:00	0
713N	01/01/2000 04:11:00	0
713N	01/01/2000 04:12:00	0
713N	01/01/2000 04:13:00	0
713N	01/01/2000 04:14:00	0
713N	01/01/2000 04:15:00	0
713N	01/01/2000 04:16:00	0
;Flow (m^3/s)		
713S	01/01/2000 00:00:00	0
713S	01/01/2000 00:01:00	0
713S	01/01/2000 00:02:00	0
713S	01/01/2000 00:03:00	0
713S	01/01/2000 00:04:00	0
713S	01/01/2000 00:05:00	0
713S	01/01/2000 00:06:00	0
713S	01/01/2000 00:07:00	0
713S	01/01/2000 00:08:00	0
713S	01/01/2000 00:09:00	0
713S	01/01/2000 00:10:00	0
713S	01/01/2000 00:11:00	0
713S	01/01/2000 00:12:00	0
713S	01/01/2000 00:13:00	0
713S	01/01/2000 00:14:00	0
713S	01/01/2000 00:15:00	0.000141
713S	01/01/2000 00:16:00	0.000702
713S	01/01/2000 00:17:00	0.001559
713S	01/01/2000 00:18:00	0.002246
713S	01/01/2000 00:19:00	0.002632
713S	01/01/2000 00:20:00	0.00284
713S	01/01/2000 00:21:00	0.003044
713S	01/01/2000 00:22:00	0.00339
713S	01/01/2000 00:23:00	0.003729
713S	01/01/2000 00:24:00	0.003923
713S	01/01/2000 00:25:00	0.004028
713S	01/01/2000 00:26:00	0.004084
713S	01/01/2000 00:27:00	0.004114
713S	01/01/2000 00:28:00	0.00413
713S	01/01/2000 00:29:00	0.004138
713S	01/01/2000 00:30:00	0.004143
713S	01/01/2000 00:31:00	0.004352
713S	01/01/2000 00:32:00	0.004988
713S	01/01/2000 00:33:00	0.005672
713S	01/01/2000 00:34:00	0.006064
713S	01/01/2000 00:35:00	0.006276
713S	01/01/2000 00:36:00	0.00639
713S	01/01/2000 00:37:00	0.006451
713S	01/01/2000 00:38:00	0.006483
713S	01/01/2000 00:39:00	0.006501
713S	01/01/2000 00:40:00	0.00651
713S	01/01/2000 00:41:00	0.007473
713S	01/01/2000 00:42:00	0.010436
713S	01/01/2000 00:43:00	0.013817
713S	01/01/2000 00:44:00	0.016206
713S	01/01/2000 00:45:00	0.01794
713S	01/01/2000 00:46:00	0.019209
713S	01/01/2000 00:47:00	0.020123
713S	01/01/2000 00:48:00	0.020673
713S	01/01/2000 00:49:00	0.021307
713S	01/01/2000 00:50:00	0.021934
713S	01/01/2000 00:51:00	0.026314
713S	01/01/2000 00:52:00	0.028
713S	01/01/2000 00:53:00	0.028
713S	01/01/2000 00:54:00	0.028777
713S	01/01/2000 00:55:00	0.029
713S	01/01/2000 00:56:00	0.029
713S	01/01/2000 00:57:00	0.029
713S	01/01/2000 00:58:00	0.029
713S	01/01/2000 00:59:00	0.029156
713S	01/01/2000 01:00:00	0.029566
713S	01/01/2000 01:01:00	0.029782
713S	01/01/2000 01:02:00	0.029768
713S	01/01/2000 01:03:00	0.029585
713S	01/01/2000 01:04:00	0.029336
713S	01/01/2000 01:05:00	0.029076
713S	01/01/2000 01:06:00	0.029
713S	01/01/2000 01:07:00	0.029
713S	01/01/2000 01:08:00	0.029
713S	01/01/2000 01:09:00	0.029
713S	01/01/2000 01:10:00	0.029
713S	01/01/2000 01:11:00	0.029
713S	01/01/2000 01:12:00	0.029
713S	01/01/2000 01:13:00	0.029
713S	01/01/2000 01:14:00	0.029
713S	01/01/2000 01:15:00	0.029
713S	01/01/2000 01:16:00	0.029
713S	01/01/2000 01:17:00	0.029
713S	01/01/2000 01:18:00	0.029
713S	01/01/2000 01:19:00	0.029
713S	01/01/2000 01:20:00	0.029
713S	01/01/2000 01:21:00	0.029
713S	01/01/2000 01:22:00	0.029
713S	01/01/2000 01:23:00	0.029
713S	01/01/2000 01:24:00	0.029
713S	01/01/2000 01:25:00	0.029
713S	01/01/2000 01:26:00	0.029
713S	01/01/2000 01:27:00	0.029
713S	01/01/2000 01:28:00	0.029
713S	01/01/2000 01:29:00	0.0289
713S	01/01/2000 01:30:00	0.02868
713S	01/01/2000 01:31:00	0.028459
713S	01/01/2000 01:32:00	0.028232
713S	01/01/2000 01:33:00	0.028
713S	01/01/2000 01:34:00	0.028
713S	01/01/2000 01:35:00	0.028
713S	01/01/2000 01:36:00	0.028
713S	01/01/2000 01:37:00	0.024229
713S	01/01/2000 01:38:00	0.012151
713S	01/01/2000 01:39:00	0.008524
713S	01/01/2000 01:40:00	0.008179
713S	01/01/2000 01:41:00	0.007988
713S	01/01/2000 01:42:00	0.007587
713S	01/01/2000 01:43:00	0.007125
713S	01/01/2000 01:44:00	0.006755
713S	01/01/2000 01:45:00	0.00647
713S	01/01/2000 01:46:00	0.006275
713S	01/01/2000 01:47:00	0.006142
713S	01/01/2000 01:48:00	0.00605
713S	01/01/2000 01:49:00	0.005986
713S	01/01/2000 01:50:00	0.005941
713S	01/01/2000 01:51:00	0.005832
713S	01/01/2000 01:52:00	0.005568
713S	01/01/2000 01:53:00	0.005263
713S	01/01/2000 01:54:00	0.005018
713S	01/01/2000 01:55:00	0.004829
713S	01/01/2000 01:56:00	0.004699
713S	01/01/2000 01:57:00	0.00461
713S	01/01/2000 01:58:00	0.004548
713S	01/01/2000 01:59:00	0.004505
713S	01/01/2000 02:00:00	0.004474
713S	01/01/2000 02:01:00	0.004397
713S	01/01/2000 02:02:00	0.004209
713S	01/01/2000 02:03:00	0.003992
713S	01/01/2000 02:04:00	0.003817
713S	01/01/2000 02:05:00	0.003682
713S	01/01/2000 02:06:00	0.003589
713S	01/01/2000 02:07:00	0.003525
713S	01/01/2000 02:08:00	0.00348
713S	01/01/2000 02:09:00	0.003448
713S	01/01/2000 02:10:00	0.003426
713S	01/01/2000 02:11:00	0.003374
713S	01/01/2000 02:12:00	0.003254
713S	01/01/2000 02:13:00	0.003125
713S	01/01/2000 02:14:00	0.003041
713S	01/01/2000 02:15:00	0.002988
713S	01/01/2000 02:16:00	0.002956
713S	01/01/2000 02:17:00	0.002935
713S	01/01/2000 02:18:00	0.002922
713S	01/01/2000 02:19:00	0.002913
713S	01/01/2000 02:20:00	0.002907
713S	01/01/2000 02:21:00	0.002876
713S	01/01/2000 02:22:00	0.002793
713S	01/01/2000 02:23:00	0.002705
713S	01/01/2000 02:24:00	0.002654
713S	01/01/2000 02:25:00	0.002626
713S	01/01/2000 02:26:00	0.002611
713S	01/01/2000 02:27:00	0.002602
713S	01/01/2000 02:28:00	0.002598
713S	01/01/2000 02:29:00	0.002595
713S	01/01/2000 02:30:00	0.002594
713S	01/01/2000 02:31:00	0.002572
713S	01/01/2000 02:32:00	0.002508
713S	01/01/2000 02:33:00	0.002438
713S	01/01/2000 02:34:00	0.002398
713S	01/01/2000 02:35:00	0.002377
713S	01/01/2000 02:36:00	0.002365
713S	01/01/2000 02:37:00	0.002359
713S	01/01/2000 02:38:00	0.002356
713S	01/01/2000 02:39:00	0.002354
713S	01/01/2000 02:40:00	0.002353
713S	01/01/2000 02:41:00	0.002336
713S	01/01/2000 02:42:00	0.002283
713S	01/01/2000 02:43:00	0.002226
713S	01/01/2000 02:44:00	0.002194
713S	01/01/2000 02:45:00	0.002176
713S	01/01/2000 02:46:00	0.002167
713S	01/01/2000 02:47:00	0.002162
713S	01/01/2000 02:48:00	0.002159
713S	01/01/2000 02:49:00	0.002158
713S	01/01/2000 02:50:00	0.002157
713S	01/01/2000 02:51:00	0.002142
713S	01/01/2000 02:52:00	0.002098
713S	01/01/2000 02:53:00	0.002051
713S	01/01/2000 02:54:00	0.002024
713S	01/01/2000 02:55:00	0.002009
713S	01/01/2000 02:56:00	0.002001
713S	01/01/2000 02:57:00	0.001997
713S	01/01/2000 02:58:00	0.001995
713S	01/01/2000 02:59:00	0.001994
713S	01/01/2000 03:00:00	0.001993
713S	01/01/2000 03:01:00	0.001819
713S	01/01/2000 03:02:00	0.001286
713S	01/01/2000 03:03:00	0.000713
713S	01/01/2000 03:04:00	0.000383
713S	01/01/2000 03:05:00	0.000205
713S	01/01/2000 03:06:00	0.00011
713S	01/01/2000 03:07:00	5.9E-05
713S	01/01/2000 03:08:00	3.2E-05
713S	01/01/2000 03:09:00	1.7E-05
713S	01/01/2000 03:10:00	0
713S	01/01/2000 03:11:00	0
713S	01/01/2000 03:12:00	0
713S	01/01/2000 03:13:00	0
713S	01/01/2000 03:14:00	0
713S	01/01/2000 03:15:00	0
713S	01/01/2000 03:16:00	0
713S	01/01/2000 03:17:00	0
713S	01/01/2000 03:18:00	0
713S	01/01/2000 03:19:00	0
713S	01/01/2000 03:20:00	0
713S	01/01/2000 03:21:00	0
713S	01/01/2000 03:22:00	0
713S	01/01/2000 03:23:00	0
713S	01/01/2000 03:24:00	0
713S	01/01/2000 03:25:00	0
713S	01/01/2000 03:26:00	0
713S	01/01/2000 03:27:00	0
713S	01/01/2000 03:28:00	0
713S	01/01/2000 03:29:00	0
713S	01/01/2000 03:30:00	0
713S	01/01/2000 03:31:00	0
713S	01/01/2000 03:32:00	0
713S	01/01/2000 03:33:00	0
713S	01/01/2000 03:34:00	0
713S	01/01/2000 03:35:00	0
713S	01/01/2000 03:36:00	0
713S	01/01/2000 03:37:00	0
713S	01/01/2000 03:38:00	0
713S	01/01/2000 03:39:00	0
713S	01/01/2000 03:40:00	0
713S	01/01/2000 03:41:00	0
713S	01/01/2000 03:42:00	0
713S	01/01/2000 03:43:00	0
713S	01/01/2000 03:44:00	0
713S	01/01/2000 03:45:00	0
713S	01/01/2000 03:46:00	0
713S	01/01/2000 03:47:00	0
713S	01/01/2000 03:48:00	0
713S	01/01/2000 03:49:00	0
713S	01/01/2000 03:50:00	0
713S	01/01/2000 03:51:00	0
713S	01/01/2000 03:52:00	0
713S	01/01/2000 03:53:00	0
713S	01/01/2000 03:54:00	0
713S	01/01/2000 03:55:00	0
713S	01/01/2000 03:56:00	0
713S	01/01/2000 03:57:00	0
713S	01/01/2000 03:58:00	0
713S	01/01/2000 03:59:00	0
713S	01/01/2000 04:00:00	0
713S	01/01/2000 04:01:00	0
713S	01/01/2000 04:02:00	0
713S	01/01/2000 04:03:00	0
713S	01/01/2000 04:04:00	0
713S	01/01/2000 04:05:00	0
713S	01/01/2000 04:06:00	0
713S	01/01/2000 04:07:00	0
713S	01/01/2000 04:08:00	0
713S	01/01/2000 04:09:00	0
713S	01/01/2000 04:10:00	0
713S	01/01/2000 04:11:00	0
713S	01/01/2000 04:12:00	0
713S	01/01/2000 04:13:00	0
713S	01/01/2000 04:14:00	0
713S	01/01/2000 04:15:00	0
713S	01/01/2000 04:16:00	0
;Flow (m^3/s)		
714	01/01/2000 00:00:00	0
714	01/01/2000 00:01:00	0
714	01/01/2000 00:02:00	0
714	01/01/2000 00:03:00	0
714	01/01/2000 00:04:00	0
714	01/01/2000 00:05:00	0
714	01/01/2000 00:06:00	0
714	01/01/2000 00:07:00	0
714	01/01/2000 00:08:00	0
714	01/01/2000 00:09:00	0
714	01/01/2000 00:10:00	0
714	01/01/2000 00:11:00	0
714	01/01/2000 00:12:00	0
714	01/01/2000 00:13:00	0
714	01/01/2000 00:14:00	0
714	01/01/2000 00:15:00	1E-06
714	01/01/2000 00:16:00	3E-06
714	01/01/2000 00:17:00	4E-06
714	01/01/2000 00:18:00	4E-06
714	01/01/2000 00:19:00	4E-06
714	01/01/2000 00:20:00	4E-06
714	01/01/2000 00:21:00	5E-06
714	01/01/2000 00:22:00	5E-06
714	01/01/2000 00:23:00	6E-06
714	01/01/2000 00:24:00	6E-06
714	01/01/2000 00:25:00	6E-06
714	01/01/2000 00:26:00	6E-06
714	01/01/2000 00:27:00	6E-06
714	01/01/2000 00:28:00	6E-06
714	01/01/2000 00:29:00	6E-06

714	01/01/2000 00:30:00	6E-06
714	01/01/2000 00:31:00	7E-06
714	01/01/2000 00:32:00	8E-06
714	01/01/2000 00:33:00	9E-06
714	01/01/2000 00:34:00	9E-06
714	01/01/2000 00:35:00	9E-06
714	01/01/2000 00:36:00	9E-06
714	01/01/2000 00:37:00	9E-06
714	01/01/2000 00:38:00	9E-06
714	01/01/2000 00:39:00	9E-06
714	01/01/2000 00:40:00	9E-06
714	01/01/2000 00:41:00	0.000148
714	01/01/2000 00:42:00	0.000436
714	01/01/2000 00:43:00	0.000898
714	01/01/2000 00:44:00	0.001553
714	01/01/2000 00:45:00	0.002421
714	01/01/2000 00:46:00	0.003274
714	01/01/2000 00:47:00	0.004105
714	01/01/2000 00:48:00	0.004911
714	01/01/2000 00:49:00	0.005687
714	01/01/2000 00:50:00	0.006431
714	01/01/2000 00:51:00	0.00915
714	01/01/2000 00:52:00	0.013
714	01/01/2000 00:53:00	0.013
714	01/01/2000 00:54:00	0.013
714	01/01/2000 00:55:00	0.013
714	01/01/2000 00:56:00	0.013
714	01/01/2000 00:57:00	0.013
714	01/01/2000 00:58:00	0.013
714	01/01/2000 00:59:00	0.013
714	01/01/2000 01:00:00	0.013
714	01/01/2000 01:01:00	0.013
714	01/01/2000 01:02:00	0.013
714	01/01/2000 01:03:00	0.013
714	01/01/2000 01:04:00	0.013
714	01/01/2000 01:05:00	0.013
714	01/01/2000 01:06:00	0.013
714	01/01/2000 01:07:00	0.013
714	01/01/2000 01:08:00	0.013
714	01/01/2000 01:09:00	0.013
714	01/01/2000 01:10:00	0.013
714	01/01/2000 01:11:00	0.013
714	01/01/2000 01:12:00	0.013
714	01/01/2000 01:13:00	0.013
714	01/01/2000 01:14:00	0.013
714	01/01/2000 01:15:00	0.013
714	01/01/2000 01:16:00	0.013
714	01/01/2000 01:17:00	0.013
714	01/01/2000 01:18:00	0.013
714	01/01/2000 01:19:00	0.013
714	01/01/2000 01:20:00	0.013
714	01/01/2000 01:21:00	0.013
714	01/01/2000 01:22:00	0.01292
714	01/01/2000 01:23:00	0.011963
714	01/01/2000 01:24:00	0.010985
714	01/01/2000 01:25:00	0.009966
714	01/01/2000 01:26:00	0.009132
714	01/01/2000 01:27:00	0.00845
714	01/01/2000 01:28:00	0.007894
714	01/01/2000 01:29:00	0.007441
714	01/01/2000 01:30:00	0.007072
714	01/01/2000 01:31:00	0.006708
714	01/01/2000 01:32:00	0.006338
714	01/01/2000 01:33:00	0.00595
714	01/01/2000 01:34:00	0.005538
714	01/01/2000 01:35:00	0.005092
714	01/01/2000 01:36:00	0.004728
714	01/01/2000 01:37:00	0.004431
714	01/01/2000 01:38:00	0.004189
714	01/01/2000 01:39:00	0.003992
714	01/01/2000 01:40:00	0.003833
714	01/01/2000 01:41:00	0.003665
714	01/01/2000 01:42:00	0.003485
714	01/01/2000 01:43:00	0.003287
714	01/01/2000 01:44:00	0.003068
714	01/01/2000 01:45:00	0.002824
714	01/01/2000 01:46:00	0.002625
714	01/01/2000 01:47:00	0.002462
714	01/01/2000 01:48:00	0.002329
714	01/01/2000 01:49:00	0.002221
714	01/01/2000 01:50:00	0.002133
714	01/01/2000 01:51:00	0.002035
714	01/01/2000 01:52:00	0.001927
714	01/01/2000 01:53:00	0.001805
714	01/01/2000 01:54:00	0.001666
714	01/01/2000 01:55:00	0.00151
714	01/01/2000 01:56:00	0.001383
714	01/01/2000 01:57:00	0.001278
714	01/01/2000 01:58:00	0.001192
714	01/01/2000 01:59:00	0.001123
714	01/01/2000 02:00:00	0.001066
714	01/01/2000 02:01:00	0.001001
714	01/01/2000 02:02:00	0.000928
714	01/01/2000 02:03:00	0.000843
714	01/01/2000 02:04:00	0.000747
714	01/01/2000 02:05:00	0.000637
714	01/01/2000 02:06:00	0.000547
714	01/01/2000 02:07:00	0.000473
714	01/01/2000 02:08:00	0.000412
714	01/01/2000 02:09:00	0.000362
714	01/01/2000 02:10:00	0.000322
714	01/01/2000 02:11:00	0.000285
714	01/01/2000 02:12:00	0.000251
714	01/01/2000 02:13:00	0.000218
714	01/01/2000 02:14:00	0.000187
714	01/01/2000 02:15:00	0.000155
714	01/01/2000 02:16:00	0.000129
714	01/01/2000 02:17:00	0.000107
714	01/01/2000 02:18:00	8.9E-05
714	01/01/2000 02:19:00	7.5E-05
714	01/01/2000 02:20:00	6.2E-05
714	01/01/2000 02:21:00	5.2E-05
714	01/01/2000 02:22:00	4.3E-05
714	01/01/2000 02:23:00	3.7E-05
714	01/01/2000 02:24:00	3.1E-05
714	01/01/2000 02:25:00	2.6E-05
714	01/01/2000 02:26:00	2.2E-05
714	01/01/2000 02:27:00	1.9E-05
714	01/01/2000 02:28:00	1.6E-05
714	01/01/2000 02:29:00	1.4E-05
714	01/01/2000 02:30:00	1.2E-05
714	01/01/2000 02:31:00	1E-05
714	01/01/2000 02:32:00	0
714	01/01/2000 02:33:00	0
714	01/01/2000 02:34:00	0
714	01/01/2000 02:35:00	0
714	01/01/2000 02:36:00	0
714	01/01/2000 02:37:00	0
714	01/01/2000 02:38:00	0
714	01/01/2000 02:39:00	0
714	01/01/2000 02:40:00	0
714	01/01/2000 02:41:00	0
714	01/01/2000 02:42:00	0
714	01/01/2000 02:43:00	0
714	01/01/2000 02:44:00	0
714	01/01/2000 02:45:00	0
714	01/01/2000 02:46:00	0
714	01/01/2000 02:47:00	0
714	01/01/2000 02:48:00	0
714	01/01/2000 02:49:00	0
714	01/01/2000 02:50:00	0
714	01/01/2000 02:51:00	0
714	01/01/2000 02:52:00	0
714	01/01/2000 02:53:00	0
714	01/01/2000 02:54:00	0
714	01/01/2000 02:55:00	0
714	01/01/2000 02:56:00	0
714	01/01/2000 02:57:00	0
714	01/01/2000 02:58:00	0
714	01/01/2000 02:59:00	0
714	01/01/2000 03:00:00	0
714	01/01/2000 03:01:00	0
714	01/01/2000 03:02:00	0
714	01/01/2000 03:03:00	0
714	01/01/2000 03:04:00	0
714	01/01/2000 03:05:00	0
714	01/01/2000 03:06:00	0
714	01/01/2000 03:07:00	0
714	01/01/2000 03:08:00	0
714	01/01/2000 03:09:00	0
714	01/01/2000 03:10:00	0
714	01/01/2000 03:11:00	0
714	01/01/2000 03:12:00	0
714	01/01/2000 03:13:00	0
714	01/01/2000 03:14:00	0
714	01/01/2000 03:15:00	0
714	01/01/2000 03:16:00	0
714	01/01/2000 03:17:00	0
714	01/01/2000 03:18:00	0
714	01/01/2000 03:19:00	0
714	01/01/2000 03:20:00	0
714	01/01/2000 03:21:00	0
714	01/01/2000 03:22:00	0
714	01/01/2000 03:23:00	0
714	01/01/2000 03:24:00	0
714	01/01/2000 03:25:00	0
714	01/01/2000 03:26:00	0
714	01/01/2000 03:27:00	0
714	01/01/2000 03:28:00	0
714	01/01/2000 03:29:00	0
714	01/01/2000 03:30:00	0
714	01/01/2000 03:31:00	0
714	01/01/2000 03:32:00	0
714	01/01/2000 03:33:00	0
714	01/01/2000 03:34:00	0
714	01/01/2000 03:35:00	0
714	01/01/2000 03:36:00	0
714	01/01/2000 03:37:00	0
714	01/01/2000 03:38:00	0
714	01/01/2000 03:39:00	0
714	01/01/2000 03:40:00	0
714	01/01/2000 03:41:00	0
714	01/01/2000 03:42:00	0
714	01/01/2000 03:43:00	0
714	01/01/2000 03:44:00	0
714	01/01/2000 03:45:00	0
714	01/01/2000 03:46:00	0
714	01/01/2000 03:47:00	0
714	01/01/2000 03:48:00	0
714	01/01/2000 03:49:00	0
714	01/01/2000 03:50:00	0
714	01/01/2000 03:51:00	0
714	01/01/2000 03:52:00	0
714	01/01/2000 03:53:00	0
714	01/01/2000 03:54:00	0
714	01/01/2000 03:55:00	0
714	01/01/2000 03:56:00	0
714	01/01/2000 03:57:00	0
714	01/01/2000 03:58:00	0
714	01/01/2000 03:59:00	0
714	01/01/2000 04:00:00	0
714	01/01/2000 04:01:00	0
714	01/01/2000 04:02:00	0
714	01/01/2000 04:03:00	0
714	01/01/2000 04:04:00	0
714	01/01/2000 04:05:00	0
714	01/01/2000 04:06:00	0
714	01/01/2000 04:07:00	0
714	01/01/2000 04:08:00	0
714	01/01/2000 04:09:00	0
714	01/01/2000 04:10:00	0
714	01/01/2000 04:11:00	0
714	01/01/2000 04:12:00	0
714	01/01/2000 04:13:00	0
714	01/01/2000 04:14:00	0
714	01/01/2000 04:15:00	0
714	01/01/2000 04:16:00	0

;Flow (m³/s)

720	01/01/2000 00:00:00	0
720	01/01/2000 00:01:00	0
720	01/01/2000 00:02:00	0
720	01/01/2000 00:03:00	0
720	01/01/2000 00:04:00	0
720	01/01/2000 00:05:00	0
720	01/01/2000 00:06:00	0
720	01/01/2000 00:07:00	0
720	01/01/2000 00:08:00	0
720	01/01/2000 00:09:00	0
720	01/01/2000 00:10:00	0
720	01/01/2000 00:11:00	0
720	01/01/2000 00:12:00	0
720	01/01/2000 00:13:00	0
720	01/01/2000 00:14:00	0
720	01/01/2000 00:15:00	0.003969
720	01/01/2000 00:16:00	0.015634
720	01/01/2000 00:17:00	0.027937
720	01/01/2000 00:18:00	0.035413
720	01/01/2000 00:19:00	0.03991
720	01/01/2000 00:20:00	0.042644
720	01/01/2000 00:21:00	0.04691
720	01/01/2000 00:22:00	0.05325
720	01/01/2000 00:23:00	0.057167
720	01/01/2000 00:24:00	0.059488
720	01/01/2000 00:25:00	0.060922
720	01/01/2000 00:26:00	0.061773
720	01/01/2000 00:27:00	0.0623
720	01/01/2000 00:28:00	0.062613
720	01/01/2000 00:29:00	0.062808
720	01/01/2000 00:30:00	0.062923
720	01/01/2000 00:31:00	0.068804
720	01/01/2000 00:32:00	0.08069
720	01/01/2000 00:33:00	0.088067
720	01/01/2000 00:34:00	0.092411
720	01/01/2000 00:35:00	0.095107
720	01/01/2000 00:36:00	0.096699
720	01/01/2000 00:37:00	0.097689
720	01/01/2000 00:38:00	0.098275
720	01/01/2000 00:39:00	0.09864
720	01/01/2000 00:40:00	0.098855
720	01/01/2000 00:41:00	0.123998
720	01/01/2000 00:42:00	0.175179
720	01/01/2000 00:43:00	0.207755
720	01/01/2000 00:44:00	0.228174
720	01/01/2000 00:45:00	0.242028
720	01/01/2000 00:46:00	0.251597
720	01/01/2000 00:47:00	0.259188
720	01/01/2000 00:48:00	0.265402
720	01/01/2000 00:49:00	0.270925
720	01/01/2000 00:50:00	0.275944
720	01/01/2000 00:51:00	0.347076
720	01/01/2000 00:52:00	0.389741
720	01/01/2000 00:53:00	0.429016
720	01/01/2000 00:54:00	0.455158
720	01/01/2000 00:55:00	0.480213
720	01/01/2000 00:56:00	0.493819
720	01/01/2000 00:57:00	0.50257
720	01/01/2000 00:58:00	0.509476
720	01/01/2000 00:59:00	0.51807
720	01/01/2000 01:00:00	0.542284
720	01/01/2000 01:01:00	0.572752
720	01/01/2000 01:02:00	0.580279
720	01/01/2000 01:03:00	0.58378
720	01/01/2000 01:04:00	0.58586
720	01/01/2000 01:05:00	0.586526
720	01/01/2000 01:06:00	0.586523
720	01/01/2000 01:07:00	0.586241
720	01/01/2000 01:08:00	0.585846

720	01/01/2000 01:09:00	0.585425
720	01/01/2000 01:10:00	0.584885
720	01/01/2000 01:11:00	0.584344
720	01/01/2000 01:12:00	0.583776
720	01/01/2000 01:13:00	0.583341
720	01/01/2000 01:14:00	0.582575
720	01/01/2000 01:15:00	0.581378
720	01/01/2000 01:16:00	0.581
720	01/01/2000 01:17:00	0.580447
720	01/01/2000 01:18:00	0.579994
720	01/01/2000 01:19:00	0.579
720	01/01/2000 01:20:00	0.577561
720	01/01/2000 01:21:00	0.574652
720	01/01/2000 01:22:00	0.57175
720	01/01/2000 01:23:00	0.56271
720	01/01/2000 01:24:00	0.395
720	01/01/2000 01:25:00	0.417807
720	01/01/2000 01:26:00	0.396919
720	01/01/2000 01:27:00	0.406248
720	01/01/2000 01:28:00	0.396399
720	01/01/2000 01:29:00	0.399886
720	01/01/2000 01:30:00	0.394905
720	01/01/2000 01:31:00	0.341111
720	01/01/2000 01:32:00	0.302245
720	01/01/2000 01:33:00	0.316694
720	01/01/2000 01:34:00	0.3062
720	01/01/2000 01:35:00	0.308966
720	01/01/2000 01:36:00	0.306085
720	01/01/2000 01:37:00	0.306319
720	01/01/2000 01:38:00	0.305168
720	01/01/2000 01:39:00	0.304958
720	01/01/2000 01:40:00	0.304395
720	01/01/2000 01:41:00	0.303824
720	01/01/2000 01:42:00	0.302705
720	01/01/2000 01:43:00	0.301807
720	01/01/2000 01:44:00	0.301031
720	01/01/2000 01:45:00	0.300396
720	01/01/2000 01:46:00	0.2999
720	01/01/2000 01:47:00	0.29947
720	01/01/2000 01:48:00	0.299133
720	01/01/2000 01:49:00	0.29886
720	01/01/2000 01:50:00	0.298641
720	01/01/2000 01:51:00	0.298241
720	01/01/2000 01:52:00	0.297568
720	01/01/2000 01:53:00	0.296978
720	01/01/2000 01:54:00	0.296498
720	01/01/2000 01:55:00	0.296088
720	01/01/2000 01:56:00	0.295779
720	01/01/2000 01:57:00	0.063092
720	01/01/2000 01:58:00	0.062452
720	01/01/2000 01:59:00	0.061958
720	01/01/2000 02:00:00	0.061578
720	01/01/2000 02:01:00	0.059975
720	01/01/2000 02:02:00	0.057074
720	01/01/2000 02:03:00	0.055148
720	01/01/2000 02:04:00	0.053868
720	01/01/2000 02:05:00	0.052984
720	01/01/2000 02:06:00	0.052388
720	01/01/2000 02:07:00	0.051949
720	01/01/2000 02:08:00	0.051641
720	01/01/2000 02:09:00	0.051412
720	01/01/2000 02:10:00	0.051242
720	01/01/2000 02:11:00	0.050155
720	01/01/2000 02:12:00	0.048103
720	01/01/2000 02:13:00	0.04679
720	01/01/2000 02:14:00	0.04597
720	01/01/2000 02:15:00	0.045425
720	01/01/2000 02:16:00	0.045066
720	01/01/2000 02:17:00	0.044808
720	01/01/2000 02:18:00	0.044632
720	01/01/2000 02:19:00	0.044504
720	01/01/2000 02:20:00	0.044411
720	01/01/2000 02:21:00	0.043606
720	01/01/2000 02:22:00	0.042058
720	01/01/2000 02:23:00	0.041085
720	01/01/2000 02:24:00	0.040501
720	01/01/2000 02:25:00	0.040131
720	01/01/2000 02:26:00	0.039904
720	01/01/2000 02:27:00	0.039756
720	01/01/2000 02:28:00	0.039663
720	01/01/2000 02:29:00	0.039599
720	01/01/2000 02:30:00	0.039558
720	01/01/2000 02:31:00	0.038941
720	01/01/2000 02:32:00	0.037724
720	01/01/2000 02:33:00	0.036965
720	01/01/2000 02:34:00	0.036517
720	01/01/2000 02:35:00	0.036236
720	01/01/2000 02:36:00	0.036068
720	01/01/2000 02:37:00	0.035963
720	01/01/2000 02:38:00	0.035899
720	01/01/2000 02:39:00	0.035859
720	01/01/2000 02:40:00	0.035833
720	01/01/2000 02:41:00	0.035337
720	01/01/2000 02:42:00	0.034348
720	01/01/2000 02:43:00	0.033734
720	01/01/2000 02:44:00	0.033371
720	01/01/2000 02:45:00	0.033146
720	01/01/2000 02:46:00	0.033013
720	01/01/2000 02:47:00	0.032919
720	01/01/2000 02:48:00	0.032871
720	01/01/2000 02:49:00	0.03284
720	01/01/2000 02:50:00	0.032822
720	01/01/2000 02:51:00	0.032411
720	01/01/2000 02:52:00	0.031587
720	01/01/2000 02:53:00	0.031076
720	01/01/2000 02:54:00	0.030775
720	01/01/2000 02:55:00	0.030588
720	01/01/2000 02:56:00	0.030478
720	01/01/2000 02:57:00	0.030409
720	01/01/2000 02:58:00	0.030369
720	01/01/2000 02:59:00	0.030343
720	01/01/2000 03:00:00	0.030328
720	01/01/2000 03:01:00	0.025441
720	01/01/2000 03:02:00	0.015492
720	01/01/2000 03:03:00	0.009316
720	01/01/2000 03:04:00	0.00568
720	01/01/2000 03:05:00	0.003423
720	01/01/2000 03:06:00	0.00209
720	01/01/2000 03:07:00	0.001262
720	01/01/2000 03:08:00	0.000771
720	01/01/2000 03:09:00	0.000466
720	01/01/2000 03:10:00	0.000285
720	01/01/2000 03:11:00	0.000172
720	01/01/2000 03:12:00	0.000106
720	01/01/2000 03:13:00	6.4E-05
720	01/01/2000 03:14:00	3.9E-05
720	01/01/2000 03:15:00	2.4E-05
720	01/01/2000 03:16:00	1.5E-05
720	01/01/2000 03:17:00	0
720	01/01/2000 03:18:00	0
720	01/01/2000 03:19:00	0
720	01/01/2000 03:20:00	0
720	01/01/2000 03:21:00	0
720	01/01/2000 03:22:00	0
720	01/01/2000 03:23:00	0
720	01/01/2000 03:24:00	0
720	01/01/2000 03:25:00	0
720	01/01/2000 03:26:00	0
720	01/01/2000 03:27:00	0
720	01/01/2000 03:28:00	0
720	01/01/2000 03:29:00	0
720	01/01/2000 03:30:00	0
720	01/01/2000 03:31:00	0
720	01/01/2000 03:32:00	0
720	01/01/2000 03:33:00	0
720	01/01/2000 03:34:00	0
720	01/01/2000 03:35:00	0
720	01/01/2000 03:36:00	0
720	01/01/2000 03:37:00	0
720	01/01/2000 03:38:00	0
720	01/01/2000 03:39:00	0
720	01/01/2000 03:40:00	0
720	01/01/2000 03:41:00	0
720	01/01/2000 03:42:00	0
720	01/01/2000 03:43:00	0
720	01/01/2000 03:44:00	0
720	01/01/2000 03:45:00	0
720	01/01/2000 03:46:00	0
720	01/01/2000 03:47:00	0
720	01/01/2000 03:48:00	0
720	01/01/2000 03:49:00	0
720	01/01/2000 03:50:00	0
720	01/01/2000 03:51:00	0
720	01/01/2000 03:52:00	0
720	01/01/2000 03:53:00	0
720	01/01/2000 03:54:00	0
720	01/01/2000 03:55:00	0
720	01/01/2000 03:56:00	0
720	01/01/2000 03:57:00	0
720	01/01/2000 03:58:00	0
720	01/01/2000 03:59:00	0
720	01/01/2000 04:00:00	0
720	01/01/2000 04:01:00	0
720	01/01/2000 04:02:00	0
720	01/01/2000 04:03:00	0
720	01/01/2000 04:04:00	0
720	01/01/2000 04:05:00	0
720	01/01/2000 04:06:00	0
720	01/01/2000 04:07:00	0
720	01/01/2000 04:08:00	0
720	01/01/2000 04:09:00	0
720	01/01/2000 04:10:00	0
720	01/01/2000 04:11:00	0
720	01/01/2000 04:12:00	0
720	01/01/2000 04:13:00	0
720	01/01/2000 04:14:00	0
720	01/01/2000 04:15:00	0
720	01/01/2000 04:16:00	0

;Flow (m³/s)

721	01/01/2000 00:00:00	0
721	01/01/2000 00:01:00	0
721	01/01/2000 00:02:00	0
721	01/01/2000 00:03:00	0
721	01/01/2000 00:04:00	0
721	01/01/2000 00:05:00	0
721	01/01/2000 00:06:00	0
721	01/01/2000 00:07:00	0
721	01/01/2000 00:08:00	0
721	01/01/2000 00:09:00	0
721	01/01/2000 00:10:00	0
721	01/01/2000 00:11:00	0
721	01/01/2000 00:12:00	0
721	01/01/2000 00:13:00	0
721	01/01/2000 00:14:00	0
721	01/01/2000 00:15:00	0.000132
721	01/01/2000 00:16:00	0.000626
721	01/01/2000 00:17:00	0.001555
721	01/01/2000 00:18:00	0.002643
721	01/01/2000 00:19:00	0.003483
721	01/01/2000 00:20:00	0.004025
721	01/01/2000 00:21:00	0.004481
721	01/01/2000 00:22:00	0.004973
721	01/01/2000 00:23:00	0.005529
721	01/01/2000 00:24:00	0.006005
721	01/01/2000 00:25:00	0.006304
721	01/01/2000 00:26:00	0.006508
721	01/01/2000 00:27:00	0.006644
721	01/01/2000 00:28:00	0.006736
721	01/01/2000 00:29:00	0.006797
721	01/01/2000 00:30:00	0.006838
721	01/01/2000 00:31:00	0.007061
721	01/01/2000 00:32:00	0.007626
721	01/01/2000 00:33:00	0.008506
721	01/01/2000 00:34:00	0.009325
721	01/01/2000 00:35:00	0.009832
721	01/01/2000 00:36:00	0.010179
721	01/01/2000 00:37:00	0.01041
721	01/01/2000 00:38:00	0.010565
721	01/01/2000 00:39:00	0.010669
721	01/01/2000 00:40:00	0.010739
721	01/01/2000 00:41:00	0.011896
721	01/01/2000 00:42:00	0.01498
721	01/01/2000 00:43:00	0.019901
721	01/01/2000 00:44:00	0.025103
721	01/01/2000 00:45:00	0.029281
721	01/01/2000 00:46:00	0.032872
721	01/01/2000 00:47:00	0.036104
721	01/01/2000 00:48:00	0.039147
721	01/01/2000 00:49:00	0.041462
721	01/01/2000 00:50:00	0.043756
721	01/01/2000 00:51:00	0.051635
721	01/01/2000 00:52:00	0.059934
721	01/01/2000 00:53:00	0.06475
721	01/01/2000 00:54:00	0.070807
721	01/01/2000 00:55:00	0.078092
721	01/01/2000 00:56:00	0.086589
721	01/01/2000 00:57:00	0.096522
721	01/01/2000 00:58:00	0.10747
721	01/01/2000 00:59:00	0.116763
721	01/01/2000 01:00:00	0.124989
721	01/01/2000 01:01:00	0.132163
721	01/01/2000 01:02:00	0.136396
721	01/01/2000 01:03:00	0.138809
721	01/01/2000 01:04:00	0.139485
721	01/01/2000 01:05:00	0.138497
721	01/01/2000 01:06:00	0.135909
721	01/01/2000 01:07:00	0.131781
721	01/01/2000 01:08:00	0.126162
721	01/01/2000 01:09:00	0.121244
721	01/01/2000 01:10:00	0.116941
721	01/01/2000 01:11:00	0.112939
721	01/01/2000 01:12:00	0.109171
721	01/01/2000 01:13:00	0.105585
721	01/01/2000 01:14:00	0.10213
721	01/01/2000 01:15:00	0.098759
721	01/01/2000 01:16:00	0.095433
721	01/01/2000 01:17:00	0.092117
721	01/01/2000 01:18:00	0.088781
721	01/01/2000 01:19:00	0.085858
721	01/01/2000 01:20:00	0.083298
721	01/01/2000 01:21:00	0.080976
721	01/01/2000 01:22:00	0.078852
721	01/01/2000 01:23:00	0.076895
721	01/01/2000 01:24:00	0.075074
721	01/01/2000 01:25:00	0.073361
721	01/01/2000 01:26:00	0.071672
721	01/01/2000 01:27:00	0.069626
721	01/01/2000 01:28:00	0.067661
721	01/01/2000 01:29:00	0.066336
721	01/01/2000 01:30:00	0.065176
721	01/01/2000 01:31:00	0.06412
721	01/01/2000 01:32:00	0.063152
721	01/01/2000 01:33:00	0.062256
721	01/01/2000 01:34:00	0.061418
721	01/01/2000 01:35:00	0.060627
721	01/01/2000 01:36:00	0.059872
721	01/01/2000 01:37:00	0.059143
721	01/01/2000 01:38:00	0.058432
721	01/01/2000 01:39:00	0.057809
721	01/01/2000 01:40:00	0.057265
721	01/01/2000 01:41:00	0.056735
721	01/01/2000 01:42:00	0.056116
721	01/01/2000 01:43:00	0.055525
721	01/01/2000 01:44:00	0.054954
721	01/01/2000 01:45:00	0.054397
721	01/01/2000 01:46:00	0.053852
721	01/01/2000 01:47:00	0.053313

721	01/01/2000 01:48:00	0.05284
721	01/01/2000 01:49:00	0.05242
721	01/01/2000 01:50:00	0.05204
721	01/01/2000 01:51:00	0.051681
721	01/01/2000 01:52:00	0.051336
721	01/01/2000 01:53:00	0.051003
721	01/01/2000 01:54:00	0.050677
721	01/01/2000 01:55:00	0.050356
721	01/01/2000 01:56:00	0.050038
721	01/01/2000 01:57:00	0.04972
721	01/01/2000 01:58:00	0.037497
721	01/01/2000 01:59:00	0.006009
721	01/01/2000 02:00:00	0.011535
721	01/01/2000 02:01:00	0.010183
721	01/01/2000 02:02:00	0.01001
721	01/01/2000 02:03:00	0.009512
721	01/01/2000 02:04:00	0.009044
721	01/01/2000 02:05:00	0.008648
721	01/01/2000 02:06:00	0.008323
721	01/01/2000 02:07:00	0.008045
721	01/01/2000 02:08:00	0.007799
721	01/01/2000 02:09:00	0.007597
721	01/01/2000 02:10:00	0.00743
721	01/01/2000 02:11:00	0.007246
721	01/01/2000 02:12:00	0.007014
721	01/01/2000 02:13:00	0.006733
721	01/01/2000 02:14:00	0.006462
721	01/01/2000 02:15:00	0.006246
721	01/01/2000 02:16:00	0.006063
721	01/01/2000 02:17:00	0.005901
721	01/01/2000 02:18:00	0.005754
721	01/01/2000 02:19:00	0.005632
721	01/01/2000 02:20:00	0.00553
721	01/01/2000 02:21:00	0.005417
721	01/01/2000 02:22:00	0.005273
721	01/01/2000 02:23:00	0.005098
721	01/01/2000 02:24:00	0.004939
721	01/01/2000 02:25:00	0.004826
721	01/01/2000 02:26:00	0.004739
721	01/01/2000 02:27:00	0.00467
721	01/01/2000 02:28:00	0.004616
721	01/01/2000 02:29:00	0.004572
721	01/01/2000 02:30:00	0.004536
721	01/01/2000 02:31:00	0.004487
721	01/01/2000 02:32:00	0.004407
721	01/01/2000 02:33:00	0.004298
721	01/01/2000 02:34:00	0.004198
721	01/01/2000 02:35:00	0.004132
721	01/01/2000 02:36:00	0.004084
721	01/01/2000 02:37:00	0.004051
721	01/01/2000 02:38:00	0.004025
721	01/01/2000 02:39:00	0.004006
721	01/01/2000 02:40:00	0.003992
721	01/01/2000 02:41:00	0.003965
721	01/01/2000 02:42:00	0.003911
721	01/01/2000 02:43:00	0.003832
721	01/01/2000 02:44:00	0.003759
721	01/01/2000 02:45:00	0.003713
721	01/01/2000 02:46:00	0.00368
721	01/01/2000 02:47:00	0.003659
721	01/01/2000 02:48:00	0.003643
721	01/01/2000 02:49:00	0.003632
721	01/01/2000 02:50:00	0.003624
721	01/01/2000 02:51:00	0.003605
721	01/01/2000 02:52:00	0.003563
721	01/01/2000 02:53:00	0.0035
721	01/01/2000 02:54:00	0.003442
721	01/01/2000 02:55:00	0.003406
721	01/01/2000 02:56:00	0.00338
721	01/01/2000 02:57:00	0.003353
721	01/01/2000 02:58:00	0.003343
721	01/01/2000 02:59:00	0.003335
721	01/01/2000 03:00:00	0.00333
721	01/01/2000 03:01:00	0.003164
721	01/01/2000 03:02:00	0.002704
721	01/01/2000 03:03:00	0.001974
721	01/01/2000 03:04:00	0.001294
721	01/01/2000 03:05:00	0.000873
721	01/01/2000 03:06:00	0.000584
721	01/01/2000 03:07:00	0.000392
721	01/01/2000 03:08:00	0.000263
721	01/01/2000 03:09:00	0.000176
721	01/01/2000 03:10:00	0.000118
721	01/01/2000 03:11:00	7.9E-05
721	01/01/2000 03:12:00	5.3E-05
721	01/01/2000 03:13:00	3.6E-05
721	01/01/2000 03:14:00	2.4E-05
721	01/01/2000 03:15:00	1.6E-05
721	01/01/2000 03:16:00	1.1E-05
721	01/01/2000 03:17:00	0
721	01/01/2000 03:18:00	0
721	01/01/2000 03:19:00	0
721	01/01/2000 03:20:00	0
721	01/01/2000 03:21:00	0
721	01/01/2000 03:22:00	0
721	01/01/2000 03:23:00	0
721	01/01/2000 03:24:00	0
721	01/01/2000 03:25:00	0
721	01/01/2000 03:26:00	0
721	01/01/2000 03:27:00	0
721	01/01/2000 03:28:00	0
721	01/01/2000 03:29:00	0
721	01/01/2000 03:30:00	0
721	01/01/2000 03:31:00	0
721	01/01/2000 03:32:00	0
721	01/01/2000 03:33:00	0
721	01/01/2000 03:34:00	0
721	01/01/2000 03:35:00	0
721	01/01/2000 03:36:00	0
721	01/01/2000 03:37:00	0
721	01/01/2000 03:38:00	0
721	01/01/2000 03:39:00	0
721	01/01/2000 03:40:00	0
721	01/01/2000 03:41:00	0
721	01/01/2000 03:42:00	0
721	01/01/2000 03:43:00	0
721	01/01/2000 03:44:00	0
721	01/01/2000 03:45:00	0
721	01/01/2000 03:46:00	0
721	01/01/2000 03:47:00	0
721	01/01/2000 03:48:00	0
721	01/01/2000 03:49:00	0
721	01/01/2000 03:50:00	0
721	01/01/2000 03:51:00	0
721	01/01/2000 03:52:00	0
721	01/01/2000 03:53:00	0
721	01/01/2000 03:54:00	0
721	01/01/2000 03:55:00	0
721	01/01/2000 03:56:00	0
721	01/01/2000 03:57:00	0
721	01/01/2000 03:58:00	0
721	01/01/2000 03:59:00	0
721	01/01/2000 04:00:00	0
721	01/01/2000 04:01:00	0
721	01/01/2000 04:02:00	0
721	01/01/2000 04:03:00	0
721	01/01/2000 04:04:00	0
721	01/01/2000 04:05:00	0
721	01/01/2000 04:06:00	0
721	01/01/2000 04:07:00	0
721	01/01/2000 04:08:00	0
721	01/01/2000 04:09:00	0
721	01/01/2000 04:10:00	0
721	01/01/2000 04:11:00	0
721	01/01/2000 04:12:00	0
721	01/01/2000 04:13:00	0
721	01/01/2000 04:14:00	0
721	01/01/2000 04:15:00	0
721	01/01/2000 04:16:00	0

;Flow (m³/s)		
722	01/01/2000 00:00:00	0
722	01/01/2000 00:01:00	0
722	01/01/2000 00:02:00	0
722	01/01/2000 00:03:00	0
722	01/01/2000 00:04:00	0
722	01/01/2000 00:05:00	0
722	01/01/2000 00:06:00	0
722	01/01/2000 00:07:00	0
722	01/01/2000 00:08:00	0
722	01/01/2000 00:09:00	0
722	01/01/2000 00:10:00	0
722	01/01/2000 00:11:00	0
722	01/01/2000 00:12:00	0
722	01/01/2000 00:13:00	0
722	01/01/2000 00:14:00	0
722	01/01/2000 00:15:00	8.5E-05
722	01/01/2000 00:16:00	0.000329
722	01/01/2000 00:17:00	0.000623
722	01/01/2000 00:18:00	0.000852
722	01/01/2000 00:19:00	0.001006
722	01/01/2000 00:20:00	0.001102
722	01/01/2000 00:21:00	0.001215
722	01/01/2000 00:22:00	0.001358
722	01/01/2000 00:23:00	0.001471
722	01/01/2000 00:24:00	0.001547
722	01/01/2000 00:25:00	0.001595
722	01/01/2000 00:26:00	0.001623
722	01/01/2000 00:27:00	0.001639
722	01/01/2000 00:28:00	0.001648
722	01/01/2000 00:29:00	0.001653
722	01/01/2000 00:30:00	0.001656
722	01/01/2000 00:31:00	0.001782
722	01/01/2000 00:32:00	0.002028
722	01/01/2000 00:33:00	0.002238
722	01/01/2000 00:34:00	0.002385
722	01/01/2000 00:35:00	0.002479
722	01/01/2000 00:36:00	0.002535
722	01/01/2000 00:37:00	0.002567
722	01/01/2000 00:38:00	0.002586
722	01/01/2000 00:39:00	0.002596
722	01/01/2000 00:40:00	0.002602
722	01/01/2000 00:41:00	0.003162
722	01/01/2000 00:42:00	0.004318
722	01/01/2000 00:43:00	0.005441
722	01/01/2000 00:44:00	0.006379
722	01/01/2000 00:45:00	0.007109
722	01/01/2000 00:46:00	0.007671
722	01/01/2000 00:47:00	0.008058
722	01/01/2000 00:48:00	0.008255
722	01/01/2000 00:49:00	0.008466
722	01/01/2000 00:50:00	0.00868
722	01/01/2000 00:51:00	0.010631
722	01/01/2000 00:52:00	0.011
722	01/01/2000 00:53:00	0.011
722	01/01/2000 00:54:00	0.011
722	01/01/2000 00:55:00	0.011
722	01/01/2000 00:56:00	0.011
722	01/01/2000 00:57:00	0.011
722	01/01/2000 00:58:00	0.011
722	01/01/2000 00:59:00	0.011
722	01/01/2000 01:00:00	0.011
722	01/01/2000 01:01:00	0.011
722	01/01/2000 01:02:00	0.011794
722	01/01/2000 01:03:00	0.012
722	01/01/2000 01:04:00	0.012
722	01/01/2000 01:05:00	0.012
722	01/01/2000 01:06:00	0.012
722	01/01/2000 01:07:00	0.012
722	01/01/2000 01:08:00	0.012
722	01/01/2000 01:09:00	0.012
722	01/01/2000 01:10:00	0.012
722	01/01/2000 01:11:00	0.012
722	01/01/2000 01:12:00	0.012
722	01/01/2000 01:13:00	0.012
722	01/01/2000 01:14:00	0.012
722	01/01/2000 01:15:00	0.012
722	01/01/2000 01:16:00	0.012
722	01/01/2000 01:17:00	0.012
722	01/01/2000 01:18:00	0.012
722	01/01/2000 01:19:00	0.012
722	01/01/2000 01:20:00	0.012
722	01/01/2000 01:21:00	0.012
722	01/01/2000 01:22:00	0.012
722	01/01/2000 01:23:00	0.012
722	01/01/2000 01:24:00	0.012
722	01/01/2000 01:25:00	0.012
722	01/01/2000 01:26:00	0.012
722	01/01/2000 01:27:00	0.012
722	01/01/2000 01:28:00	0.011975
722	01/01/2000 01:29:00	0.011764
722	01/01/2000 01:30:00	0.011556
722	01/01/2000 01:31:00	0.011353
722	01/01/2000 01:32:00	0.011162
722	01/01/2000 01:33:00	0.011
722	01/01/2000 01:34:00	0.011
722	01/01/2000 01:35:00	0.011
722	01/01/2000 01:36:00	0.011
722	01/01/2000 01:37:00	0.011
722	01/01/2000 01:38:00	0.011
722	01/01/2000 01:39:00	0.011
722	01/01/2000 01:40:00	0.011
722	01/01/2000 01:41:00	0.011
722	01/01/2000 01:42:00	0.011
722	01/01/2000 01:43:00	0.011
722	01/01/2000 01:44:00	0.011
722	01/01/2000 01:45:00	0.011
722	01/01/2000 01:46:00	0.011
722	01/01/2000 01:47:00	0.011
722	01/01/2000 01:48:00	0.011
722	01/01/2000 01:49:00	0.011
722	01/01/2000 01:50:00	0.011
722	01/01/2000 01:51:00	0.011
722	01/01/2000 01:52:00	0.011
722	01/01/2000 01:53:00	0.011
722	01/01/2000 01:54:00	0.011
722	01/01/2000 01:55:00	0.011
722	01/01/2000 01:56:00	0.011
722	01/01/2000 01:57:00	0.011
722	01/01/2000 01:58:00	0.011
722	01/01/2000 01:59:00	0.011
722	01/01/2000 02:00:00	0.011
722	01/01/2000 02:01:00	0.011
722	01/01/2000 02:02:00	0.011
722	01/01/2000 02:03:00	0.011
722	01/01/2000 02:04:00	0.011
722	01/01/2000 02:05:00	0.011
722	01/01/2000 02:06:00	0.011
722	01/01/2000 02:07:00	0.011
722	01/01/2000 02:08:00	0.011
722	01/01/2000 02:09:00	0.011
722	01/01/2000 02:10:00	0.011
722	01/01/2000 02:11:00	0.011
722	01/01/2000 02:12:00	0.011
722	01/01/2000 02:13:00	0.011
722	01/01/2000 02:14:00	0.011
722	01/01/2000 02:15:00	0.011
722	01/01/2000 02:16:00	0.011
722	01/01/2000 02:17:00	0.010705
722	01/01/2000 02:18:00	0.008215
722	01/01/2000 02:19:00	0.004818
722	01/01/2000 02:20:00	0.00295
722	01/01/2000 02:21:00	0.002019
722	01/01/2000 02:22:00	0.00154
722	01/01/2000 02:23:00	0.001294
722	01/01/2000 02:24:00	0.001168
722	01/01/2000 02:25:00	0.001104
722	01/01/2000 02:26:00	0.001071

722	01/01/2000 02:27:00	0.001054
722	01/01/2000 02:28:00	0.001046
722	01/01/2000 02:29:00	0.001041
722	01/01/2000 02:30:00	0.001039
722	01/01/2000 02:31:00	0.001025
722	01/01/2000 02:32:00	0.001
722	01/01/2000 02:33:00	0.000978
722	01/01/2000 02:34:00	0.000963
722	01/01/2000 02:35:00	0.000954
722	01/01/2000 02:36:00	0.000948
722	01/01/2000 02:37:00	0.000945
722	01/01/2000 02:38:00	0.000943
722	01/01/2000 02:39:00	0.000942
722	01/01/2000 02:40:00	0.000941
722	01/01/2000 02:41:00	0.000931
722	01/01/2000 02:42:00	0.00091
722	01/01/2000 02:43:00	0.000893
722	01/01/2000 02:44:00	0.000881
722	01/01/2000 02:45:00	0.000873
722	01/01/2000 02:46:00	0.000868
722	01/01/2000 02:47:00	0.000866
722	01/01/2000 02:48:00	0.000864
722	01/01/2000 02:49:00	0.000863
722	01/01/2000 02:50:00	0.000863
722	01/01/2000 02:51:00	0.000854
722	01/01/2000 02:52:00	0.000837
722	01/01/2000 02:53:00	0.000822
722	01/01/2000 02:54:00	0.000812
722	01/01/2000 02:55:00	0.000806
722	01/01/2000 02:56:00	0.000802
722	01/01/2000 02:57:00	0.0008
722	01/01/2000 02:58:00	0.000798
722	01/01/2000 02:59:00	0.000798
722	01/01/2000 03:00:00	0.000797
722	01/01/2000 03:01:00	0.000693
722	01/01/2000 03:02:00	0.000487
722	01/01/2000 03:03:00	0.00031
722	01/01/2000 03:04:00	0.000187
722	01/01/2000 03:05:00	0.000109
722	01/01/2000 03:06:00	6.2E-05
722	01/01/2000 03:07:00	3.4E-05
722	01/01/2000 03:08:00	1.9E-05
722	01/01/2000 03:09:00	1E-05
722	01/01/2000 03:10:00	0
722	01/01/2000 03:11:00	0
722	01/01/2000 03:12:00	0
722	01/01/2000 03:13:00	0
722	01/01/2000 03:14:00	0
722	01/01/2000 03:15:00	0
722	01/01/2000 03:16:00	0
722	01/01/2000 03:17:00	0
722	01/01/2000 03:18:00	0
722	01/01/2000 03:19:00	0
722	01/01/2000 03:20:00	0
722	01/01/2000 03:21:00	0
722	01/01/2000 03:22:00	0
722	01/01/2000 03:23:00	0
722	01/01/2000 03:24:00	0
722	01/01/2000 03:25:00	0
722	01/01/2000 03:26:00	0
722	01/01/2000 03:27:00	0
722	01/01/2000 03:28:00	0
722	01/01/2000 03:29:00	0
722	01/01/2000 03:30:00	0
722	01/01/2000 03:31:00	0
722	01/01/2000 03:32:00	0
722	01/01/2000 03:33:00	0
722	01/01/2000 03:34:00	0
722	01/01/2000 03:35:00	0
722	01/01/2000 03:36:00	0
722	01/01/2000 03:37:00	0
722	01/01/2000 03:38:00	0
722	01/01/2000 03:39:00	0
722	01/01/2000 03:40:00	0
722	01/01/2000 03:41:00	0
722	01/01/2000 03:42:00	0
722	01/01/2000 03:43:00	0
722	01/01/2000 03:44:00	0
722	01/01/2000 03:45:00	0
722	01/01/2000 03:46:00	0
722	01/01/2000 03:47:00	0
722	01/01/2000 03:48:00	0
722	01/01/2000 03:49:00	0
722	01/01/2000 03:50:00	0
722	01/01/2000 03:51:00	0
722	01/01/2000 03:52:00	0
722	01/01/2000 03:53:00	0
722	01/01/2000 03:54:00	0
722	01/01/2000 03:55:00	0
722	01/01/2000 03:56:00	0
722	01/01/2000 03:57:00	0
722	01/01/2000 03:58:00	0
722	01/01/2000 03:59:00	0
722	01/01/2000 04:00:00	0
722	01/01/2000 04:01:00	0
722	01/01/2000 04:02:00	0
722	01/01/2000 04:03:00	0
722	01/01/2000 04:04:00	0
722	01/01/2000 04:05:00	0
722	01/01/2000 04:06:00	0
722	01/01/2000 04:07:00	0
722	01/01/2000 04:08:00	0
722	01/01/2000 04:09:00	0
722	01/01/2000 04:10:00	0
722	01/01/2000 04:11:00	0
722	01/01/2000 04:12:00	0
722	01/01/2000 04:13:00	0
722	01/01/2000 04:14:00	0
722	01/01/2000 04:15:00	0
722	01/01/2000 04:16:00	0

;Flow (m³/s)

723E	01/01/2000 00:00:00	0
723E	01/01/2000 00:01:00	0
723E	01/01/2000 00:02:00	0
723E	01/01/2000 00:03:00	0
723E	01/01/2000 00:04:00	0
723E	01/01/2000 00:05:00	0
723E	01/01/2000 00:06:00	0
723E	01/01/2000 00:07:00	0
723E	01/01/2000 00:08:00	0
723E	01/01/2000 00:09:00	0
723E	01/01/2000 00:10:00	0
723E	01/01/2000 00:11:00	0
723E	01/01/2000 00:12:00	0
723E	01/01/2000 00:13:00	0
723E	01/01/2000 00:14:00	0
723E	01/01/2000 00:15:00	0.000418
723E	01/01/2000 00:16:00	0.00184
723E	01/01/2000 00:17:00	0.003536
723E	01/01/2000 00:18:00	0.004512
723E	01/01/2000 00:19:00	0.004987
723E	01/01/2000 00:20:00	0.005258
723E	01/01/2000 00:21:00	0.005668
723E	01/01/2000 00:22:00	0.006432
723E	01/01/2000 00:23:00	0.006966
723E	01/01/2000 00:24:00	0.007184
723E	01/01/2000 00:25:00	0.007331
723E	01/01/2000 00:26:00	0.007393
723E	01/01/2000 00:27:00	0.007433
723E	01/01/2000 00:28:00	0.007451
723E	01/01/2000 00:29:00	0.007462
723E	01/01/2000 00:30:00	0.007467
723E	01/01/2000 00:31:00	0.008082
723E	01/01/2000 00:32:00	0.009613
723E	01/01/2000 00:33:00	0.010719
723E	01/01/2000 00:34:00	0.011155
723E	01/01/2000 00:35:00	0.011459
723E	01/01/2000 00:36:00	0.011582
723E	01/01/2000 00:37:00	0.011666
723E	01/01/2000 00:38:00	0.011701
723E	01/01/2000 00:39:00	0.011724
723E	01/01/2000 00:40:00	0.011734
723E	01/01/2000 00:41:00	0.014811
723E	01/01/2000 00:42:00	0.022498
723E	01/01/2000 00:43:00	0.029103
723E	01/01/2000 00:44:00	0.033094
723E	01/01/2000 00:45:00	0.036471
723E	01/01/2000 00:46:00	0.039196
723E	01/01/2000 00:47:00	0.041808
723E	01/01/2000 00:48:00	0.04408
723E	01/01/2000 00:49:00	0.046159
723E	01/01/2000 00:50:00	0.048058
723E	01/01/2000 00:51:00	0.070759
723E	01/01/2000 00:52:00	0.108775
723E	01/01/2000 00:53:00	0.112928
723E	01/01/2000 00:54:00	0.118555
723E	01/01/2000 00:55:00	0.125512
723E	01/01/2000 00:56:00	0.129745
723E	01/01/2000 00:57:00	0.130572
723E	01/01/2000 00:58:00	0.131467
723E	01/01/2000 00:59:00	0.132411
723E	01/01/2000 01:00:00	0.133408
723E	01/01/2000 01:01:00	0.134262
723E	01/01/2000 01:02:00	0.134811
723E	01/01/2000 01:03:00	0.135198
723E	01/01/2000 01:04:00	0.135464
723E	01/01/2000 01:05:00	0.135645
723E	01/01/2000 01:06:00	0.135764
723E	01/01/2000 01:07:00	0.135829
723E	01/01/2000 01:08:00	0.135852
723E	01/01/2000 01:09:00	0.135842
723E	01/01/2000 01:10:00	0.135807
723E	01/01/2000 01:11:00	0.135741
723E	01/01/2000 01:12:00	0.135626
723E	01/01/2000 01:13:00	0.13546
723E	01/01/2000 01:14:00	0.135254
723E	01/01/2000 01:15:00	0.13502
723E	01/01/2000 01:16:00	0.132816
723E	01/01/2000 01:17:00	0.129967
723E	01/01/2000 01:18:00	0.127488
723E	01/01/2000 01:19:00	0.125315
723E	01/01/2000 01:20:00	0.123312
723E	01/01/2000 01:21:00	0.121464
723E	01/01/2000 01:22:00	0.119727
723E	01/01/2000 01:23:00	0.118073
723E	01/01/2000 01:24:00	0.116482
723E	01/01/2000 01:25:00	0.114936
723E	01/01/2000 01:26:00	0.113421
723E	01/01/2000 01:27:00	0.111903
723E	01/01/2000 01:28:00	0.110539
723E	01/01/2000 01:29:00	0.109307
723E	01/01/2000 01:30:00	0.108189
723E	01/01/2000 01:31:00	0.107128
723E	01/01/2000 01:32:00	0.106107
723E	01/01/2000 01:33:00	0.105405
723E	01/01/2000 01:34:00	0.022756
723E	01/01/2000 01:35:00	0.023844
723E	01/01/2000 01:36:00	0.021863
723E	01/01/2000 01:37:00	0.021661
723E	01/01/2000 01:38:00	0.020798
723E	01/01/2000 01:39:00	0.020464
723E	01/01/2000 01:40:00	0.020018
723E	01/01/2000 01:41:00	0.01934
723E	01/01/2000 01:42:00	0.01807
723E	01/01/2000 01:43:00	0.016919
723E	01/01/2000 01:44:00	0.016116
723E	01/01/2000 01:45:00	0.015505
723E	01/01/2000 01:46:00	0.015018
723E	01/01/2000 01:47:00	0.014605
723E	01/01/2000 01:48:00	0.014281
723E	01/01/2000 01:49:00	0.014024
723E	01/01/2000 01:50:00	0.013818
723E	01/01/2000 01:51:00	0.013382
723E	01/01/2000 01:52:00	0.012581
723E	01/01/2000 01:53:00	0.011837
723E	01/01/2000 01:54:00	0.011328
723E	01/01/2000 01:55:00	0.010937
723E	01/01/2000 01:56:00	0.010629
723E	01/01/2000 01:57:00	0.010364
723E	01/01/2000 01:58:00	0.010158
723E	01/01/2000 01:59:00	0.009995
723E	01/01/2000 02:00:00	0.009863
723E	01/01/2000 02:01:00	0.009566
723E	01/01/2000 02:02:00	0.009006
723E	01/01/2000 02:03:00	0.008483
723E	01/01/2000 02:04:00	0.008127
723E	01/01/2000 02:05:00	0.007853
723E	01/01/2000 02:06:00	0.007638
723E	01/01/2000 02:07:00	0.007453
723E	01/01/2000 02:08:00	0.007308
723E	01/01/2000 02:09:00	0.007192
723E	01/01/2000 02:10:00	0.0071
723E	01/01/2000 02:11:00	0.00691
723E	01/01/2000 02:12:00	0.006565
723E	01/01/2000 02:13:00	0.006282
723E	01/01/2000 02:14:00	0.006111
723E	01/01/2000 02:15:00	0.005969
723E	01/01/2000 02:16:00	0.00586
723E	01/01/2000 02:17:00	0.005756
723E	01/01/2000 02:18:00	0.005675
723E	01/01/2000 02:19:00	0.005609
723E	01/01/2000 02:20:00	0.005553
723E	01/01/2000 02:21:00	0.00543
723E	01/01/2000 02:22:00	0.005197
723E	01/01/2000 02:23:00	0.005023
723E	01/01/2000 02:24:00	0.004938
723E	01/01/2000 02:25:00	0.004875
723E	01/01/2000 02:26:00	0.004835
723E	01/01/2000 02:27:00	0.004804
723E	01/01/2000 02:28:00	0.004782
723E	01/01/2000 02:29:00	0.004763
723E	01/01/2000 02:30:00	0.004749
723E	01/01/2000 02:31:00	0.004675
723E	01/01/2000 02:32:00	0.004511
723E	01/01/2000 02:33:00	0.00439
723E	01/01/2000 02:34:00	0.00434
723E	01/01/2000 02:35:00	0.004303
723E	01/01/2000 02:36:00	0.004284
723E	01/01/2000 02:37:00	0.004272
723E	01/01/2000 02:38:00	0.004264
723E	01/01/2000 02:39:00	0.004259
723E	01/01/2000 02:40:00	0.004255
723E	01/01/2000 02:41:00	0.004202
723E	01/01/2000 02:42:00	0.004073
723E	01/01/2000 02:43:00	0.00398
723E	01/01/2000 02:44:00	0.003942
723E	01/01/2000 02:45:00	0.003916
723E	01/01/2000 02:46:00	0.003894
723E	01/01/2000 02:47:00	0.003887
723E	01/01/2000 02:48:00	0.003885
723E	01/01/2000 02:49:00	0.003883
723E	01/01/2000 02:50:00	0.003882
723E	01/01/2000 02:51:00	0.003839
723E	01/01/2000 02:52:00	0.003733
723E	01/01/2000 02:53:00	0.003657
723E	01/01/2000 02:54:00	0.003627
723E	01/01/2000 02:55:00	0.003606
723E	01/01/2000 02:56:00	0.003597
723E	01/01/2000 02:57:00	0.003592
723E	01/01/2000 02:58:00	0.003589
723E	01/01/2000 02:59:00	0.003588
723E	01/01/2000 03:00:00	0.003587
723E	01/01/2000 03:01:00	0.003073
723E	01/01/2000 03:02:00	0.001789
723E	01/01/2000 03:03:00	0.000862
723E	01/01/2000 03:04:00	0.000497
723E	01/01/2000 03:05:00	0.000241

723E	01/01/2000 03:06:00	0.000138
723E	01/01/2000 03:07:00	6.8E-05
723E	01/01/2000 03:08:00	3.8E-05
723E	01/01/2000 03:09:00	1.9E-05
723E	01/01/2000 03:10:00	1.1E-05
723E	01/01/2000 03:11:00	0
723E	01/01/2000 03:12:00	0
723E	01/01/2000 03:13:00	0
723E	01/01/2000 03:14:00	0
723E	01/01/2000 03:15:00	0
723E	01/01/2000 03:16:00	0
723E	01/01/2000 03:17:00	0
723E	01/01/2000 03:18:00	0
723E	01/01/2000 03:19:00	0
723E	01/01/2000 03:20:00	0
723E	01/01/2000 03:21:00	0
723E	01/01/2000 03:22:00	0
723E	01/01/2000 03:23:00	0
723E	01/01/2000 03:24:00	0
723E	01/01/2000 03:25:00	0
723E	01/01/2000 03:26:00	0
723E	01/01/2000 03:27:00	0
723E	01/01/2000 03:28:00	0
723E	01/01/2000 03:29:00	0
723E	01/01/2000 03:30:00	0
723E	01/01/2000 03:31:00	0
723E	01/01/2000 03:32:00	0
723E	01/01/2000 03:33:00	0
723E	01/01/2000 03:34:00	0
723E	01/01/2000 03:35:00	0
723E	01/01/2000 03:36:00	0
723E	01/01/2000 03:37:00	0
723E	01/01/2000 03:38:00	0
723E	01/01/2000 03:39:00	0
723E	01/01/2000 03:40:00	0
723E	01/01/2000 03:41:00	0
723E	01/01/2000 03:42:00	0
723E	01/01/2000 03:43:00	0
723E	01/01/2000 03:44:00	0
723E	01/01/2000 03:45:00	0
723E	01/01/2000 03:46:00	0
723E	01/01/2000 03:47:00	0
723E	01/01/2000 03:48:00	0
723E	01/01/2000 03:49:00	0
723E	01/01/2000 03:50:00	0
723E	01/01/2000 03:51:00	0
723E	01/01/2000 03:52:00	0
723E	01/01/2000 03:53:00	0
723E	01/01/2000 03:54:00	0
723E	01/01/2000 03:55:00	0
723E	01/01/2000 03:56:00	0
723E	01/01/2000 03:57:00	0
723E	01/01/2000 03:58:00	0
723E	01/01/2000 03:59:00	0
723E	01/01/2000 04:00:00	0
723E	01/01/2000 04:01:00	0
723E	01/01/2000 04:02:00	0
723E	01/01/2000 04:03:00	0
723E	01/01/2000 04:04:00	0
723E	01/01/2000 04:05:00	0
723E	01/01/2000 04:06:00	0
723E	01/01/2000 04:07:00	0
723E	01/01/2000 04:08:00	0
723E	01/01/2000 04:09:00	0
723E	01/01/2000 04:10:00	0
723E	01/01/2000 04:11:00	0
723E	01/01/2000 04:12:00	0
723E	01/01/2000 04:13:00	0
723E	01/01/2000 04:14:00	0
723E	01/01/2000 04:15:00	0
723E	01/01/2000 04:16:00	0

;Flow (m^3/s)

723W	01/01/2000 00:00:00	0
723W	01/01/2000 00:01:00	0
723W	01/01/2000 00:02:00	0
723W	01/01/2000 00:03:00	0
723W	01/01/2000 00:04:00	0
723W	01/01/2000 00:05:00	0
723W	01/01/2000 00:06:00	0
723W	01/01/2000 00:07:00	0
723W	01/01/2000 00:08:00	0
723W	01/01/2000 00:09:00	0
723W	01/01/2000 00:10:00	0
723W	01/01/2000 00:11:00	0
723W	01/01/2000 00:12:00	0
723W	01/01/2000 00:13:00	0
723W	01/01/2000 00:14:00	0
723W	01/01/2000 00:15:00	0.000108
723W	01/01/2000 00:16:00	0.000544
723W	01/01/2000 00:17:00	0.001233
723W	01/01/2000 00:18:00	0.001815
723W	01/01/2000 00:19:00	0.002159
723W	01/01/2000 00:20:00	0.002348
723W	01/01/2000 00:21:00	0.00252
723W	01/01/2000 00:22:00	0.002799
723W	01/01/2000 00:23:00	0.003081
723W	01/01/2000 00:24:00	0.003252
723W	01/01/2000 00:25:00	0.003347
723W	01/01/2000 00:26:00	0.003398
723W	01/01/2000 00:27:00	0.003425
723W	01/01/2000 00:28:00	0.00344
723W	01/01/2000 00:29:00	0.003448
723W	01/01/2000 00:30:00	0.003452
723W	01/01/2000 00:31:00	0.003612
723W	01/01/2000 00:32:00	0.00411
723W	01/01/2000 00:33:00	0.004672
723W	01/01/2000 00:34:00	0.005018
723W	01/01/2000 00:35:00	0.005211
723W	01/01/2000 00:36:00	0.005314
723W	01/01/2000 00:37:00	0.00537
723W	01/01/2000 00:38:00	0.0054
723W	01/01/2000 00:39:00	0.005416
723W	01/01/2000 00:40:00	0.005424
723W	01/01/2000 00:41:00	0.006159
723W	01/01/2000 00:42:00	0.008479
723W	01/01/2000 00:43:00	0.011246
723W	01/01/2000 00:44:00	0.013301
723W	01/01/2000 00:45:00	0.014801
723W	01/01/2000 00:46:00	0.0159
723W	01/01/2000 00:47:00	0.01675
723W	01/01/2000 00:48:00	0.017245
723W	01/01/2000 00:49:00	0.017666
723W	01/01/2000 00:50:00	0.018132
723W	01/01/2000 00:51:00	0.021156
723W	01/01/2000 00:52:00	0.023097
723W	01/01/2000 00:53:00	0.023321
723W	01/01/2000 00:54:00	0.023634
723W	01/01/2000 00:55:00	0.024
723W	01/01/2000 00:56:00	0.024
723W	01/01/2000 00:57:00	0.024
723W	01/01/2000 00:58:00	0.024
723W	01/01/2000 00:59:00	0.024
723W	01/01/2000 01:00:00	0.024
723W	01/01/2000 01:01:00	0.024
723W	01/01/2000 01:02:00	0.024
723W	01/01/2000 01:03:00	0.024
723W	01/01/2000 01:04:00	0.024
723W	01/01/2000 01:05:00	0.024
723W	01/01/2000 01:06:00	0.024
723W	01/01/2000 01:07:00	0.024
723W	01/01/2000 01:08:00	0.024
723W	01/01/2000 01:09:00	0.024
723W	01/01/2000 01:10:00	0.024
723W	01/01/2000 01:11:00	0.024
723W	01/01/2000 01:12:00	0.024
723W	01/01/2000 01:13:00	0.024
723W	01/01/2000 01:14:00	0.024
723W	01/01/2000 01:15:00	0.024
723W	01/01/2000 01:16:00	0.024
723W	01/01/2000 01:17:00	0.024
723W	01/01/2000 01:18:00	0.024
723W	01/01/2000 01:19:00	0.024
723W	01/01/2000 01:20:00	0.024
723W	01/01/2000 01:21:00	0.024
723W	01/01/2000 01:22:00	0.024
723W	01/01/2000 01:23:00	0.024
723W	01/01/2000 01:24:00	0.024
723W	01/01/2000 01:25:00	0.024
723W	01/01/2000 01:26:00	0.024
723W	01/01/2000 01:27:00	0.024
723W	01/01/2000 01:28:00	0.024
723W	01/01/2000 01:29:00	0.024
723W	01/01/2000 01:30:00	0.024
723W	01/01/2000 01:31:00	0.024
723W	01/01/2000 01:32:00	0.024
723W	01/01/2000 01:33:00	0.024
723W	01/01/2000 01:34:00	0.024
723W	01/01/2000 01:35:00	0.024
723W	01/01/2000 01:36:00	0.024
723W	01/01/2000 01:37:00	0.024
723W	01/01/2000 01:38:00	0.023975
723W	01/01/2000 01:39:00	0.023874
723W	01/01/2000 01:40:00	0.023774
723W	01/01/2000 01:41:00	0.023673
723W	01/01/2000 01:42:00	0.023571
723W	01/01/2000 01:43:00	0.023468
723W	01/01/2000 01:44:00	0.023363
723W	01/01/2000 01:45:00	0.023258
723W	01/01/2000 01:46:00	0.023152
723W	01/01/2000 01:47:00	0.023046
723W	01/01/2000 01:48:00	0.018298
723W	01/01/2000 01:49:00	0.008146
723W	01/01/2000 01:50:00	0.00545
723W	01/01/2000 01:51:00	0.004945
723W	01/01/2000 01:52:00	0.004672
723W	01/01/2000 01:53:00	0.004412
723W	01/01/2000 01:54:00	0.004202
723W	01/01/2000 01:55:00	0.00404
723W	01/01/2000 01:56:00	0.003927
723W	01/01/2000 01:57:00	0.003849
723W	01/01/2000 01:58:00	0.003795
723W	01/01/2000 01:59:00	0.003757
723W	01/01/2000 02:00:00	0.003731
723W	01/01/2000 02:01:00	0.003669
723W	01/01/2000 02:02:00	0.003521
723W	01/01/2000 02:03:00	0.003344
723W	01/01/2000 02:04:00	0.003196
723W	01/01/2000 02:05:00	0.00308
723W	01/01/2000 02:06:00	0.002999
723W	01/01/2000 02:07:00	0.002943
723W	01/01/2000 02:08:00	0.002904
723W	01/01/2000 02:09:00	0.002876
723W	01/01/2000 02:10:00	0.002857
723W	01/01/2000 02:11:00	0.002816
723W	01/01/2000 02:12:00	0.00272
723W	01/01/2000 02:13:00	0.002614
723W	01/01/2000 02:14:00	0.002542
723W	01/01/2000 02:15:00	0.002495
723W	01/01/2000 02:16:00	0.002466
723W	01/01/2000 02:17:00	0.002447
723W	01/01/2000 02:18:00	0.002436
723W	01/01/2000 02:19:00	0.002428
723W	01/01/2000 02:20:00	0.002423
723W	01/01/2000 02:21:00	0.002399
723W	01/01/2000 02:22:00	0.002334
723W	01/01/2000 02:23:00	0.002261
723W	01/01/2000 02:24:00	0.002216
723W	01/01/2000 02:25:00	0.002191
723W	01/01/2000 02:26:00	0.002177
723W	01/01/2000 02:27:00	0.002169
723W	01/01/2000 02:28:00	0.002165
723W	01/01/2000 02:29:00	0.002163
723W	01/01/2000 02:30:00	0.002162
723W	01/01/2000 02:31:00	0.002145
723W	01/01/2000 02:32:00	0.002094
723W	01/01/2000 02:33:00	0.002037
723W	01/01/2000 02:34:00	0.002002
723W	01/01/2000 02:35:00	0.001983
723W	01/01/2000 02:36:00	0.001972
723W	01/01/2000 02:37:00	0.001966
723W	01/01/2000 02:38:00	0.001963
723W	01/01/2000 02:39:00	0.001962
723W	01/01/2000 02:40:00	0.001961
723W	01/01/2000 02:41:00	0.001947
723W	01/01/2000 02:42:00	0.001906
723W	01/01/2000 02:43:00	0.00186
723W	01/01/2000 02:44:00	0.001831
723W	01/01/2000 02:45:00	0.001815
723W	01/01/2000 02:46:00	0.001807
723W	01/01/2000 02:47:00	0.001802
723W	01/01/2000 02:48:00	0.001799
723W	01/01/2000 02:49:00	0.001798
723W	01/01/2000 02:50:00	0.001797
723W	01/01/2000 02:51:00	0.001786
723W	01/01/2000 02:52:00	0.001752
723W	01/01/2000 02:53:00	0.001713
723W	01/01/2000 02:54:00	0.001689
723W	01/01/2000 02:55:00	0.001676
723W	01/01/2000 02:56:00	0.001669
723W	01/01/2000 02:57:00	0.001665
723W	01/01/2000 02:58:00	0.001663
723W	01/01/2000 02:59:00	0.001662
723W	01/01/2000 03:00:00	0.001661
723W	01/01/2000 03:01:00	0.001528
723W	01/01/2000 03:02:00	0.001111
723W	01/01/2000 03:03:00	0.00064
723W	01/01/2000 03:04:00	0.000349
723W	01/01/2000 03:05:00	0.000187
723W	01/01/2000 03:06:00	0.0001
723W	01/01/2000 03:07:00	5.4E-05
723W	01/01/2000 03:08:00	2.9E-05
723W	01/01/2000 03:09:00	1.5E-05
723W	01/01/2000 03:10:00	0
723W	01/01/2000 03:11:00	0
723W	01/01/2000 03:12:00	0
723W	01/01/2000 03:13:00	0
723W	01/01/2000 03:14:00	0
723W	01/01/2000 03:15:00	0
723W	01/01/2000 03:16:00	0
723W	01/01/2000 03:17:00	0
723W	01/01/2000 03:18:00	0
723W	01/01/2000 03:19:00	0
723W	01/01/2000 03:20:00	0
723W	01/01/2000 03:21:00	0
723W	01/01/2000 03:22:00	0
723W	01/01/2000 03:23:00	0
723W	01/01/2000 03:24:00	0
723W	01/01/2000 03:25:00	0
723W	01/01/2000 03:26:00	0
723W	01/01/2000 03:27:00	0
723W	01/01/2000 03:28:00	0
723W	01/01/2000 03:29:00	0
723W	01/01/2000 03:30:00	0
723W	01/01/2000 03:31:00	0
723W	01/01/2000 03:32:00	0
723W	01/01/2000 03:33:00	0
723W	01/01/2000 03:34:00	0
723W	01/01/2000 03:35:00	0
723W	01/01/2000 03:36:00	0
723W	01/01/2000 03:37:00	0
723W	01/01/2000 03:38:00	0
723W	01/01/2000 03:39:00	0
723W	01/01/2000 03:40:00	0
723W	01/01/2000 03:41:00	0
723W	01/01/2000 03:42:00	0
723W	01/01/2000 03:43:00	0
723W	01/01/2000 03:44:00	0

723W	01/01/2000 03:45:00	0
723W	01/01/2000 03:46:00	0
723W	01/01/2000 03:47:00	0
723W	01/01/2000 03:48:00	0
723W	01/01/2000 03:49:00	0
723W	01/01/2000 03:50:00	0
723W	01/01/2000 03:51:00	0
723W	01/01/2000 03:52:00	0
723W	01/01/2000 03:53:00	0
723W	01/01/2000 03:54:00	0
723W	01/01/2000 03:55:00	0
723W	01/01/2000 03:56:00	0
723W	01/01/2000 03:57:00	0
723W	01/01/2000 03:58:00	0
723W	01/01/2000 03:59:00	0
723W	01/01/2000 04:00:00	0
723W	01/01/2000 04:01:00	0
723W	01/01/2000 04:02:00	0
723W	01/01/2000 04:03:00	0
723W	01/01/2000 04:04:00	0
723W	01/01/2000 04:05:00	0
723W	01/01/2000 04:06:00	0
723W	01/01/2000 04:07:00	0
723W	01/01/2000 04:08:00	0
723W	01/01/2000 04:09:00	0
723W	01/01/2000 04:10:00	0
723W	01/01/2000 04:11:00	0
723W	01/01/2000 04:12:00	0
723W	01/01/2000 04:13:00	0
723W	01/01/2000 04:14:00	0
723W	01/01/2000 04:15:00	0
723W	01/01/2000 04:16:00	0

;Flow (m³/s)

724	01/01/2000 00:00:00	0
724	01/01/2000 00:01:00	0
724	01/01/2000 00:02:00	0
724	01/01/2000 00:03:00	0
724	01/01/2000 00:04:00	0
724	01/01/2000 00:05:00	0
724	01/01/2000 00:06:00	0
724	01/01/2000 00:07:00	0
724	01/01/2000 00:08:00	0
724	01/01/2000 00:09:00	0
724	01/01/2000 00:10:00	0
724	01/01/2000 00:11:00	0
724	01/01/2000 00:12:00	0
724	01/01/2000 00:13:00	0
724	01/01/2000 00:14:00	0
724	01/01/2000 00:15:00	0.000309
724	01/01/2000 00:16:00	0.000699
724	01/01/2000 00:17:00	0.000842
724	01/01/2000 00:18:00	0.000894
724	01/01/2000 00:19:00	0.000913
724	01/01/2000 00:20:00	0.00092
724	01/01/2000 00:21:00	0.001126
724	01/01/2000 00:22:00	0.001201
724	01/01/2000 00:23:00	0.001229
724	01/01/2000 00:24:00	0.001239
724	01/01/2000 00:25:00	0.001242
724	01/01/2000 00:26:00	0.001244
724	01/01/2000 00:27:00	0.001244
724	01/01/2000 00:28:00	0.001244
724	01/01/2000 00:29:00	0.001244
724	01/01/2000 00:30:00	0.001244
724	01/01/2000 00:31:00	0.001696
724	01/01/2000 00:32:00	0.001861
724	01/01/2000 00:33:00	0.001922
724	01/01/2000 00:34:00	0.001944
724	01/01/2000 00:35:00	0.001952
724	01/01/2000 00:36:00	0.001955
724	01/01/2000 00:37:00	0.001956
724	01/01/2000 00:38:00	0.001956
724	01/01/2000 00:39:00	0.001956
724	01/01/2000 00:40:00	0.001956
724	01/01/2000 00:41:00	0.003925
724	01/01/2000 00:42:00	0.004731
724	01/01/2000 00:43:00	0.005158
724	01/01/2000 00:44:00	0.005495
724	01/01/2000 00:45:00	0.00576
724	01/01/2000 00:46:00	0.00599
724	01/01/2000 00:47:00	0.006199
724	01/01/2000 00:48:00	0.006394
724	01/01/2000 00:49:00	0.006576
724	01/01/2000 00:50:00	0.006746
724	01/01/2000 00:51:00	0.018366
724	01/01/2000 00:52:00	0.023905
724	01/01/2000 00:53:00	0.027684
724	01/01/2000 00:54:00	0.031284
724	01/01/2000 00:55:00	0.033884
724	01/01/2000 00:56:00	0.035843
724	01/01/2000 00:57:00	0.037353
724	01/01/2000 00:58:00	0.038532
724	01/01/2000 00:59:00	0.039459
724	01/01/2000 01:00:00	0.04
724	01/01/2000 01:01:00	0.030427
724	01/01/2000 01:02:00	0.026025
724	01/01/2000 01:03:00	0.023111
724	01/01/2000 01:04:00	0.02028
724	01/01/2000 01:05:00	0.018287
724	01/01/2000 01:06:00	0.01682
724	01/01/2000 01:07:00	0.015716
724	01/01/2000 01:08:00	0.014877
724	01/01/2000 01:09:00	0.014238
724	01/01/2000 01:10:00	0.01375
724	01/01/2000 01:11:00	0.011157
724	01/01/2000 01:12:00	0.009831
724	01/01/2000 01:13:00	0.008913
724	01/01/2000 01:14:00	0.008081
724	01/01/2000 01:15:00	0.007482
724	01/01/2000 01:16:00	0.007038
724	01/01/2000 01:17:00	0.006703
724	01/01/2000 01:18:00	0.006449
724	01/01/2000 01:19:00	0.006257
724	01/01/2000 01:20:00	0.006111
724	01/01/2000 01:21:00	0.005248
724	01/01/2000 01:22:00	0.004811
724	01/01/2000 01:23:00	0.004511
724	01/01/2000 01:24:00	0.004239
724	01/01/2000 01:25:00	0.004044
724	01/01/2000 01:26:00	0.003901
724	01/01/2000 01:27:00	0.003794
724	01/01/2000 01:28:00	0.003713
724	01/01/2000 01:29:00	0.003653
724	01/01/2000 01:30:00	0.003608
724	01/01/2000 01:31:00	0.0032
724	01/01/2000 01:32:00	0.003
724	01/01/2000 01:33:00	0.002864
724	01/01/2000 01:34:00	0.002739
724	01/01/2000 01:35:00	0.00265
724	01/01/2000 01:36:00	0.002585
724	01/01/2000 01:37:00	0.002536
724	01/01/2000 01:38:00	0.0025
724	01/01/2000 01:39:00	0.002473
724	01/01/2000 01:40:00	0.002454
724	01/01/2000 01:41:00	0.002217
724	01/01/2000 01:42:00	0.002102
724	01/01/2000 01:43:00	0.002024
724	01/01/2000 01:44:00	0.001951
724	01/01/2000 01:45:00	0.0019
724	01/01/2000 01:46:00	0.001862
724	01/01/2000 01:47:00	0.001834
724	01/01/2000 01:48:00	0.001813
724	01/01/2000 01:49:00	0.001798
724	01/01/2000 01:50:00	0.001786
724	01/01/2000 01:51:00	0.00163
724	01/01/2000 01:52:00	0.001554
724	01/01/2000 01:53:00	0.001503
724	01/01/2000 01:54:00	0.001455
724	01/01/2000 01:55:00	0.001421
724	01/01/2000 01:56:00	0.001396
724	01/01/2000 01:57:00	0.001377
724	01/01/2000 01:58:00	0.001363
724	01/01/2000 01:59:00	0.001352
724	01/01/2000 02:00:00	0.001344
724	01/01/2000 02:01:00	0.001234
724	01/01/2000 02:02:00	0.00118
724	01/01/2000 02:03:00	0.001143
724	01/01/2000 02:04:00	0.001109
724	01/01/2000 02:05:00	0.001085
724	01/01/2000 02:06:00	0.001067
724	01/01/2000 02:07:00	0.001053
724	01/01/2000 02:08:00	0.001043
724	01/01/2000 02:09:00	0.001035
724	01/01/2000 02:10:00	0.001029
724	01/01/2000 02:11:00	0.00095
724	01/01/2000 02:12:00	0.000918
724	01/01/2000 02:13:00	0.000902
724	01/01/2000 02:14:00	0.000892
724	01/01/2000 02:15:00	0.000885
724	01/01/2000 02:16:00	0.000881
724	01/01/2000 02:17:00	0.000878
724	01/01/2000 02:18:00	0.000875
724	01/01/2000 02:19:00	0.000874
724	01/01/2000 02:20:00	0.000872
724	01/01/2000 02:21:00	0.000814
724	01/01/2000 02:22:00	0.000792
724	01/01/2000 02:23:00	0.000784
724	01/01/2000 02:24:00	0.000781
724	01/01/2000 02:25:00	0.000779
724	01/01/2000 02:26:00	0.000779
724	01/01/2000 02:27:00	0.000778
724	01/01/2000 02:28:00	0.000778
724	01/01/2000 02:29:00	0.000778
724	01/01/2000 02:30:00	0.000778
724	01/01/2000 02:31:00	0.000732
724	01/01/2000 02:32:00	0.000715
724	01/01/2000 02:33:00	0.000709
724	01/01/2000 02:34:00	0.000707
724	01/01/2000 02:35:00	0.000706
724	01/01/2000 02:36:00	0.000706
724	01/01/2000 02:37:00	0.000706
724	01/01/2000 02:38:00	0.000706
724	01/01/2000 02:39:00	0.000706
724	01/01/2000 02:40:00	0.000706
724	01/01/2000 02:41:00	0.000668
724	01/01/2000 02:42:00	0.000655
724	01/01/2000 02:43:00	0.00065
724	01/01/2000 02:44:00	0.000648
724	01/01/2000 02:45:00	0.000647
724	01/01/2000 02:46:00	0.000647
724	01/01/2000 02:47:00	0.000647
724	01/01/2000 02:48:00	0.000647
724	01/01/2000 02:49:00	0.000647
724	01/01/2000 02:50:00	0.000647
724	01/01/2000 02:51:00	0.000616
724	01/01/2000 02:52:00	0.000604
724	01/01/2000 02:53:00	0.0006
724	01/01/2000 02:54:00	0.000599
724	01/01/2000 02:55:00	0.000598
724	01/01/2000 02:56:00	0.000598
724	01/01/2000 02:57:00	0.000598
724	01/01/2000 02:58:00	0.000598
724	01/01/2000 02:59:00	0.000598
724	01/01/2000 03:00:00	0.000598
724	01/01/2000 03:01:00	0.000218
724	01/01/2000 03:02:00	8E-05
724	01/01/2000 03:03:00	2.9E-05
724	01/01/2000 03:04:00	1.1E-05
724	01/01/2000 03:05:00	0
724	01/01/2000 03:06:00	0
724	01/01/2000 03:07:00	0
724	01/01/2000 03:08:00	0
724	01/01/2000 03:09:00	0
724	01/01/2000 03:10:00	0
724	01/01/2000 03:11:00	0
724	01/01/2000 03:12:00	0
724	01/01/2000 03:13:00	0
724	01/01/2000 03:14:00	0
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724	01/01/2000 03:18:00	0
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724	01/01/2000 03:24:00	0
724	01/01/2000 03:25:00	0
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724	01/01/2000 03:27:00	0
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724	01/01/2000 03:31:00	0
724	01/01/2000 03:32:00	0
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724	01/01/2000 03:41:00	0
724	01/01/2000 03:42:00	0
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724	01/01/2000 03:46:00	0
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724	01/01/2000 03:56:00	0
724	01/01/2000 03:57:00	0
724	01/01/2000 03:58:00	0
724	01/01/2000 03:59:00	0
724	01/01/2000 04:00:00	0
724	01/01/2000 04:01:00	0
724	01/01/2000 04:02:00	0
724	01/01/2000 04:03:00	0
724	01/01/2000 04:04:00	0
724	01/01/2000 04:05:00	0
724	01/01/2000 04:06:00	0
724	01/01/2000 04:07:00	0
724	01/01/2000 04:08:00	0
724	01/01/2000 04:09:00	0
724	01/01/2000 04:10:00	0
724	01/01/2000 04:11:00	0
724	01/01/2000 04:12:00	0
724	01/01/2000 04:13:00	0
724	01/01/2000 04:14:00	0
724	01/01/2000 04:15:00	0
724	01/01/2000 04:16:00	0

;Flow (m³/s)

730	01/01/2000 00:00:00	0
730	01/01/2000 00:01:00	0
730	01/01/2000 00:02:00	0
730	01/01/2000 00:03:00	0
730	01/01/2000 00:04:00	0

730	01/01/2000 00:05:00	0
730	01/01/2000 00:06:00	0
730	01/01/2000 00:07:00	0
730	01/01/2000 00:08:00	0
730	01/01/2000 00:09:00	0
730	01/01/2000 00:10:00	0
730	01/01/2000 00:11:00	0
730	01/01/2000 00:12:00	0
730	01/01/2000 00:13:00	0
730	01/01/2000 00:14:00	0
730	01/01/2000 00:15:00	8.5E-05
730	01/01/2000 00:16:00	0.000434
730	01/01/2000 00:17:00	0.001006
730	01/01/2000 00:18:00	0.001525
730	01/01/2000 00:19:00	0.001867
730	01/01/2000 00:20:00	0.002073
730	01/01/2000 00:21:00	0.00225
730	01/01/2000 00:22:00	0.0025
730	01/01/2000 00:23:00	0.002756
730	01/01/2000 00:24:00	0.002929
730	01/01/2000 00:25:00	0.003033
730	01/01/2000 00:26:00	0.003095
730	01/01/2000 00:27:00	0.003131
730	01/01/2000 00:28:00	0.003152
730	01/01/2000 00:29:00	0.003164
730	01/01/2000 00:30:00	0.003171
730	01/01/2000 00:31:00	0.003299
730	01/01/2000 00:32:00	0.0037
730	01/01/2000 00:33:00	0.00418
730	01/01/2000 00:34:00	0.004511
730	01/01/2000 00:35:00	0.004714
730	01/01/2000 00:36:00	0.004834
730	01/01/2000 00:37:00	0.004903
730	01/01/2000 00:38:00	0.004944
730	01/01/2000 00:39:00	0.004967
730	01/01/2000 00:40:00	0.004981
730	01/01/2000 00:41:00	0.005595
730	01/01/2000 00:42:00	0.007565
730	01/01/2000 00:43:00	0.01011
730	01/01/2000 00:44:00	0.012161
730	01/01/2000 00:45:00	0.013656
730	01/01/2000 00:46:00	0.014756
730	01/01/2000 00:47:00	0.015354
730	01/01/2000 00:48:00	0.015869
730	01/01/2000 00:49:00	0.016395
730	01/01/2000 00:50:00	0.016897
730	01/01/2000 00:51:00	0.019809
730	01/01/2000 00:52:00	0.021
730	01/01/2000 00:53:00	0.021
730	01/01/2000 00:54:00	0.021
730	01/01/2000 00:55:00	0.021331
730	01/01/2000 00:56:00	0.022
730	01/01/2000 00:57:00	0.022
730	01/01/2000 00:58:00	0.022
730	01/01/2000 00:59:00	0.022
730	01/01/2000 01:00:00	0.022
730	01/01/2000 01:01:00	0.022
730	01/01/2000 01:02:00	0.022
730	01/01/2000 01:03:00	0.022
730	01/01/2000 01:04:00	0.022
730	01/01/2000 01:05:00	0.022
730	01/01/2000 01:06:00	0.022161
730	01/01/2000 01:07:00	0.022313
730	01/01/2000 01:08:00	0.022405
730	01/01/2000 01:09:00	0.022431
730	01/01/2000 01:10:00	0.022401
730	01/01/2000 01:11:00	0.022331
730	01/01/2000 01:12:00	0.022231
730	01/01/2000 01:13:00	0.022112
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730	01/01/2000 01:15:00	0.022
730	01/01/2000 01:16:00	0.022
730	01/01/2000 01:17:00	0.022
730	01/01/2000 01:18:00	0.022
730	01/01/2000 01:19:00	0.022
730	01/01/2000 01:20:00	0.022
730	01/01/2000 01:21:00	0.022
730	01/01/2000 01:22:00	0.022
730	01/01/2000 01:23:00	0.022
730	01/01/2000 01:24:00	0.022
730	01/01/2000 01:25:00	0.022
730	01/01/2000 01:26:00	0.022
730	01/01/2000 01:27:00	0.022
730	01/01/2000 01:28:00	0.022
730	01/01/2000 01:29:00	0.022
730	01/01/2000 01:30:00	0.022
730	01/01/2000 01:31:00	0.022
730	01/01/2000 01:32:00	0.022
730	01/01/2000 01:33:00	0.022
730	01/01/2000 01:34:00	0.022
730	01/01/2000 01:35:00	0.022
730	01/01/2000 01:36:00	0.022
730	01/01/2000 01:37:00	0.022
730	01/01/2000 01:38:00	0.022
730	01/01/2000 01:39:00	0.022
730	01/01/2000 01:40:00	0.022
730	01/01/2000 01:41:00	0.022
730	01/01/2000 01:42:00	0.022
730	01/01/2000 01:43:00	0.022
730	01/01/2000 01:44:00	0.021917
730	01/01/2000 01:45:00	0.021771
730	01/01/2000 01:46:00	0.021626
730	01/01/2000 01:47:00	0.021481
730	01/01/2000 01:48:00	0.021337
730	01/01/2000 01:49:00	0.021194
730	01/01/2000 01:50:00	0.021051
730	01/01/2000 01:51:00	0.021
730	01/01/2000 01:52:00	0.021
730	01/01/2000 01:53:00	0.021
730	01/01/2000 01:54:00	0.021
730	01/01/2000 01:55:00	0.021
730	01/01/2000 01:56:00	0.021
730	01/01/2000 01:57:00	0.021
730	01/01/2000 01:58:00	0.021
730	01/01/2000 01:59:00	0.021
730	01/01/2000 02:00:00	0.020262
730	01/01/2000 02:01:00	0.010688
730	01/01/2000 02:02:00	0.004827
730	01/01/2000 02:03:00	0.003408
730	01/01/2000 02:04:00	0.00299
730	01/01/2000 02:05:00	0.002827
730	01/01/2000 02:06:00	0.002742
730	01/01/2000 02:07:00	0.002691
730	01/01/2000 02:08:00	0.002657
730	01/01/2000 02:09:00	0.002634
730	01/01/2000 02:10:00	0.002618
730	01/01/2000 02:11:00	0.002585
730	01/01/2000 02:12:00	0.002507
730	01/01/2000 02:13:00	0.002414
730	01/01/2000 02:14:00	0.002344
730	01/01/2000 02:15:00	0.002299
730	01/01/2000 02:16:00	0.00227
730	01/01/2000 02:17:00	0.002252
730	01/01/2000 02:18:00	0.00224
730	01/01/2000 02:19:00	0.002233
730	01/01/2000 02:20:00	0.002228
730	01/01/2000 02:21:00	0.002208
730	01/01/2000 02:22:00	0.002156
730	01/01/2000 02:23:00	0.002094
730	01/01/2000 02:24:00	0.002051
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730	01/01/2000 02:26:00	0.002009
730	01/01/2000 02:27:00	0.002
730	01/01/2000 02:28:00	0.001995
730	01/01/2000 02:29:00	0.001992
730	01/01/2000 02:30:00	0.00199
730	01/01/2000 02:31:00	0.001976
730	01/01/2000 02:32:00	0.001935
730	01/01/2000 02:33:00	0.001886
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730	01/01/2000 02:36:00	0.00182
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730	01/01/2000 02:39:00	0.001806
730	01/01/2000 02:40:00	0.001805
730	01/01/2000 02:41:00	0.001794
730	01/01/2000 02:42:00	0.001761
730	01/01/2000 02:43:00	0.001721
730	01/01/2000 02:44:00	0.001693
730	01/01/2000 02:45:00	0.001677
730	01/01/2000 02:46:00	0.001667
730	01/01/2000 02:47:00	0.001661
730	01/01/2000 02:48:00	0.001657
730	01/01/2000 02:49:00	0.001656
730	01/01/2000 02:50:00	0.001654
730	01/01/2000 02:51:00	0.001645
730	01/01/2000 02:52:00	0.001617
730	01/01/2000 02:53:00	0.001584
730	01/01/2000 02:54:00	0.001561
730	01/01/2000 02:55:00	0.001547
730	01/01/2000 02:56:00	0.001539
730	01/01/2000 02:57:00	0.001534
730	01/01/2000 02:58:00	0.001531
730	01/01/2000 02:59:00	0.00153
730	01/01/2000 03:00:00	0.001529
730	01/01/2000 03:01:00	0.001424
730	01/01/2000 03:02:00	0.001089
730	01/01/2000 03:03:00	0.000687
730	01/01/2000 03:04:00	0.000409
730	01/01/2000 03:05:00	0.000239
730	01/01/2000 03:06:00	0.000139
730	01/01/2000 03:07:00	8E-05
730	01/01/2000 03:08:00	4.6E-05
730	01/01/2000 03:09:00	2.7E-05
730	01/01/2000 03:10:00	1.6E-05
730	01/01/2000 03:11:00	0
730	01/01/2000 03:12:00	0
730	01/01/2000 03:13:00	0
730	01/01/2000 03:14:00	0
730	01/01/2000 03:15:00	0
730	01/01/2000 03:16:00	0
730	01/01/2000 03:17:00	0
730	01/01/2000 03:18:00	0
730	01/01/2000 03:19:00	0
730	01/01/2000 03:20:00	0
730	01/01/2000 03:21:00	0
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730	01/01/2000 03:25:00	0
730	01/01/2000 03:26:00	0
730	01/01/2000 03:27:00	0
730	01/01/2000 03:28:00	0
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730	01/01/2000 03:35:00	0
730	01/01/2000 03:36:00	0
730	01/01/2000 03:37:00	0
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730	01/01/2000 03:40:00	0
730	01/01/2000 03:41:00	0
730	01/01/2000 03:42:00	0
730	01/01/2000 03:43:00	0
730	01/01/2000 03:44:00	0
730	01/01/2000 03:45:00	0
730	01/01/2000 03:46:00	0
730	01/01/2000 03:47:00	0
730	01/01/2000 03:48:00	0
730	01/01/2000 03:49:00	0
730	01/01/2000 03:50:00	0
730	01/01/2000 03:51:00	0
730	01/01/2000 03:52:00	0
730	01/01/2000 03:53:00	0
730	01/01/2000 03:54:00	0
730	01/01/2000 03:55:00	0
730	01/01/2000 03:56:00	0
730	01/01/2000 03:57:00	0
730	01/01/2000 03:58:00	0
730	01/01/2000 03:59:00	0
730	01/01/2000 04:00:00	0
730	01/01/2000 04:01:00	0
730	01/01/2000 04:02:00	0
730	01/01/2000 04:03:00	0
730	01/01/2000 04:04:00	0
730	01/01/2000 04:05:00	0
730	01/01/2000 04:06:00	0
730	01/01/2000 04:07:00	0
730	01/01/2000 04:08:00	0
730	01/01/2000 04:09:00	0
730	01/01/2000 04:10:00	0
730	01/01/2000 04:11:00	0
730	01/01/2000 04:12:00	0
730	01/01/2000 04:13:00	0
730	01/01/2000 04:14:00	0
730	01/01/2000 04:15:00	0
730	01/01/2000 04:16:00	0

;Flow (m³/s)

731	01/01/2000 00:00:00	0
731	01/01/2000 00:01:00	0
731	01/01/2000 00:02:00	0
731	01/01/2000 00:03:00	0
731	01/01/2000 00:04:00	0
731	01/01/2000 00:05:00	0
731	01/01/2000 00:06:00	0
731	01/01/2000 00:07:00	0
731	01/01/2000 00:08:00	0
731	01/01/2000 00:09:00	0
731	01/01/2000 00:10:00	0
731	01/01/2000 00:11:00	0
731	01/01/2000 00:12:00	0
731	01/01/2000 00:13:00	0
731	01/01/2000 00:14:00	0
731	01/01/2000 00:15:00	0.000148
731	01/01/2000 00:16:00	0.000721
731	01/01/2000 00:17:00	0.001598
731	01/01/2000 00:18:00	0.002335
731	01/01/2000 00:19:00	0.002801
731	01/01/2000 00:20:00	0.003096
731	01/01/2000 00:21:00	0.003379
731	01/01/2000 00:22:00	0.003786
731	01/01/2000 00:23:00	0.004177
731	01/01/2000 00:24:00	0.004424
731	01/01/2000 00:25:00	0.00458
731	01/01/2000 00:26:00	0.004679
731	01/01/2000 00:27:00	0.004741
731	01/01/2000 00:28:00	0.00478
731	01/01/2000 00:29:00	0.004805
731	01/01/2000 00:30:00	0.004821
731	01/01/2000 00:31:00	0.005047
731	01/01/2000 00:32:00	0.005698
731	01/01/2000 00:33:00	0.006405
731	01/01/2000 00:34:00	0.006853
731	01/01/2000 00:35:00	0.007136
731	01/01/2000 00:36:00	0.007314
731	01/01/2000 00:37:00	0.007427
731	01/01/2000 00:38:00	0.007498
731	01/01/2000 00:39:00	0.007543
731	01/01/2000 00:40:00	0.007571
731	01/01/2000 00:41:00	0.008754
731	01/01/2000 00:42:00	0.012063
731	01/01/2000 00:43:00	0.01596

731	01/01/2000 00:44:00	0.019133
731	01/01/2000 00:45:00	0.022004
731	01/01/2000 00:46:00	0.024857
731	01/01/2000 00:47:00	0.027403
731	01/01/2000 00:48:00	0.029674
731	01/01/2000 00:49:00	0.031735
731	01/01/2000 00:50:00	0.033335
731	01/01/2000 00:51:00	0.04055
731	01/01/2000 00:52:00	0.049696
731	01/01/2000 00:53:00	0.051
731	01/01/2000 00:54:00	0.051
731	01/01/2000 00:55:00	0.051564
731	01/01/2000 00:56:00	0.052
731	01/01/2000 00:57:00	0.052
731	01/01/2000 00:58:00	0.052
731	01/01/2000 00:59:00	0.052361
731	01/01/2000 01:00:00	0.053
731	01/01/2000 01:01:00	0.053
731	01/01/2000 01:02:00	0.053
731	01/01/2000 01:03:00	0.053
731	01/01/2000 01:04:00	0.053
731	01/01/2000 01:05:00	0.053
731	01/01/2000 01:06:00	0.053
731	01/01/2000 01:07:00	0.053
731	01/01/2000 01:08:00	0.053079
731	01/01/2000 01:09:00	0.053173
731	01/01/2000 01:10:00	0.053212
731	01/01/2000 01:11:00	0.0532
731	01/01/2000 01:12:00	0.053144
731	01/01/2000 01:13:00	0.053055
731	01/01/2000 01:14:00	0.053
731	01/01/2000 01:15:00	0.053
731	01/01/2000 01:16:00	0.053
731	01/01/2000 01:17:00	0.053
731	01/01/2000 01:18:00	0.053
731	01/01/2000 01:19:00	0.053
731	01/01/2000 01:20:00	0.053
731	01/01/2000 01:21:00	0.053
731	01/01/2000 01:22:00	0.053
731	01/01/2000 01:23:00	0.053
731	01/01/2000 01:24:00	0.051864
731	01/01/2000 01:25:00	0.050499
731	01/01/2000 01:26:00	0.04913
731	01/01/2000 01:27:00	0.047981
731	01/01/2000 01:28:00	0.047017
731	01/01/2000 01:29:00	0.04621
731	01/01/2000 01:30:00	0.045405
731	01/01/2000 01:31:00	0.044518
731	01/01/2000 01:32:00	0.043675
731	01/01/2000 01:33:00	0.042861
731	01/01/2000 01:34:00	0.042147
731	01/01/2000 01:35:00	0.041561
731	01/01/2000 01:36:00	0.040959
731	01/01/2000 01:37:00	0.040454
731	01/01/2000 01:38:00	0.040031
731	01/01/2000 01:39:00	0.039677
731	01/01/2000 01:40:00	0.039381
731	01/01/2000 01:41:00	0.039096
731	01/01/2000 01:42:00	0.038815
731	01/01/2000 01:43:00	0.038532
731	01/01/2000 01:44:00	0.03824
731	01/01/2000 01:45:00	0.037936
731	01/01/2000 01:46:00	0.037608
731	01/01/2000 01:47:00	0.037117
731	01/01/2000 01:48:00	0.036671
731	01/01/2000 01:49:00	0.036262
731	01/01/2000 01:50:00	0.035885
731	01/01/2000 01:51:00	0.035613
731	01/01/2000 01:52:00	0.035453
731	01/01/2000 01:53:00	0.035287
731	01/01/2000 01:54:00	0.035111
731	01/01/2000 01:55:00	0.028429
731	01/01/2000 01:56:00	0.01034
731	01/01/2000 01:57:00	0.008386
731	01/01/2000 01:58:00	0.008109
731	01/01/2000 01:59:00	0.00789
731	01/01/2000 02:00:00	0.00771
731	01/01/2000 02:01:00	0.007491
731	01/01/2000 02:02:00	0.007175
731	01/01/2000 02:03:00	0.006839
731	01/01/2000 02:04:00	0.006547
731	01/01/2000 02:05:00	0.006275
731	01/01/2000 02:06:00	0.00601
731	01/01/2000 02:07:00	0.005785
731	01/01/2000 02:08:00	0.005601
731	01/01/2000 02:09:00	0.005449
731	01/01/2000 02:10:00	0.005324
731	01/01/2000 02:11:00	0.00517
731	01/01/2000 02:12:00	0.00495
731	01/01/2000 02:13:00	0.004719
731	01/01/2000 02:14:00	0.004527
731	01/01/2000 02:15:00	0.004357
731	01/01/2000 02:16:00	0.004197
731	01/01/2000 02:17:00	0.004066
731	01/01/2000 02:18:00	0.00396
731	01/01/2000 02:19:00	0.003873
731	01/01/2000 02:20:00	0.003801
731	01/01/2000 02:21:00	0.003713
731	01/01/2000 02:22:00	0.003581
731	01/01/2000 02:23:00	0.003448
731	01/01/2000 02:24:00	0.003353
731	01/01/2000 02:25:00	0.003283
731	01/01/2000 02:26:00	0.003231
731	01/01/2000 02:27:00	0.003191
731	01/01/2000 02:28:00	0.003161
731	01/01/2000 02:29:00	0.003137
731	01/01/2000 02:30:00	0.003118
731	01/01/2000 02:31:00	0.003081
731	01/01/2000 02:32:00	0.003003
731	01/01/2000 02:33:00	0.002922
731	01/01/2000 02:34:00	0.002869
731	01/01/2000 02:35:00	0.002833
731	01/01/2000 02:36:00	0.002809
731	01/01/2000 02:37:00	0.002793
731	01/01/2000 02:38:00	0.002782
731	01/01/2000 02:39:00	0.002774
731	01/01/2000 02:40:00	0.002768
731	01/01/2000 02:41:00	0.002746
731	01/01/2000 02:42:00	0.00269
731	01/01/2000 02:43:00	0.002629
731	01/01/2000 02:44:00	0.002591
731	01/01/2000 02:45:00	0.002566
731	01/01/2000 02:46:00	0.00255
731	01/01/2000 02:47:00	0.00254
731	01/01/2000 02:48:00	0.002533
731	01/01/2000 02:49:00	0.002529
731	01/01/2000 02:50:00	0.002526
731	01/01/2000 02:51:00	0.002509
731	01/01/2000 02:52:00	0.002463
731	01/01/2000 02:53:00	0.002414
731	01/01/2000 02:54:00	0.002383
731	01/01/2000 02:55:00	0.002363
731	01/01/2000 02:56:00	0.00235
731	01/01/2000 02:57:00	0.002342
731	01/01/2000 02:58:00	0.002337
731	01/01/2000 02:59:00	0.002334
731	01/01/2000 03:00:00	0.002332
731	01/01/2000 03:01:00	0.002149
731	01/01/2000 03:02:00	0.001607
731	01/01/2000 03:03:00	0.001016
731	01/01/2000 03:04:00	0.000641
731	01/01/2000 03:05:00	0.000404
731	01/01/2000 03:06:00	0.000255
731	01/01/2000 03:07:00	0.000161
731	01/01/2000 03:08:00	0.000102
731	01/01/2000 03:09:00	6.4E-05
731	01/01/2000 03:10:00	4E-05
731	01/01/2000 03:11:00	2.6E-05
731	01/01/2000 03:12:00	1.6E-05
731	01/01/2000 03:13:00	1E-05
731	01/01/2000 03:14:00	0
731	01/01/2000 03:15:00	0
731	01/01/2000 03:16:00	0
731	01/01/2000 03:17:00	0
731	01/01/2000 03:18:00	0
731	01/01/2000 03:19:00	0
731	01/01/2000 03:20:00	0
731	01/01/2000 03:21:00	0
731	01/01/2000 03:22:00	0
731	01/01/2000 03:23:00	0
731	01/01/2000 03:24:00	0
731	01/01/2000 03:25:00	0
731	01/01/2000 03:26:00	0
731	01/01/2000 03:27:00	0
731	01/01/2000 03:28:00	0
731	01/01/2000 03:29:00	0
731	01/01/2000 03:30:00	0
731	01/01/2000 03:31:00	0
731	01/01/2000 03:32:00	0
731	01/01/2000 03:33:00	0
731	01/01/2000 03:34:00	0
731	01/01/2000 03:35:00	0
731	01/01/2000 03:36:00	0
731	01/01/2000 03:37:00	0
731	01/01/2000 03:38:00	0
731	01/01/2000 03:39:00	0
731	01/01/2000 03:40:00	0
731	01/01/2000 03:41:00	0
731	01/01/2000 03:42:00	0
731	01/01/2000 03:43:00	0
731	01/01/2000 03:44:00	0
731	01/01/2000 03:45:00	0
731	01/01/2000 03:46:00	0
731	01/01/2000 03:47:00	0
731	01/01/2000 03:48:00	0
731	01/01/2000 03:49:00	0
731	01/01/2000 03:50:00	0
731	01/01/2000 03:51:00	0
731	01/01/2000 03:52:00	0
731	01/01/2000 03:53:00	0
731	01/01/2000 03:54:00	0
731	01/01/2000 03:55:00	0
731	01/01/2000 03:56:00	0
731	01/01/2000 03:57:00	0
731	01/01/2000 03:58:00	0
731	01/01/2000 03:59:00	0
731	01/01/2000 04:00:00	0
731	01/01/2000 04:01:00	0
731	01/01/2000 04:02:00	0
731	01/01/2000 04:03:00	0
731	01/01/2000 04:04:00	0
731	01/01/2000 04:05:00	0
731	01/01/2000 04:06:00	0
731	01/01/2000 04:07:00	0
731	01/01/2000 04:08:00	0
731	01/01/2000 04:09:00	0
731	01/01/2000 04:10:00	0
731	01/01/2000 04:11:00	0
731	01/01/2000 04:12:00	0
731	01/01/2000 04:13:00	0
731	01/01/2000 04:14:00	0
731	01/01/2000 04:15:00	0
731	01/01/2000 04:16:00	0

;Flow (m³/s)

732	01/01/2000 00:00:00	0
732	01/01/2000 00:01:00	0
732	01/01/2000 00:02:00	0
732	01/01/2000 00:03:00	0
732	01/01/2000 00:04:00	0
732	01/01/2000 00:05:00	0
732	01/01/2000 00:06:00	0
732	01/01/2000 00:07:00	0
732	01/01/2000 00:08:00	0
732	01/01/2000 00:09:00	0
732	01/01/2000 00:10:00	0
732	01/01/2000 00:11:00	0
732	01/01/2000 00:12:00	0
732	01/01/2000 00:13:00	0
732	01/01/2000 00:14:00	0
732	01/01/2000 00:15:00	0.000186
732	01/01/2000 00:16:00	0.000815
732	01/01/2000 00:17:00	0.001613
732	01/01/2000 00:18:00	0.002168
732	01/01/2000 00:19:00	0.002517
732	01/01/2000 00:20:00	0.002752
732	01/01/2000 00:21:00	0.003025
732	01/01/2000 00:22:00	0.00343
732	01/01/2000 00:23:00	0.003747
732	01/01/2000 00:24:00	0.003929
732	01/01/2000 00:25:00	0.004061
732	01/01/2000 00:26:00	0.004141
732	01/01/2000 00:27:00	0.004196
732	01/01/2000 00:28:00	0.004231
732	01/01/2000 00:29:00	0.004254
732	01/01/2000 00:30:00	0.00427
732	01/01/2000 00:31:00	0.004552
732	01/01/2000 00:32:00	0.005233
732	01/01/2000 00:33:00	0.005798
732	01/01/2000 00:34:00	0.00611
732	01/01/2000 00:35:00	0.006344
732	01/01/2000 00:36:00	0.006482
732	01/01/2000 00:37:00	0.006579
732	01/01/2000 00:38:00	0.00664
732	01/01/2000 00:39:00	0.006681
732	01/01/2000 00:40:00	0.006707
732	01/01/2000 00:41:00	0.008572
732	01/01/2000 00:42:00	0.012971
732	01/01/2000 00:43:00	0.017752
732	01/01/2000 00:44:00	0.02242
732	01/01/2000 00:45:00	0.027036
732	01/01/2000 00:46:00	0.030864
732	01/01/2000 00:47:00	0.034223
732	01/01/2000 00:48:00	0.03715
732	01/01/2000 00:49:00	0.039762
732	01/01/2000 00:50:00	0.042102
732	01/01/2000 00:51:00	0.0579
732	01/01/2000 00:52:00	0.090339
732	01/01/2000 00:53:00	0.12616
732	01/01/2000 00:54:00	0.138183
732	01/01/2000 00:55:00	0.138667
732	01/01/2000 00:56:00	0.139293
732	01/01/2000 00:57:00	0.141
732	01/01/2000 00:58:00	0.141372
732	01/01/2000 00:59:00	0.142
732	01/01/2000 01:00:00	0.143
732	01/01/2000 01:01:00	0.143
732	01/01/2000 01:02:00	0.143
732	01/01/2000 01:03:00	0.143251
732	01/01/2000 01:04:00	0.144
732	01/01/2000 01:05:00	0.144
732	01/01/2000 01:06:00	0.144
732	01/01/2000 01:07:00	0.144218
732	01/01/2000 01:08:00	0.144436
732	01/01/2000 01:09:00	0.144187
732	01/01/2000 01:10:00	0.142735
732	01/01/2000 01:11:00	0.141122
732	01/01/2000 01:12:00	0.139261
732	01/01/2000 01:13:00	0.137088
732	01/01/2000 01:14:00	0.13456
732	01/01/2000 01:15:00	0.132544
732	01/01/2000 01:16:00	0.130931
732	01/01/2000 01:17:00	0.129633
732	01/01/2000 01:18:00	0.128644
732	01/01/2000 01:19:00	0.128009
732	01/01/2000 01:20:00	0.127527
732	01/01/2000 01:21:00	0.126461
732	01/01/2000 01:22:00	0.124688

732	01/01/2000 01:23:00	0.121658
732	01/01/2000 01:24:00	0.119369
732	01/01/2000 01:25:00	0.117427
732	01/01/2000 01:26:00	0.115902
732	01/01/2000 01:27:00	0.114706
732	01/01/2000 01:28:00	0.113772
732	01/01/2000 01:29:00	0.11282
732	01/01/2000 01:30:00	0.111583
732	01/01/2000 01:31:00	0.110858
732	01/01/2000 01:32:00	0.110034
732	01/01/2000 01:33:00	0.10893
732	01/01/2000 01:34:00	0.107705
732	01/01/2000 01:35:00	0.106623
732	01/01/2000 01:36:00	0.105636
732	01/01/2000 01:37:00	0.103817
732	01/01/2000 01:38:00	0.102845
732	01/01/2000 01:39:00	0.101874
732	01/01/2000 01:40:00	0.026743
732	01/01/2000 01:41:00	0.014589
732	01/01/2000 01:42:00	0.018439
732	01/01/2000 01:43:00	0.014785
732	01/01/2000 01:44:00	0.014749
732	01/01/2000 01:45:00	0.01305
732	01/01/2000 01:46:00	0.012601
732	01/01/2000 01:47:00	0.012032
732	01/01/2000 01:48:00	0.01175
732	01/01/2000 01:49:00	0.01146
732	01/01/2000 01:50:00	0.011277
732	01/01/2000 01:51:00	0.010944
732	01/01/2000 01:52:00	0.01043
732	01/01/2000 01:53:00	0.009874
732	01/01/2000 01:54:00	0.009317
732	01/01/2000 01:55:00	0.008804
732	01/01/2000 01:56:00	0.008424
732	01/01/2000 01:57:00	0.008127
732	01/01/2000 01:58:00	0.007902
732	01/01/2000 01:59:00	0.007728
732	01/01/2000 02:00:00	0.007596
732	01/01/2000 02:01:00	0.00737
732	01/01/2000 02:02:00	0.007005
732	01/01/2000 02:03:00	0.006613
732	01/01/2000 02:04:00	0.006218
732	01/01/2000 02:05:00	0.005853
732	01/01/2000 02:06:00	0.005581
732	01/01/2000 02:07:00	0.005369
732	01/01/2000 02:08:00	0.005208
732	01/01/2000 02:09:00	0.005083
732	01/01/2000 02:10:00	0.004986
732	01/01/2000 02:11:00	0.004829
732	01/01/2000 02:12:00	0.004582
732	01/01/2000 02:13:00	0.004327
732	01/01/2000 02:14:00	0.004081
732	01/01/2000 02:15:00	0.003852
732	01/01/2000 02:16:00	0.003681
732	01/01/2000 02:17:00	0.003547
732	01/01/2000 02:18:00	0.003444
732	01/01/2000 02:19:00	0.003365
732	01/01/2000 02:20:00	0.003303
732	01/01/2000 02:21:00	0.003218
732	01/01/2000 02:22:00	0.003089
732	01/01/2000 02:23:00	0.002981
732	01/01/2000 02:24:00	0.002909
732	01/01/2000 02:25:00	0.00285
732	01/01/2000 02:26:00	0.00281
732	01/01/2000 02:27:00	0.002779
732	01/01/2000 02:28:00	0.002757
732	01/01/2000 02:29:00	0.002739
732	01/01/2000 02:30:00	0.002727
732	01/01/2000 02:31:00	0.002682
732	01/01/2000 02:32:00	0.002608
732	01/01/2000 02:33:00	0.002547
732	01/01/2000 02:34:00	0.002503
732	01/01/2000 02:35:00	0.002478
732	01/01/2000 02:36:00	0.002463
732	01/01/2000 02:37:00	0.002452
732	01/01/2000 02:38:00	0.002446
732	01/01/2000 02:39:00	0.002441
732	01/01/2000 02:40:00	0.002438
732	01/01/2000 02:41:00	0.002414
732	01/01/2000 02:42:00	0.002357
732	01/01/2000 02:43:00	0.00231
732	01/01/2000 02:44:00	0.002284
732	01/01/2000 02:45:00	0.002264
732	01/01/2000 02:46:00	0.002253
732	01/01/2000 02:47:00	0.002244
732	01/01/2000 02:48:00	0.002239
732	01/01/2000 02:49:00	0.002236
732	01/01/2000 02:50:00	0.002234
732	01/01/2000 02:51:00	0.002214
732	01/01/2000 02:52:00	0.002166
732	01/01/2000 02:53:00	0.002127
732	01/01/2000 02:54:00	0.002105
732	01/01/2000 02:55:00	0.002089
732	01/01/2000 02:56:00	0.002079
732	01/01/2000 02:57:00	0.002072
732	01/01/2000 02:58:00	0.002068
732	01/01/2000 02:59:00	0.002065
732	01/01/2000 03:00:00	0.002064
732	01/01/2000 03:01:00	0.001837
732	01/01/2000 03:02:00	0.00127
732	01/01/2000 03:03:00	0.000799
732	01/01/2000 03:04:00	0.000539
732	01/01/2000 03:05:00	0.000345
732	01/01/2000 03:06:00	0.00023
732	01/01/2000 03:07:00	0.00149
732	01/01/2000 03:08:00	9.8E-05
732	01/01/2000 03:09:00	6.4E-05
732	01/01/2000 03:10:00	4.2E-05
732	01/01/2000 03:11:00	2.7E-05
732	01/01/2000 03:12:00	1.8E-05
732	01/01/2000 03:13:00	1.2E-05
732	01/01/2000 03:14:00	0
732	01/01/2000 03:15:00	0
732	01/01/2000 03:16:00	0
732	01/01/2000 03:17:00	0
732	01/01/2000 03:18:00	0
732	01/01/2000 03:19:00	0
732	01/01/2000 03:20:00	0
732	01/01/2000 03:21:00	0
732	01/01/2000 03:22:00	0
732	01/01/2000 03:23:00	0
732	01/01/2000 03:24:00	0
732	01/01/2000 03:25:00	0
732	01/01/2000 03:26:00	0
732	01/01/2000 03:27:00	0
732	01/01/2000 03:28:00	0
732	01/01/2000 03:29:00	0
732	01/01/2000 03:30:00	0
732	01/01/2000 03:31:00	0
732	01/01/2000 03:32:00	0
732	01/01/2000 03:33:00	0
732	01/01/2000 03:34:00	0
732	01/01/2000 03:35:00	0
732	01/01/2000 03:36:00	0
732	01/01/2000 03:37:00	0
732	01/01/2000 03:38:00	0
732	01/01/2000 03:39:00	0
732	01/01/2000 03:40:00	0
732	01/01/2000 03:41:00	0
732	01/01/2000 03:42:00	0
732	01/01/2000 03:43:00	0
732	01/01/2000 03:44:00	0
732	01/01/2000 03:45:00	0
732	01/01/2000 03:46:00	0
732	01/01/2000 03:47:00	0
732	01/01/2000 03:48:00	0
732	01/01/2000 03:49:00	0
732	01/01/2000 03:50:00	0
732	01/01/2000 03:51:00	0
732	01/01/2000 03:52:00	0
732	01/01/2000 03:53:00	0
732	01/01/2000 03:54:00	0
732	01/01/2000 03:55:00	0
732	01/01/2000 03:56:00	0
732	01/01/2000 03:57:00	0
732	01/01/2000 03:58:00	0
732	01/01/2000 03:59:00	0
732	01/01/2000 04:00:00	0
732	01/01/2000 04:01:00	0
732	01/01/2000 04:02:00	0
732	01/01/2000 04:03:00	0
732	01/01/2000 04:04:00	0
732	01/01/2000 04:05:00	0
732	01/01/2000 04:06:00	0
732	01/01/2000 04:07:00	0
732	01/01/2000 04:08:00	0
732	01/01/2000 04:09:00	0
732	01/01/2000 04:10:00	0
732	01/01/2000 04:11:00	0
732	01/01/2000 04:12:00	0
732	01/01/2000 04:13:00	0
732	01/01/2000 04:14:00	0
732	01/01/2000 04:15:00	0
732	01/01/2000 04:16:00	0

;Flow (m³/s)

741	01/01/2000 00:00:00	0
741	01/01/2000 00:01:00	0
741	01/01/2000 00:02:00	0
741	01/01/2000 00:03:00	0
741	01/01/2000 00:04:00	0
741	01/01/2000 00:05:00	0
741	01/01/2000 00:06:00	0
741	01/01/2000 00:07:00	0
741	01/01/2000 00:08:00	0
741	01/01/2000 00:09:00	0
741	01/01/2000 00:10:00	0
741	01/01/2000 00:11:00	0
741	01/01/2000 00:12:00	0
741	01/01/2000 00:13:00	0
741	01/01/2000 00:14:00	0
741	01/01/2000 00:15:00	0.000168
741	01/01/2000 00:16:00	0.000833
741	01/01/2000 00:17:00	0.00185
741	01/01/2000 00:18:00	0.002677
741	01/01/2000 00:19:00	0.003161
741	01/01/2000 00:20:00	0.003436
741	01/01/2000 00:21:00	0.003703
741	01/01/2000 00:22:00	0.004131
741	01/01/2000 00:23:00	0.004547
741	01/01/2000 00:24:00	0.004792
741	01/01/2000 00:25:00	0.004932
741	01/01/2000 00:26:00	0.005012
741	01/01/2000 00:27:00	0.005057
741	01/01/2000 00:28:00	0.005083
741	01/01/2000 00:29:00	0.005097
741	01/01/2000 00:30:00	0.005105
741	01/01/2000 00:31:00	0.005356
741	01/01/2000 00:32:00	0.00611
741	01/01/2000 00:33:00	0.006923
741	01/01/2000 00:34:00	0.007406
741	01/01/2000 00:35:00	0.007681
741	01/01/2000 00:36:00	0.007837
741	01/01/2000 00:37:00	0.007926
741	01/01/2000 00:38:00	0.007976
741	01/01/2000 00:39:00	0.008005
741	01/01/2000 00:40:00	0.008021
741	01/01/2000 00:41:00	0.009177
741	01/01/2000 00:42:00	0.012701
741	01/01/2000 00:43:00	0.016744
741	01/01/2000 00:44:00	0.019682
741	01/01/2000 00:45:00	0.021526
741	01/01/2000 00:46:00	0.022704
741	01/01/2000 00:47:00	0.023924
741	01/01/2000 00:48:00	0.02504
741	01/01/2000 00:49:00	0.026027
741	01/01/2000 00:50:00	0.026901
741	01/01/2000 00:51:00	0.029
741	01/01/2000 00:52:00	0.029
741	01/01/2000 00:53:00	0.029172
741	01/01/2000 00:54:00	0.03
741	01/01/2000 00:55:00	0.03
741	01/01/2000 00:56:00	0.03
741	01/01/2000 00:57:00	0.030319
741	01/01/2000 00:58:00	0.031
741	01/01/2000 00:59:00	0.031
741	01/01/2000 01:00:00	0.031
741	01/01/2000 01:01:00	0.031
741	01/01/2000 01:02:00	0.031
741	01/01/2000 01:03:00	0.031
741	01/01/2000 01:04:00	0.030664
741	01/01/2000 01:05:00	0.030313
741	01/01/2000 01:06:00	0.030025
741	01/01/2000 01:07:00	0.03
741	01/01/2000 01:08:00	0.03
741	01/01/2000 01:09:00	0.03
741	01/01/2000 01:10:00	0.03
741	01/01/2000 01:11:00	0.03
741	01/01/2000 01:12:00	0.03
741	01/01/2000 01:13:00	0.03
741	01/01/2000 01:14:00	0.03
741	01/01/2000 01:15:00	0.03
741	01/01/2000 01:16:00	0.03
741	01/01/2000 01:17:00	0.03
741	01/01/2000 01:18:00	0.03
741	01/01/2000 01:19:00	0.03
741	01/01/2000 01:20:00	0.03
741	01/01/2000 01:21:00	0.03
741	01/01/2000 01:22:00	0.03
741	01/01/2000 01:23:00	0.03
741	01/01/2000 01:24:00	0.03
741	01/01/2000 01:25:00	0.03
741	01/01/2000 01:26:00	0.03
741	01/01/2000 01:27:00	0.03
741	01/01/2000 01:28:00	0.03
741	01/01/2000 01:29:00	0.03
741	01/01/2000 01:30:00	0.029893
741	01/01/2000 01:31:00	0.029722
741	01/01/2000 01:32:00	0.029543
741	01/01/2000 01:33:00	0.029355
741	01/01/2000 01:34:00	0.029161
741	01/01/2000 01:35:00	0.029
741	01/01/2000 01:36:00	0.029
741	01/01/2000 01:37:00	0.029
741	01/01/2000 01:38:00	0.029
741	01/01/2000 01:39:00	0.029
741	01/01/2000 01:40:00	0.018512
741	01/01/2000 01:41:00	0.010309
741	01/01/2000 01:42:00	0.009406
741	01/01/2000 01:43:00	0.008827
741	01/01/2000 01:44:00	0.008369
741	01/01/2000 01:45:00	0.008012
741	01/01/2000 01:46:00	0.007766
741	01/01/2000 01:47:00	0.007596
741	01/01/2000 01:48:00	0.007477
741	01/01/2000 01:49:00	0.007394
741	01/01/2000 01:50:00	0.007336
741	01/01/2000 01:51:00	0.007201
741	01/01/2000 01:52:00	0.006884
741	01/01/2000 01:53:00	0.006516
741	01/01/2000 01:54:00	0.006214
741	01/01/2000 01:55:00	0.005977
741	01/01/2000 01:56:00	0.005813
741	01/01/2000 01:57:00	0.005699
741	01/01/2000 01:58:00	0.00562
741	01/01/2000 01:59:00	0.005564
741	01/01/2000 02:00:00	0.005524
741	01/01/2000 02:01:00	0.005429

741	01/01/2000 02:02:00	0.005203
741	01/01/2000 02:03:00	0.004941
741	01/01/2000 02:04:00	0.004726
741	01/01/2000 02:05:00	0.004556
741	01/01/2000 02:06:00	0.004439
741	01/01/2000 02:07:00	0.004357
741	01/01/2000 02:08:00	0.004299
741	01/01/2000 02:09:00	0.004259
741	01/01/2000 02:10:00	0.004229
741	01/01/2000 02:11:00	0.004166
741	01/01/2000 02:12:00	0.004022
741	01/01/2000 02:13:00	0.003867
741	01/01/2000 02:14:00	0.003764
741	01/01/2000 02:15:00	0.003696
741	01/01/2000 02:16:00	0.003653
741	01/01/2000 02:17:00	0.003626
741	01/01/2000 02:18:00	0.003607
741	01/01/2000 02:19:00	0.003595
741	01/01/2000 02:20:00	0.003587
741	01/01/2000 02:21:00	0.00355
741	01/01/2000 02:22:00	0.003451
741	01/01/2000 02:23:00	0.003346
741	01/01/2000 02:24:00	0.003283
741	01/01/2000 02:25:00	0.003247
741	01/01/2000 02:26:00	0.003226
741	01/01/2000 02:27:00	0.003214
741	01/01/2000 02:28:00	0.003207
741	01/01/2000 02:29:00	0.003203
741	01/01/2000 02:30:00	0.0032
741	01/01/2000 02:31:00	0.003174
741	01/01/2000 02:32:00	0.003097
741	01/01/2000 02:33:00	0.003015
741	01/01/2000 02:34:00	0.002966
741	01/01/2000 02:35:00	0.002938
741	01/01/2000 02:36:00	0.002922
741	01/01/2000 02:37:00	0.002913
741	01/01/2000 02:38:00	0.002908
741	01/01/2000 02:39:00	0.002905
741	01/01/2000 02:40:00	0.002903
741	01/01/2000 02:41:00	0.002882
741	01/01/2000 02:42:00	0.002819
741	01/01/2000 02:43:00	0.002752
741	01/01/2000 02:44:00	0.002712
741	01/01/2000 02:45:00	0.002689
741	01/01/2000 02:46:00	0.002676
741	01/01/2000 02:47:00	0.002669
741	01/01/2000 02:48:00	0.002665
741	01/01/2000 02:49:00	0.002662
741	01/01/2000 02:50:00	0.002661
741	01/01/2000 02:51:00	0.002643
741	01/01/2000 02:52:00	0.002591
741	01/01/2000 02:53:00	0.002535
741	01/01/2000 02:54:00	0.002501
741	01/01/2000 02:55:00	0.002482
741	01/01/2000 02:56:00	0.002471
741	01/01/2000 02:57:00	0.002465
741	01/01/2000 02:58:00	0.002462
741	01/01/2000 02:59:00	0.00246
741	01/01/2000 03:00:00	0.002459
741	01/01/2000 03:01:00	0.002251
741	01/01/2000 03:02:00	0.001562
741	01/01/2000 03:03:00	0.000938
741	01/01/2000 03:04:00	0.000534
741	01/01/2000 03:05:00	0.000303
741	01/01/2000 03:06:00	0.000172
741	01/01/2000 03:07:00	9.8E-05
741	01/01/2000 03:08:00	5.6E-05
741	01/01/2000 03:09:00	3.2E-05
741	01/01/2000 03:10:00	1.8E-05
741	01/01/2000 03:11:00	1E-05
741	01/01/2000 03:12:00	0
741	01/01/2000 03:13:00	0
741	01/01/2000 03:14:00	0
741	01/01/2000 03:15:00	0
741	01/01/2000 03:16:00	0
741	01/01/2000 03:17:00	0
741	01/01/2000 03:18:00	0
741	01/01/2000 03:19:00	0
741	01/01/2000 03:20:00	0
741	01/01/2000 03:21:00	0
741	01/01/2000 03:22:00	0
741	01/01/2000 03:23:00	0
741	01/01/2000 03:24:00	0
741	01/01/2000 03:25:00	0
741	01/01/2000 03:26:00	0
741	01/01/2000 03:27:00	0
741	01/01/2000 03:28:00	0
741	01/01/2000 03:29:00	0
741	01/01/2000 03:30:00	0
741	01/01/2000 03:31:00	0
741	01/01/2000 03:32:00	0
741	01/01/2000 03:33:00	0
741	01/01/2000 03:34:00	0
741	01/01/2000 03:35:00	0
741	01/01/2000 03:36:00	0
741	01/01/2000 03:37:00	0
741	01/01/2000 03:38:00	0
741	01/01/2000 03:39:00	0
741	01/01/2000 03:40:00	0
741	01/01/2000 03:41:00	0
741	01/01/2000 03:42:00	0
741	01/01/2000 03:43:00	0
741	01/01/2000 03:44:00	0
741	01/01/2000 03:45:00	0
741	01/01/2000 03:46:00	0
741	01/01/2000 03:47:00	0
741	01/01/2000 03:48:00	0
741	01/01/2000 03:49:00	0
741	01/01/2000 03:50:00	0
741	01/01/2000 03:51:00	0
741	01/01/2000 03:52:00	0
741	01/01/2000 03:53:00	0
741	01/01/2000 03:54:00	0
741	01/01/2000 03:55:00	0
741	01/01/2000 03:56:00	0
741	01/01/2000 03:57:00	0
741	01/01/2000 03:58:00	0
741	01/01/2000 03:59:00	0
741	01/01/2000 04:00:00	0
741	01/01/2000 04:01:00	0
741	01/01/2000 04:02:00	0
741	01/01/2000 04:03:00	0
741	01/01/2000 04:04:00	0
741	01/01/2000 04:05:00	0
741	01/01/2000 04:06:00	0
741	01/01/2000 04:07:00	0
741	01/01/2000 04:08:00	0
741	01/01/2000 04:09:00	0
741	01/01/2000 04:10:00	0
741	01/01/2000 04:11:00	0
741	01/01/2000 04:12:00	0
741	01/01/2000 04:13:00	0
741	01/01/2000 04:14:00	0
741	01/01/2000 04:15:00	0
741	01/01/2000 04:16:00	0

;Flow (m³/s)

742	01/01/2000 00:00:00	0
742	01/01/2000 00:01:00	0
742	01/01/2000 00:02:00	0
742	01/01/2000 00:03:00	0
742	01/01/2000 00:04:00	0
742	01/01/2000 00:05:00	0
742	01/01/2000 00:06:00	0
742	01/01/2000 00:07:00	0
742	01/01/2000 00:08:00	0
742	01/01/2000 00:09:00	0
742	01/01/2000 00:10:00	0
742	01/01/2000 00:11:00	0
742	01/01/2000 00:12:00	0
742	01/01/2000 00:13:00	0
742	01/01/2000 00:14:00	0
742	01/01/2000 00:15:00	0.000177
742	01/01/2000 00:16:00	0.000783
742	01/01/2000 00:17:00	0.001543
742	01/01/2000 00:18:00	0.00204
742	01/01/2000 00:19:00	0.002323
742	01/01/2000 00:20:00	0.002503
742	01/01/2000 00:21:00	0.002724
742	01/01/2000 00:22:00	0.003085
742	01/01/2000 00:23:00	0.003359
742	01/01/2000 00:24:00	0.003498
742	01/01/2000 00:25:00	0.003595
742	01/01/2000 00:26:00	0.003648
742	01/01/2000 00:27:00	0.003682
742	01/01/2000 00:28:00	0.003702
742	01/01/2000 00:29:00	0.003715
742	01/01/2000 00:30:00	0.003722
742	01/01/2000 00:31:00	0.003986
742	01/01/2000 00:32:00	0.004643
742	01/01/2000 00:33:00	0.005167
742	01/01/2000 00:34:00	0.005425
742	01/01/2000 00:35:00	0.005609
742	01/01/2000 00:36:00	0.005707
742	01/01/2000 00:37:00	0.005773
742	01/01/2000 00:38:00	0.00581
742	01/01/2000 00:39:00	0.005834
742	01/01/2000 00:40:00	0.005847
742	01/01/2000 00:41:00	0.007028
742	01/01/2000 00:42:00	0.01001
742	01/01/2000 00:43:00	0.012551
742	01/01/2000 00:44:00	0.014108
742	01/01/2000 00:45:00	0.015509
742	01/01/2000 00:46:00	0.016573
742	01/01/2000 00:47:00	0.017453
742	01/01/2000 00:48:00	0.018196
742	01/01/2000 00:49:00	0.018851
742	01/01/2000 00:50:00	0.019438
742	01/01/2000 00:51:00	0.027212
742	01/01/2000 00:52:00	0.046006
742	01/01/2000 00:53:00	0.063024
742	01/01/2000 00:54:00	0.072721
742	01/01/2000 00:55:00	0.084934
742	01/01/2000 00:56:00	0.090185
742	01/01/2000 00:57:00	0.090803
742	01/01/2000 00:58:00	0.092176
742	01/01/2000 00:59:00	0.093928
742	01/01/2000 01:00:00	0.094223
742	01/01/2000 01:01:00	0.095
742	01/01/2000 01:02:00	0.095
742	01/01/2000 01:03:00	0.095279
742	01/01/2000 01:04:00	0.096
742	01/01/2000 01:05:00	0.096
742	01/01/2000 01:06:00	0.096
742	01/01/2000 01:07:00	0.096048
742	01/01/2000 01:08:00	0.096258
742	01/01/2000 01:09:00	0.096468
742	01/01/2000 01:10:00	0.096662
742	01/01/2000 01:11:00	0.096815
742	01/01/2000 01:12:00	0.096901
742	01/01/2000 01:13:00	0.096911
742	01/01/2000 01:14:00	0.096846
742	01/01/2000 01:15:00	0.096714
742	01/01/2000 01:16:00	0.096533
742	01/01/2000 01:17:00	0.096319
742	01/01/2000 01:18:00	0.096086
742	01/01/2000 01:19:00	0.096
742	01/01/2000 01:20:00	0.096
742	01/01/2000 01:21:00	0.095995
742	01/01/2000 01:22:00	0.095044
742	01/01/2000 01:23:00	0.095
742	01/01/2000 01:24:00	0.095
742	01/01/2000 01:25:00	0.095
742	01/01/2000 01:26:00	0.094651
742	01/01/2000 01:27:00	0.094046
742	01/01/2000 01:28:00	0.094
742	01/01/2000 01:29:00	0.094
742	01/01/2000 01:30:00	0.093
742	01/01/2000 01:31:00	0.092317
742	01/01/2000 01:32:00	0.091
742	01/01/2000 01:33:00	0.090373
742	01/01/2000 01:34:00	0.034502
742	01/01/2000 01:35:00	0
742	01/01/2000 01:36:00	0.012269
742	01/01/2000 01:37:00	0.006082
742	01/01/2000 01:38:00	0.0087
742	01/01/2000 01:39:00	0.007239
742	01/01/2000 01:40:00	0.007756
742	01/01/2000 01:41:00	0.00724
742	01/01/2000 01:42:00	0.006962
742	01/01/2000 01:43:00	0.006528
742	01/01/2000 01:44:00	0.006295
742	01/01/2000 01:45:00	0.006031
742	01/01/2000 01:46:00	0.005848
742	01/01/2000 01:47:00	0.005706
742	01/01/2000 01:48:00	0.005602
742	01/01/2000 01:49:00	0.005522
742	01/01/2000 01:50:00	0.005462
742	01/01/2000 01:51:00	0.005323
742	01/01/2000 01:52:00	0.005053
742	01/01/2000 01:53:00	0.004813
742	01/01/2000 01:54:00	0.004641
742	01/01/2000 01:55:00	0.004478
742	01/01/2000 01:56:00	0.004354
742	01/01/2000 01:57:00	0.004263
742	01/01/2000 01:58:00	0.004194
742	01/01/2000 01:59:00	0.004141
742	01/01/2000 02:00:00	0.004101
742	01/01/2000 02:01:00	0.004004
742	01/01/2000 02:02:00	0.003813
742	01/01/2000 02:03:00	0.003643
742	01/01/2000 02:04:00	0.003522
742	01/01/2000 02:05:00	0.003406
742	01/01/2000 02:06:00	0.003317
742	01/01/2000 02:07:00	0.003253
742	01/01/2000 02:08:00	0.003203
742	01/01/2000 02:09:00	0.003165
742	01/01/2000 02:10:00	0.003136
742	01/01/2000 02:11:00	0.00307
742	01/01/2000 02:12:00	0.002942
742	01/01/2000 02:13:00	0.002837
742	01/01/2000 02:14:00	0.002776
742	01/01/2000 02:15:00	0.002727
742	01/01/2000 02:16:00	0.002694
742	01/01/2000 02:17:00	0.002671
742	01/01/2000 02:18:00	0.002654
742	01/01/2000 02:19:00	0.002642
742	01/01/2000 02:20:00	0.002633
742	01/01/2000 02:21:00	0.002594
742	01/01/2000 02:22:00	0.002506
742	01/01/2000 02:23:00	0.002436
742	01/01/2000 02:24:00	0.0024
742	01/01/2000 02:25:00	0.002375
742	01/01/2000 02:26:00	0.00236
742	01/01/2000 02:27:00	0.002351
742	01/01/2000 02:28:00	0.002345
742	01/01/2000 02:29:00	0.002341
742	01/01/2000 02:30:00	0.002338
742	01/01/2000 02:31:00	0.00231
742	01/01/2000 02:32:00	0.002243
742	01/01/2000 02:33:00	0.00219
742	01/01/2000 02:34:00	0.002163
742	01/01/2000 02:35:00	0.002144
742	01/01/2000 02:36:00	0.002134
742	01/01/2000 02:37:00	0.002127
742	01/01/2000 02:38:00	0.002123
742	01/01/2000 02:39:00	0.002121
742	01/01/2000 02:40:00	0.002119

742	01/01/2000 02:41:00	0.002097
742	01/01/2000 02:42:00	0.002042
742	01/01/2000 02:43:00	0.001999
742	01/01/2000 02:44:00	0.001977
742	01/01/2000 02:45:00	0.001962
742	01/01/2000 02:46:00	0.001954
742	01/01/2000 02:47:00	0.001948
742	01/01/2000 02:48:00	0.001945
742	01/01/2000 02:49:00	0.001943
742	01/01/2000 02:50:00	0.001942
742	01/01/2000 02:51:00	0.001924
742	01/01/2000 02:52:00	0.001878
742	01/01/2000 02:53:00	0.001842
742	01/01/2000 02:54:00	0.001824
742	01/01/2000 02:55:00	0.001811
742	01/01/2000 02:56:00	0.001804
742	01/01/2000 02:57:00	0.0018
742	01/01/2000 02:58:00	0.001797
742	01/01/2000 02:59:00	0.001796
742	01/01/2000 03:00:00	0.001795
742	01/01/2000 03:01:00	0.001577
742	01/01/2000 03:02:00	0.001026
742	01/01/2000 03:03:00	0.000587
742	01/01/2000 03:04:00	0.000372
742	01/01/2000 03:05:00	0.000217
742	01/01/2000 03:06:00	0.000135
742	01/01/2000 03:07:00	8E-05
742	01/01/2000 03:08:00	4.9E-05
742	01/01/2000 03:09:00	2.9E-05
742	01/01/2000 03:10:00	1.8E-05
742	01/01/2000 03:11:00	1.1E-05
742	01/01/2000 03:12:00	0
742	01/01/2000 03:13:00	0
742	01/01/2000 03:14:00	0
742	01/01/2000 03:15:00	0
742	01/01/2000 03:16:00	0
742	01/01/2000 03:17:00	0
742	01/01/2000 03:18:00	0
742	01/01/2000 03:19:00	0
742	01/01/2000 03:20:00	0
742	01/01/2000 03:21:00	0
742	01/01/2000 03:22:00	0
742	01/01/2000 03:23:00	0
742	01/01/2000 03:24:00	0
742	01/01/2000 03:25:00	0
742	01/01/2000 03:26:00	0
742	01/01/2000 03:27:00	0
742	01/01/2000 03:28:00	0
742	01/01/2000 03:29:00	0
742	01/01/2000 03:30:00	0
742	01/01/2000 03:31:00	0
742	01/01/2000 03:32:00	0
742	01/01/2000 03:33:00	0
742	01/01/2000 03:34:00	0
742	01/01/2000 03:35:00	0
742	01/01/2000 03:36:00	0
742	01/01/2000 03:37:00	0
742	01/01/2000 03:38:00	0
742	01/01/2000 03:39:00	0
742	01/01/2000 03:40:00	0
742	01/01/2000 03:41:00	0
742	01/01/2000 03:42:00	0
742	01/01/2000 03:43:00	0
742	01/01/2000 03:44:00	0
742	01/01/2000 03:45:00	0
742	01/01/2000 03:46:00	0
742	01/01/2000 03:47:00	0
742	01/01/2000 03:48:00	0
742	01/01/2000 03:49:00	0
742	01/01/2000 03:50:00	0
742	01/01/2000 03:51:00	0
742	01/01/2000 03:52:00	0
742	01/01/2000 03:53:00	0
742	01/01/2000 03:54:00	0
742	01/01/2000 03:55:00	0
742	01/01/2000 03:56:00	0
742	01/01/2000 03:57:00	0
742	01/01/2000 03:58:00	0
742	01/01/2000 03:59:00	0
742	01/01/2000 04:00:00	0
742	01/01/2000 04:01:00	0
742	01/01/2000 04:02:00	0
742	01/01/2000 04:03:00	0
742	01/01/2000 04:04:00	0
742	01/01/2000 04:05:00	0
742	01/01/2000 04:06:00	0
742	01/01/2000 04:07:00	0
742	01/01/2000 04:08:00	0
742	01/01/2000 04:09:00	0
742	01/01/2000 04:10:00	0
742	01/01/2000 04:11:00	0
742	01/01/2000 04:12:00	0
742	01/01/2000 04:13:00	0
742	01/01/2000 04:14:00	0
742	01/01/2000 04:15:00	0
742	01/01/2000 04:16:00	0

;Flow (m³/s)

743E	01/01/2000 00:00:00	0
743E	01/01/2000 00:01:00	0
743E	01/01/2000 00:02:00	0
743E	01/01/2000 00:03:00	0
743E	01/01/2000 00:04:00	0
743E	01/01/2000 00:05:00	0
743E	01/01/2000 00:06:00	0
743E	01/01/2000 00:07:00	0
743E	01/01/2000 00:08:00	0
743E	01/01/2000 00:09:00	0
743E	01/01/2000 00:10:00	0
743E	01/01/2000 00:11:00	0
743E	01/01/2000 00:12:00	0
743E	01/01/2000 00:13:00	0
743E	01/01/2000 00:14:00	0
743E	01/01/2000 00:15:00	0.000336
743E	01/01/2000 00:16:00	0.001444
743E	01/01/2000 00:17:00	0.002779
743E	01/01/2000 00:18:00	0.003642
743E	01/01/2000 00:19:00	0.00416
743E	01/01/2000 00:20:00	0.004494
743E	01/01/2000 00:21:00	0.004917
743E	01/01/2000 00:22:00	0.005577
743E	01/01/2000 00:23:00	0.006057
743E	01/01/2000 00:24:00	0.006315
743E	01/01/2000 00:25:00	0.0065
743E	01/01/2000 00:26:00	0.0066
743E	01/01/2000 00:27:00	0.006671
743E	01/01/2000 00:28:00	0.006711
743E	01/01/2000 00:29:00	0.006738
743E	01/01/2000 00:30:00	0.006753
743E	01/01/2000 00:31:00	0.007256
743E	01/01/2000 00:32:00	0.008441
743E	01/01/2000 00:33:00	0.009337
743E	01/01/2000 00:34:00	0.009801
743E	01/01/2000 00:35:00	0.010145
743E	01/01/2000 00:36:00	0.010327
743E	01/01/2000 00:37:00	0.010459
743E	01/01/2000 00:38:00	0.01053
743E	01/01/2000 00:39:00	0.010581
743E	01/01/2000 00:40:00	0.010608
743E	01/01/2000 00:41:00	0.012986
743E	01/01/2000 00:42:00	0.018638
743E	01/01/2000 00:43:00	0.023431
743E	01/01/2000 00:44:00	0.02682
743E	01/01/2000 00:45:00	0.030148
743E	01/01/2000 00:46:00	0.033
743E	01/01/2000 00:47:00	0.035499
743E	01/01/2000 00:48:00	0.03766
743E	01/01/2000 00:49:00	0.039621
743E	01/01/2000 00:50:00	0.041393
743E	01/01/2000 00:51:00	0.058023
743E	01/01/2000 00:52:00	0.095039
743E	01/01/2000 00:53:00	0.124281
743E	01/01/2000 00:54:00	0.152
743E	01/01/2000 00:55:00	0.152
743E	01/01/2000 00:56:00	0.152346
743E	01/01/2000 00:57:00	0.153208
743E	01/01/2000 00:58:00	0.154326
743E	01/01/2000 00:59:00	0.155651
743E	01/01/2000 01:00:00	0.156819
743E	01/01/2000 01:01:00	0.157925
743E	01/01/2000 01:02:00	0.15893
743E	01/01/2000 01:03:00	0.159889
743E	01/01/2000 01:04:00	0.16066
743E	01/01/2000 01:05:00	0.161225
743E	01/01/2000 01:06:00	0.161593
743E	01/01/2000 01:07:00	0.161784
743E	01/01/2000 01:08:00	0.161829
743E	01/01/2000 01:09:00	0.161759
743E	01/01/2000 01:10:00	0.161601
743E	01/01/2000 01:11:00	0.161364
743E	01/01/2000 01:12:00	0.161034
743E	01/01/2000 01:13:00	0.160611
743E	01/01/2000 01:14:00	0.159525
743E	01/01/2000 01:15:00	0.156766
743E	01/01/2000 01:16:00	0.153904
743E	01/01/2000 01:17:00	0.151454
743E	01/01/2000 01:18:00	0.149296
743E	01/01/2000 01:19:00	0.147385
743E	01/01/2000 01:20:00	0.145685
743E	01/01/2000 01:21:00	0.144077
743E	01/01/2000 01:22:00	0.142338
743E	01/01/2000 01:23:00	0.140591
743E	01/01/2000 01:24:00	0.138861
743E	01/01/2000 01:25:00	0.137136
743E	01/01/2000 01:26:00	0.135527
743E	01/01/2000 01:27:00	0.059056
743E	01/01/2000 01:28:00	0.013274
743E	01/01/2000 01:29:00	0.038463
743E	01/01/2000 01:30:00	0.022032
743E	01/01/2000 01:31:00	0.030046
743E	01/01/2000 01:32:00	0.022874
743E	01/01/2000 01:33:00	0.02459
743E	01/01/2000 01:34:00	0.021466
743E	01/01/2000 01:35:00	0.021421
743E	01/01/2000 01:36:00	0.01977
743E	01/01/2000 01:37:00	0.019397
743E	01/01/2000 01:38:00	0.018554
743E	01/01/2000 01:39:00	0.01821
743E	01/01/2000 01:40:00	0.017742
743E	01/01/2000 01:41:00	0.017192
743E	01/01/2000 01:42:00	0.016227
743E	01/01/2000 01:43:00	0.01542
743E	01/01/2000 01:44:00	0.014746
743E	01/01/2000 01:45:00	0.014101
743E	01/01/2000 01:46:00	0.013551
743E	01/01/2000 01:47:00	0.013127
743E	01/01/2000 01:48:00	0.012789
743E	01/01/2000 01:49:00	0.012523
743E	01/01/2000 01:50:00	0.012309
743E	01/01/2000 01:51:00	0.011947
743E	01/01/2000 01:52:00	0.011354
743E	01/01/2000 01:53:00	0.010829
743E	01/01/2000 01:54:00	0.010406
743E	01/01/2000 01:55:00	0.009988
743E	01/01/2000 01:56:00	0.009637
743E	01/01/2000 01:57:00	0.009363
743E	01/01/2000 01:58:00	0.009146
743E	01/01/2000 01:59:00	0.008973
743E	01/01/2000 02:00:00	0.008835
743E	01/01/2000 02:01:00	0.008588
743E	01/01/2000 02:02:00	0.008174
743E	01/01/2000 02:03:00	0.007808
743E	01/01/2000 02:04:00	0.007512
743E	01/01/2000 02:05:00	0.007219
743E	01/01/2000 02:06:00	0.006972
743E	01/01/2000 02:07:00	0.006779
743E	01/01/2000 02:08:00	0.006626
743E	01/01/2000 02:09:00	0.006504
743E	01/01/2000 02:10:00	0.006406
743E	01/01/2000 02:11:00	0.006236
743E	01/01/2000 02:12:00	0.005956
743E	01/01/2000 02:13:00	0.005724
743E	01/01/2000 02:14:00	0.005558
743E	01/01/2000 02:15:00	0.005407
743E	01/01/2000 02:16:00	0.005283
743E	01/01/2000 02:17:00	0.005183
743E	01/01/2000 02:18:00	0.005106
743E	01/01/2000 02:19:00	0.005044
743E	01/01/2000 02:20:00	0.004994
743E	01/01/2000 02:21:00	0.004891
743E	01/01/2000 02:22:00	0.004708
743E	01/01/2000 02:23:00	0.004566
743E	01/01/2000 02:24:00	0.004483
743E	01/01/2000 02:25:00	0.004418
743E	01/01/2000 02:26:00	0.004376
743E	01/01/2000 02:27:00	0.004344
743E	01/01/2000 02:28:00	0.004321
743E	01/01/2000 02:29:00	0.004304
743E	01/01/2000 02:30:00	0.004291
743E	01/01/2000 02:31:00	0.004231
743E	01/01/2000 02:32:00	0.004104
743E	01/01/2000 02:33:00	0.004007
743E	01/01/2000 02:34:00	0.003956
743E	01/01/2000 02:35:00	0.003917
743E	01/01/2000 02:36:00	0.003895
743E	01/01/2000 02:37:00	0.003879
743E	01/01/2000 02:38:00	0.003869
743E	01/01/2000 02:39:00	0.003862
743E	01/01/2000 02:40:00	0.003858
743E	01/01/2000 02:41:00	0.003814
743E	01/01/2000 02:42:00	0.003714
743E	01/01/2000 02:43:00	0.003639
743E	01/01/2000 02:44:00	0.003599
743E	01/01/2000 02:45:00	0.00357
743E	01/01/2000 02:46:00	0.003554
743E	01/01/2000 02:47:00	0.003543
743E	01/01/2000 02:48:00	0.003537
743E	01/01/2000 02:49:00	0.003532
743E	01/01/2000 02:50:00	0.003529
743E	01/01/2000 02:51:00	0.003494
743E	01/01/2000 02:52:00	0.003411
743E	01/01/2000 02:53:00	0.003349
743E	01/01/2000 02:54:00	0.003317
743E	01/01/2000 02:55:00	0.003293
743E	01/01/2000 02:56:00	0.00328
743E	01/01/2000 02:57:00	0.003271
743E	01/01/2000 02:58:00	0.003266
743E	01/01/2000 02:59:00	0.003262
743E	01/01/2000 03:00:00	0.00326
743E	01/01/2000 03:01:00	0.002846
743E	01/01/2000 03:02:00	0.001854
743E	01/01/2000 03:03:00	0.001105
743E	01/01/2000 03:04:00	0.000717
743E	01/01/2000 03:05:00	0.000429
743E	01/01/2000 03:06:00	0.000277
743E	01/01/2000 03:07:00	0.000167
743E	01/01/2000 03:08:00	0.000107
743E	01/01/2000 03:09:00	6.5E-05
743E	01/01/2000 03:10:00	4.2E-05
743E	01/01/2000 03:11:00	2.5E-05
743E	01/01/2000 03:12:00	1.6E-05
743E	01/01/2000 03:13:00	0
743E	01/01/2000 03:14:00	0
743E	01/01/2000 03:15:00	0
743E	01/01/2000 03:16:00	0
743E	01/01/2000 03:17:00	0
743E	01/01/2000 03:18:00	0
743E	01/01/2000 03:19:00	0

743E	01/01/2000 03:20:00	0
743E	01/01/2000 03:21:00	0
743E	01/01/2000 03:22:00	0
743E	01/01/2000 03:23:00	0
743E	01/01/2000 03:24:00	0
743E	01/01/2000 03:25:00	0
743E	01/01/2000 03:26:00	0
743E	01/01/2000 03:27:00	0
743E	01/01/2000 03:28:00	0
743E	01/01/2000 03:29:00	0
743E	01/01/2000 03:30:00	0
743E	01/01/2000 03:31:00	0
743E	01/01/2000 03:32:00	0
743E	01/01/2000 03:33:00	0
743E	01/01/2000 03:34:00	0
743E	01/01/2000 03:35:00	0
743E	01/01/2000 03:36:00	0
743E	01/01/2000 03:37:00	0
743E	01/01/2000 03:38:00	0
743E	01/01/2000 03:39:00	0
743E	01/01/2000 03:40:00	0
743E	01/01/2000 03:41:00	0
743E	01/01/2000 03:42:00	0
743E	01/01/2000 03:43:00	0
743E	01/01/2000 03:44:00	0
743E	01/01/2000 03:45:00	0
743E	01/01/2000 03:46:00	0
743E	01/01/2000 03:47:00	0
743E	01/01/2000 03:48:00	0
743E	01/01/2000 03:49:00	0
743E	01/01/2000 03:50:00	0
743E	01/01/2000 03:51:00	0
743E	01/01/2000 03:52:00	0
743E	01/01/2000 03:53:00	0
743E	01/01/2000 03:54:00	0
743E	01/01/2000 03:55:00	0
743E	01/01/2000 03:56:00	0
743E	01/01/2000 03:57:00	0
743E	01/01/2000 03:58:00	0
743E	01/01/2000 03:59:00	0
743E	01/01/2000 04:00:00	0
743E	01/01/2000 04:01:00	0
743E	01/01/2000 04:02:00	0
743E	01/01/2000 04:03:00	0
743E	01/01/2000 04:04:00	0
743E	01/01/2000 04:05:00	0
743E	01/01/2000 04:06:00	0
743E	01/01/2000 04:07:00	0
743E	01/01/2000 04:08:00	0
743E	01/01/2000 04:09:00	0
743E	01/01/2000 04:10:00	0
743E	01/01/2000 04:11:00	0
743E	01/01/2000 04:12:00	0
743E	01/01/2000 04:13:00	0
743E	01/01/2000 04:14:00	0
743E	01/01/2000 04:15:00	0
743E	01/01/2000 04:16:00	0

;Flow (m^3/s)

744	01/01/2000 00:00:00	0
744	01/01/2000 00:01:00	0
744	01/01/2000 00:02:00	0
744	01/01/2000 00:03:00	0
744	01/01/2000 00:04:00	0
744	01/01/2000 00:05:00	0
744	01/01/2000 00:06:00	0
744	01/01/2000 00:07:00	0
744	01/01/2000 00:08:00	0
744	01/01/2000 00:09:00	0
744	01/01/2000 00:10:00	0
744	01/01/2000 00:11:00	0
744	01/01/2000 00:12:00	0
744	01/01/2000 00:13:00	0
744	01/01/2000 00:14:00	0
744	01/01/2000 00:15:00	2E-06
744	01/01/2000 00:16:00	4E-06
744	01/01/2000 00:17:00	5E-06
744	01/01/2000 00:18:00	5E-06
744	01/01/2000 00:19:00	5E-06
744	01/01/2000 00:20:00	6E-06
744	01/01/2000 00:21:00	7E-06
744	01/01/2000 00:22:00	7E-06
744	01/01/2000 00:23:00	7E-06
744	01/01/2000 00:24:00	8E-06
744	01/01/2000 00:25:00	8E-06
744	01/01/2000 00:26:00	8E-06
744	01/01/2000 00:27:00	8E-06
744	01/01/2000 00:28:00	8E-06
744	01/01/2000 00:29:00	8E-06
744	01/01/2000 00:30:00	8E-06
744	01/01/2000 00:31:00	1E-05
744	01/01/2000 00:32:00	1.1E-05
744	01/01/2000 00:33:00	1.1E-05
744	01/01/2000 00:34:00	1.2E-05
744	01/01/2000 00:35:00	1.2E-05
744	01/01/2000 00:36:00	1.2E-05
744	01/01/2000 00:37:00	1.2E-05
744	01/01/2000 00:38:00	1.2E-05
744	01/01/2000 00:39:00	1.2E-05
744	01/01/2000 00:40:00	1.2E-05
744	01/01/2000 00:41:00	0.000174
744	01/01/2000 00:42:00	0.000498
744	01/01/2000 00:43:00	0.000997
744	01/01/2000 00:44:00	0.001686
744	01/01/2000 00:45:00	0.002574
744	01/01/2000 00:46:00	0.003673
744	01/01/2000 00:47:00	0.004992
744	01/01/2000 00:48:00	0.006239
744	01/01/2000 00:49:00	0.007418
744	01/01/2000 00:50:00	0.00853
744	01/01/2000 00:51:00	0.011069
744	01/01/2000 00:52:00	0.014959
744	01/01/2000 00:53:00	0.020216
744	01/01/2000 00:54:00	0.026849
744	01/01/2000 00:55:00	0.034865
744	01/01/2000 00:56:00	0.039
744	01/01/2000 00:57:00	0.039
744	01/01/2000 00:58:00	0.039
744	01/01/2000 00:59:00	0.039
744	01/01/2000 01:00:00	0.039
744	01/01/2000 01:01:00	0.039
744	01/01/2000 01:02:00	0.039
744	01/01/2000 01:03:00	0.039
744	01/01/2000 01:04:00	0.039
744	01/01/2000 01:05:00	0.039
744	01/01/2000 01:06:00	0.039
744	01/01/2000 01:07:00	0.039
744	01/01/2000 01:08:00	0.039
744	01/01/2000 01:09:00	0.039
744	01/01/2000 01:10:00	0.039
744	01/01/2000 01:11:00	0.039
744	01/01/2000 01:12:00	0.039
744	01/01/2000 01:13:00	0.039
744	01/01/2000 01:14:00	0.039
744	01/01/2000 01:15:00	0.039
744	01/01/2000 01:16:00	0.037745
744	01/01/2000 01:17:00	0.03444
744	01/01/2000 01:18:00	0.031604
744	01/01/2000 01:19:00	0.029172
744	01/01/2000 01:20:00	0.027086
744	01/01/2000 01:21:00	0.025201
744	01/01/2000 01:22:00	0.02348
744	01/01/2000 01:23:00	0.021885
744	01/01/2000 01:24:00	0.020385
744	01/01/2000 01:25:00	0.018954
744	01/01/2000 01:26:00	0.017568
744	01/01/2000 01:27:00	0.016207
744	01/01/2000 01:28:00	0.015041
744	01/01/2000 01:29:00	0.014042
744	01/01/2000 01:30:00	0.013186
744	01/01/2000 01:31:00	0.012405
744	01/01/2000 01:32:00	0.011684
744	01/01/2000 01:33:00	0.011008
744	01/01/2000 01:34:00	0.010363
744	01/01/2000 01:35:00	0.009739
744	01/01/2000 01:36:00	0.009125
744	01/01/2000 01:37:00	0.008514
744	01/01/2000 01:38:00	0.00799
744	01/01/2000 01:39:00	0.007542
744	01/01/2000 01:40:00	0.007159
744	01/01/2000 01:41:00	0.006802
744	01/01/2000 01:42:00	0.006465
744	01/01/2000 01:43:00	0.006142
744	01/01/2000 01:44:00	0.005827
744	01/01/2000 01:45:00	0.005513
744	01/01/2000 01:46:00	0.005198
744	01/01/2000 01:47:00	0.004877
744	01/01/2000 01:48:00	0.004602
744	01/01/2000 01:49:00	0.004366
744	01/01/2000 01:50:00	0.004165
744	01/01/2000 01:51:00	0.003973
744	01/01/2000 01:52:00	0.003789
744	01/01/2000 01:53:00	0.003607
744	01/01/2000 01:54:00	0.003426
744	01/01/2000 01:55:00	0.003242
744	01/01/2000 01:56:00	0.003053
744	01/01/2000 01:57:00	0.002857
744	01/01/2000 01:58:00	0.002689
744	01/01/2000 01:59:00	0.002545
744	01/01/2000 02:00:00	0.002421
744	01/01/2000 02:01:00	0.002302
744	01/01/2000 02:02:00	0.002185
744	01/01/2000 02:03:00	0.002068
744	01/01/2000 02:04:00	0.001949
744	01/01/2000 02:05:00	0.001826
744	01/01/2000 02:06:00	0.001698
744	01/01/2000 02:07:00	0.001565
744	01/01/2000 02:08:00	0.00145
744	01/01/2000 02:09:00	0.001352
744	01/01/2000 02:10:00	0.001267
744	01/01/2000 02:11:00	0.001184
744	01/01/2000 02:12:00	0.001102
744	01/01/2000 02:13:00	0.001019
744	01/01/2000 02:14:00	0.000935
744	01/01/2000 02:15:00	0.000847
744	01/01/2000 02:16:00	0.000754
744	01/01/2000 02:17:00	0.000657
744	01/01/2000 02:18:00	0.000573
744	01/01/2000 02:19:00	0.000502
744	01/01/2000 02:20:00	0.00044
744	01/01/2000 02:21:00	0.000385
744	01/01/2000 02:22:00	0.000338
744	01/01/2000 02:23:00	0.000297
744	01/01/2000 02:24:00	0.00026
744	01/01/2000 02:25:00	0.000227
744	01/01/2000 02:26:00	0.000198
744	01/01/2000 02:27:00	0.000171
744	01/01/2000 02:28:00	0.000148
744	01/01/2000 02:29:00	0.000128
744	01/01/2000 02:30:00	0.000111
744	01/01/2000 02:31:00	9.6E-05
744	01/01/2000 02:32:00	8.4E-05
744	01/01/2000 02:33:00	7.3E-05
744	01/01/2000 02:34:00	6.3E-05
744	01/01/2000 02:35:00	5.5E-05
744	01/01/2000 02:36:00	4.8E-05
744	01/01/2000 02:37:00	4.2E-05
744	01/01/2000 02:38:00	3.7E-05
744	01/01/2000 02:39:00	3.2E-05
744	01/01/2000 02:40:00	2.8E-05
744	01/01/2000 02:41:00	2.5E-05
744	01/01/2000 02:42:00	2.2E-05
744	01/01/2000 02:43:00	1.9E-05
744	01/01/2000 02:44:00	1.7E-05
744	01/01/2000 02:45:00	1.5E-05
744	01/01/2000 02:46:00	1.4E-05
744	01/01/2000 02:47:00	1.2E-05
744	01/01/2000 02:48:00	1.1E-05
744	01/01/2000 02:49:00	1E-05
744	01/01/2000 02:50:00	0
744	01/01/2000 02:51:00	0
744	01/01/2000 02:52:00	0
744	01/01/2000 02:53:00	0
744	01/01/2000 02:54:00	0
744	01/01/2000 02:55:00	0
744	01/01/2000 02:56:00	0
744	01/01/2000 02:57:00	0
744	01/01/2000 02:58:00	0
744	01/01/2000 02:59:00	0
744	01/01/2000 03:00:00	0
744	01/01/2000 03:01:00	0
744	01/01/2000 03:02:00	0
744	01/01/2000 03:03:00	0
744	01/01/2000 03:04:00	0
744	01/01/2000 03:05:00	0
744	01/01/2000 03:06:00	0
744	01/01/2000 03:07:00	0
744	01/01/2000 03:08:00	0
744	01/01/2000 03:09:00	0
744	01/01/2000 03:10:00	0
744	01/01/2000 03:11:00	0
744	01/01/2000 03:12:00	0
744	01/01/2000 03:13:00	0
744	01/01/2000 03:14:00	0
744	01/01/2000 03:15:00	0
744	01/01/2000 03:16:00	0
744	01/01/2000 03:17:00	0
744	01/01/2000 03:18:00	0
744	01/01/2000 03:19:00	0
744	01/01/2000 03:20:00	0
744	01/01/2000 03:21:00	0
744	01/01/2000 03:22:00	0
744	01/01/2000 03:23:00	0
744	01/01/2000 03:24:00	0
744	01/01/2000 03:25:00	0
744	01/01/2000 03:26:00	0
744	01/01/2000 03:27:00	0
744	01/01/2000 03:28:00	0
744	01/01/2000 03:29:00	0
744	01/01/2000 03:30:00	0
744	01/01/2000 03:31:00	0
744	01/01/2000 03:32:00	0
744	01/01/2000 03:33:00	0
744	01/01/2000 03:34:00	0
744	01/01/2000 03:35:00	0
744	01/01/2000 03:36:00	0
744	01/01/2000 03:37:00	0
744	01/01/2000 03:38:00	0
744	01/01/2000 03:39:00	0
744	01/01/2000 03:40:00	0
744	01/01/2000 03:41:00	0
744	01/01/2000 03:42:00	0
744	01/01/2000 03:43:00	0
744	01/01/2000 03:44:00	0
744	01/01/2000 03:45:00	0
744	01/01/2000 03:46:00	0
744	01/01/2000 03:47:00	0
744	01/01/2000 03:48:00	0
744	01/01/2000 03:49:00	0
744	01/01/2000 03:50:00	0
744	01/01/2000 03:51:00	0
744	01/01/2000 03:52:00	0
744	01/01/2000 03:53:00	0
744	01/01/2000 03:54:00	0
744	01/01/2000 03:55:00	0
744	01/01/2000 03:56:00	0
744	01/01/2000 03:57:00	0
744	01/01/2000 03:58:00	0

```
744             01/01/2000 03:59:00   0
744             01/01/2000 04:00:00   0
744             01/01/2000 04:01:00   0
744             01/01/2000 04:02:00   0
744             01/01/2000 04:03:00   0
744             01/01/2000 04:04:00   0
744             01/01/2000 04:05:00   0
744             01/01/2000 04:06:00   0
744             01/01/2000 04:07:00   0
744             01/01/2000 04:08:00   0
744             01/01/2000 04:09:00   0
744             01/01/2000 04:10:00   0
744             01/01/2000 04:11:00   0
744             01/01/2000 04:12:00   0
744             01/01/2000 04:13:00   0
744             01/01/2000 04:14:00   0
744             01/01/2000 04:15:00   0
744             01/01/2000 04:16:00   0

;Flow (m³/s)
746             01/01/2000 00:00:00   0
746             01/01/2000 00:01:00   0
746             01/01/2000 00:02:00   0
746             01/01/2000 00:03:00   0
746             01/01/2000 00:04:00   0
746             01/01/2000 00:05:00   0
746             01/01/2000 00:06:00   0
746             01/01/2000 00:07:00   0
746             01/01/2000 00:08:00   0
746             01/01/2000 00:09:00   0
746             01/01/2000 00:10:00   0
746             01/01/2000 00:11:00   0
746             01/01/2000 00:12:00   0
746             01/01/2000 00:13:00   0
746             01/01/2000 00:14:00   0
746             01/01/2000 00:15:00   8.4E-05
746             01/01/2000 00:16:00   0.000442
746             01/01/2000 00:17:00   0.00106
746             01/01/2000 00:18:00   0.001665
746             01/01/2000 00:19:00   0.002098
746             01/01/2000 00:20:00   0.002374
746             01/01/2000 00:21:00   0.002597
746             01/01/2000 00:22:00   0.002882
746             01/01/2000 00:23:00   0.003178
746             01/01/2000 00:24:00   0.003394
746             01/01/2000 00:25:00   0.003533
746             01/01/2000 00:26:00   0.003617
746             01/01/2000 00:27:00   0.003667
746             01/01/2000 00:28:00   0.003696
746             01/01/2000 00:29:00   0.003712
746             01/01/2000 00:30:00   0.003721
746             01/01/2000 00:31:00   0.00385
746             01/01/2000 00:32:00   0.004266
746             01/01/2000 00:33:00   0.0048
746             01/01/2000 00:34:00   0.005208
746             01/01/2000 00:35:00   0.005476
746             01/01/2000 00:36:00   0.00564
746             01/01/2000 00:37:00   0.005737
746             01/01/2000 00:38:00   0.005794
746             01/01/2000 00:39:00   0.005826
746             01/01/2000 00:40:00   0.005845
746             01/01/2000 00:41:00   0.006406
746             01/01/2000 00:42:00   0.008267
746             01/01/2000 00:43:00   0.01073
746             01/01/2000 00:44:00   0.011923
746             01/01/2000 00:45:00   0.013028
746             01/01/2000 00:46:00   0.01411
746             01/01/2000 00:47:00   0.015
746             01/01/2000 00:48:00   0.015
746             01/01/2000 00:49:00   0.015
746             01/01/2000 00:50:00   0.015
746             01/01/2000 00:51:00   0.015
746             01/01/2000 00:52:00   0.015
746             01/01/2000 00:53:00   0.015
746             01/01/2000 00:54:00   0.015
746             01/01/2000 00:55:00   0.015
746             01/01/2000 00:56:00   0.015
746             01/01/2000 00:57:00   0.015
746             01/01/2000 00:58:00   0.015
746             01/01/2000 00:59:00   0.01517
746             01/01/2000 01:00:00   0.015387
746             01/01/2000 01:01:00   0.0156
746             01/01/2000 01:02:00   0.015785
746             01/01/2000 01:03:00   0.015939
746             01/01/2000 01:04:00   0.016
746             01/01/2000 01:05:00   0.016
746             01/01/2000 01:06:00   0.016
746             01/01/2000 01:07:00   0.016
746             01/01/2000 01:08:00   0.016
746             01/01/2000 01:09:00   0.016
746             01/01/2000 01:10:00   0.016
746             01/01/2000 01:11:00   0.016
746             01/01/2000 01:12:00   0.016
746             01/01/2000 01:13:00   0.016
746             01/01/2000 01:14:00   0.016
746             01/01/2000 01:15:00   0.016
746             01/01/2000 01:16:00   0.016
746             01/01/2000 01:17:00   0.016
746             01/01/2000 01:18:00   0.016
746             01/01/2000 01:19:00   0.016
746             01/01/2000 01:20:00   0.016
746             01/01/2000 01:21:00   0.016
746             01/01/2000 01:22:00   0.016
746             01/01/2000 01:23:00   0.016
746             01/01/2000 01:24:00   0.016
746             01/01/2000 01:25:00   0.016
746             01/01/2000 01:26:00   0.016
746             01/01/2000 01:27:00   0.016
746             01/01/2000 01:28:00   0.016
746             01/01/2000 01:29:00   0.016
746             01/01/2000 01:30:00   0.016
746             01/01/2000 01:31:00   0.016
746             01/01/2000 01:32:00   0.016
746             01/01/2000 01:33:00   0.016
746             01/01/2000 01:34:00   0.016
746             01/01/2000 01:35:00   0.016
746             01/01/2000 01:36:00   0.016
746             01/01/2000 01:37:00   0.016
746             01/01/2000 01:38:00   0.016
746             01/01/2000 01:39:00   0.016
746             01/01/2000 01:40:00   0.016
746             01/01/2000 01:41:00   0.016
746             01/01/2000 01:42:00   0.016
746             01/01/2000 01:43:00   0.016
746             01/01/2000 01:44:00   0.016
746             01/01/2000 01:45:00   0.016
746             01/01/2000 01:46:00   0.016
746             01/01/2000 01:47:00   0.016
746             01/01/2000 01:48:00   0.016
746             01/01/2000 01:49:00   0.016
746             01/01/2000 01:50:00   0.016
746             01/01/2000 01:51:00   0.016
746             01/01/2000 01:52:00   0.016
746             01/01/2000 01:53:00   0.016
746             01/01/2000 01:54:00   0.016
746             01/01/2000 01:55:00   0.016
746             01/01/2000 01:56:00   0.016
746             01/01/2000 01:57:00   0.016
746             01/01/2000 01:58:00   0.016
746             01/01/2000 01:59:00   0.016
746             01/01/2000 02:00:00   0.016
746             01/01/2000 02:01:00   0.016
746             01/01/2000 02:02:00   0.016
746             01/01/2000 02:03:00   0.016
746             01/01/2000 02:04:00   0.016
746             01/01/2000 02:05:00   0.016
746             01/01/2000 02:06:00   0.016
746             01/01/2000 02:07:00   0.016
746             01/01/2000 02:08:00   0.016
746             01/01/2000 02:09:00   0.015975
746             01/01/2000 02:10:00   0.015946
746             01/01/2000 02:11:00   0.015918
746             01/01/2000 02:12:00   0.015889
746             01/01/2000 02:13:00   0.015859
746             01/01/2000 02:14:00   0.01583
746             01/01/2000 02:15:00   0.015801
746             01/01/2000 02:16:00   0.015771
746             01/01/2000 02:17:00   0.015742
746             01/01/2000 02:18:00   0.015713
746             01/01/2000 02:19:00   0.015683
746             01/01/2000 02:20:00   0.015654
746             01/01/2000 02:21:00   0.015625
746             01/01/2000 02:22:00   0.015595
746             01/01/2000 02:23:00   0.015566
746             01/01/2000 02:24:00   0.015536
746             01/01/2000 02:25:00   0.015507
746             01/01/2000 02:26:00   0.015477
746             01/01/2000 02:27:00   0.015448
746             01/01/2000 02:28:00   0.015419
746             01/01/2000 02:29:00   0.015389
746             01/01/2000 02:30:00   0.01536
746             01/01/2000 02:31:00   0.015331
746             01/01/2000 02:32:00   0.015301
746             01/01/2000 02:33:00   0.015272
746             01/01/2000 02:34:00   0.015242
746             01/01/2000 02:35:00   0.015213
746             01/01/2000 02:36:00   0.015184
746             01/01/2000 02:37:00   0.015154
746             01/01/2000 02:38:00   0.015125
746             01/01/2000 02:39:00   0.015096
746             01/01/2000 02:40:00   0.015067
746             01/01/2000 02:41:00   0.015038
746             01/01/2000 02:42:00   0.015009
746             01/01/2000 02:43:00   0.015
746             01/01/2000 02:44:00   0.015
746             01/01/2000 02:45:00   0.015
746             01/01/2000 02:46:00   0.015
746             01/01/2000 02:47:00   0.015
746             01/01/2000 02:48:00   0.015
746             01/01/2000 02:49:00   0.015
746             01/01/2000 02:50:00   0.015
746             01/01/2000 02:51:00   0.015
746             01/01/2000 02:52:00   0.015
746             01/01/2000 02:53:00   0.015
746             01/01/2000 02:54:00   0.015
746             01/01/2000 02:55:00   0.015
746             01/01/2000 02:56:00   0.015
746             01/01/2000 02:57:00   0.015
746             01/01/2000 02:58:00   0.015
746             01/01/2000 02:59:00   0.015
746             01/01/2000 03:00:00   0.015
746             01/01/2000 03:01:00   0.015
746             01/01/2000 03:02:00   0.015
746             01/01/2000 03:03:00   0.015
746             01/01/2000 03:04:00   0.015
746             01/01/2000 03:05:00   0.015
746             01/01/2000 03:06:00   0.015
746             01/01/2000 03:07:00   0.015
746             01/01/2000 03:08:00   0.015
746             01/01/2000 03:09:00   0.015
746             01/01/2000 03:10:00   0.015
746             01/01/2000 03:11:00   0.015
746             01/01/2000 03:12:00   0.015
746             01/01/2000 03:13:00   0.015
746             01/01/2000 03:14:00   0.015
746             01/01/2000 03:15:00   0.015
746             01/01/2000 03:16:00   0.015
746             01/01/2000 03:17:00   0.015
746             01/01/2000 03:18:00   0.009304
746             01/01/2000 03:19:00   0.003342
746             01/01/2000 03:20:00   0.001201
746             01/01/2000 03:21:00   0.000431
746             01/01/2000 03:22:00   0.000155
746             01/01/2000 03:23:00   5.6E-05
746             01/01/2000 03:24:00   2E-05
746             01/01/2000 03:25:00   0
746             01/01/2000 03:26:00   0
746             01/01/2000 03:27:00   0
746             01/01/2000 03:28:00   0
746             01/01/2000 03:29:00   0
746             01/01/2000 03:30:00   0
746             01/01/2000 03:31:00   0
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746             01/01/2000 03:33:00   0
746             01/01/2000 03:34:00   0
746             01/01/2000 03:35:00   0
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746             01/01/2000 03:38:00   0
746             01/01/2000 03:39:00   0
746             01/01/2000 03:40:00   0
746             01/01/2000 03:41:00   0
746             01/01/2000 03:42:00   0
746             01/01/2000 03:43:00   0
746             01/01/2000 03:44:00   0
746             01/01/2000 03:45:00   0
746             01/01/2000 03:46:00   0
746             01/01/2000 03:47:00   0
746             01/01/2000 03:48:00   0
746             01/01/2000 03:49:00   0
746             01/01/2000 03:50:00   0
746             01/01/2000 03:51:00   0
746             01/01/2000 03:52:00   0
746             01/01/2000 03:53:00   0
746             01/01/2000 03:54:00   0
746             01/01/2000 03:55:00   0
746             01/01/2000 03:56:00   0
746             01/01/2000 03:57:00   0
746             01/01/2000 03:58:00   0
746             01/01/2000 03:59:00   0
746             01/01/2000 04:00:00   0
746             01/01/2000 04:01:00   0
746             01/01/2000 04:02:00   0
746             01/01/2000 04:03:00   0
746             01/01/2000 04:04:00   0
746             01/01/2000 04:05:00   0
746             01/01/2000 04:06:00   0
746             01/01/2000 04:07:00   0
746             01/01/2000 04:08:00   0
746             01/01/2000 04:09:00   0
746             01/01/2000 04:10:00   0
746             01/01/2000 04:11:00   0
746             01/01/2000 04:12:00   0
746             01/01/2000 04:13:00   0
746             01/01/2000 04:14:00   0
746             01/01/2000 04:15:00   0
746             01/01/2000 04:16:00   0

;Flow (m³/s)
748E            01/01/2000 00:00:00   0
748E            01/01/2000 00:01:00   0
748E            01/01/2000 00:02:00   0
748E            01/01/2000 00:03:00   0
748E            01/01/2000 00:04:00   0
748E            01/01/2000 00:05:00   0
748E            01/01/2000 00:06:00   0
748E            01/01/2000 00:07:00   0
748E            01/01/2000 00:08:00   0
748E            01/01/2000 00:09:00   0
748E            01/01/2000 00:10:00   0
748E            01/01/2000 00:11:00   0
748E            01/01/2000 00:12:00   0
748E            01/01/2000 00:13:00   0
748E            01/01/2000 00:14:00   0
748E            01/01/2000 00:15:00   0.000309
748E            01/01/2000 00:16:00   0.001396
748E            01/01/2000 00:17:00   0.002818
748E            01/01/2000 00:18:00   0.0038
```

748E	01/01/2000 00:19:00	0.004373
748E	01/01/2000 00:20:00	0.004742
748E	01/01/2000 00:21:00	0.00517
748E	01/01/2000 00:22:00	0.005845
748E	01/01/2000 00:23:00	0.006389
748E	01/01/2000 00:24:00	0.00668
748E	01/01/2000 00:25:00	0.006878
748E	01/01/2000 00:26:00	0.006995
748E	01/01/2000 00:27:00	0.00707
748E	01/01/2000 00:28:00	0.007115
748E	01/01/2000 00:29:00	0.007144
748E	01/01/2000 00:30:00	0.007161
748E	01/01/2000 00:31:00	0.007625
748E	01/01/2000 00:32:00	0.008816
748E	01/01/2000 00:33:00	0.009835
748E	01/01/2000 00:34:00	0.010362
748E	01/01/2000 00:35:00	0.01073
748E	01/01/2000 00:36:00	0.010942
748E	01/01/2000 00:37:00	0.011081
748E	01/01/2000 00:38:00	0.011164
748E	01/01/2000 00:39:00	0.011217
748E	01/01/2000 00:40:00	0.011249
748E	01/01/2000 00:41:00	0.01331
748E	01/01/2000 00:42:00	0.018687
748E	01/01/2000 00:43:00	0.023559
748E	01/01/2000 00:44:00	0.026595
748E	01/01/2000 00:45:00	0.029232
748E	01/01/2000 00:46:00	0.031291
748E	01/01/2000 00:47:00	0.032972
748E	01/01/2000 00:48:00	0.034403
748E	01/01/2000 00:49:00	0.035662
748E	01/01/2000 00:50:00	0.036796
748E	01/01/2000 00:51:00	0.050368
748E	01/01/2000 00:52:00	0.071
748E	01/01/2000 00:53:00	0.071
748E	01/01/2000 00:54:00	0.071171
748E	01/01/2000 00:55:00	0.071541
748E	01/01/2000 00:56:00	0.071991
748E	01/01/2000 00:57:00	0.072502
748E	01/01/2000 00:58:00	0.073057
748E	01/01/2000 00:59:00	0.073626
748E	01/01/2000 01:00:00	0.074222
748E	01/01/2000 01:01:00	0.074805
748E	01/01/2000 01:02:00	0.075315
748E	01/01/2000 01:03:00	0.075723
748E	01/01/2000 01:04:00	0.076045
748E	01/01/2000 01:05:00	0.076293
748E	01/01/2000 01:06:00	0.076477
748E	01/01/2000 01:07:00	0.076616
748E	01/01/2000 01:08:00	0.076719
748E	01/01/2000 01:09:00	0.076795
748E	01/01/2000 01:10:00	0.076851
748E	01/01/2000 01:11:00	0.076882
748E	01/01/2000 01:12:00	0.076877
748E	01/01/2000 01:13:00	0.076835
748E	01/01/2000 01:14:00	0.076764
748E	01/01/2000 01:15:00	0.076669
748E	01/01/2000 01:16:00	0.076553
748E	01/01/2000 01:17:00	0.076423
748E	01/01/2000 01:18:00	0.07628
748E	01/01/2000 01:19:00	0.076129
748E	01/01/2000 01:20:00	0.07597
748E	01/01/2000 01:21:00	0.075804
748E	01/01/2000 01:22:00	0.075626
748E	01/01/2000 01:23:00	0.075435
748E	01/01/2000 01:24:00	0.075235
748E	01/01/2000 01:25:00	0.075028
748E	01/01/2000 01:26:00	0.074821
748E	01/01/2000 01:27:00	0.074612
748E	01/01/2000 01:28:00	0.074399
748E	01/01/2000 01:29:00	0.074184
748E	01/01/2000 01:30:00	0.073967
748E	01/01/2000 01:31:00	0.073748
748E	01/01/2000 01:32:00	0.073525
748E	01/01/2000 01:33:00	0.073297
748E	01/01/2000 01:34:00	0.073065
748E	01/01/2000 01:35:00	0.072823
748E	01/01/2000 01:36:00	0.072576
748E	01/01/2000 01:37:00	0.072328
748E	01/01/2000 01:38:00	0.072079
748E	01/01/2000 01:39:00	0.07183
748E	01/01/2000 01:40:00	0.07158
748E	01/01/2000 01:41:00	0.07133
748E	01/01/2000 01:42:00	0.071078
748E	01/01/2000 01:43:00	0.071
748E	01/01/2000 01:44:00	0.030096
748E	01/01/2000 01:45:00	0.00515
748E	01/01/2000 01:46:00	0.014073
748E	01/01/2000 01:47:00	0.010244
748E	01/01/2000 01:48:00	0.011367
748E	01/01/2000 01:49:00	0.010679
748E	01/01/2000 01:50:00	0.010737
748E	01/01/2000 01:51:00	0.010393
748E	01/01/2000 01:52:00	0.009913
748E	01/01/2000 01:53:00	0.009431
748E	01/01/2000 01:54:00	0.009094
748E	01/01/2000 01:55:00	0.008778
748E	01/01/2000 01:56:00	0.00853
748E	01/01/2000 01:57:00	0.008343
748E	01/01/2000 01:58:00	0.008198
748E	01/01/2000 01:59:00	0.008085
748E	01/01/2000 02:00:00	0.007996
748E	01/01/2000 02:01:00	0.007811
748E	01/01/2000 02:02:00	0.007454
748E	01/01/2000 02:03:00	0.007123
748E	01/01/2000 02:04:00	0.006883
748E	01/01/2000 02:05:00	0.006662
748E	01/01/2000 02:06:00	0.006486
748E	01/01/2000 02:07:00	0.006355
748E	01/01/2000 02:08:00	0.006251
748E	01/01/2000 02:09:00	0.006171
748E	01/01/2000 02:10:00	0.006107
748E	01/01/2000 02:11:00	0.00598
748E	01/01/2000 02:12:00	0.00574
748E	01/01/2000 02:13:00	0.005531
748E	01/01/2000 02:14:00	0.005405
748E	01/01/2000 02:15:00	0.005305
748E	01/01/2000 02:16:00	0.005234
748E	01/01/2000 02:17:00	0.005184
748E	01/01/2000 02:18:00	0.005146
748E	01/01/2000 02:19:00	0.005118
748E	01/01/2000 02:20:00	0.005097
748E	01/01/2000 02:21:00	0.005023
748E	01/01/2000 02:22:00	0.004861
748E	01/01/2000 02:23:00	0.004722
748E	01/01/2000 02:24:00	0.004648
748E	01/01/2000 02:25:00	0.004595
748E	01/01/2000 02:26:00	0.004563
748E	01/01/2000 02:27:00	0.004541
748E	01/01/2000 02:28:00	0.004527
748E	01/01/2000 02:29:00	0.004517
748E	01/01/2000 02:30:00	0.00451
748E	01/01/2000 02:31:00	0.00446
748E	01/01/2000 02:32:00	0.004337
748E	01/01/2000 02:33:00	0.004232
748E	01/01/2000 02:34:00	0.004178
748E	01/01/2000 02:35:00	0.004139
748E	01/01/2000 02:36:00	0.004117
748E	01/01/2000 02:37:00	0.004102
748E	01/01/2000 02:38:00	0.004093
748E	01/01/2000 02:39:00	0.004087
748E	01/01/2000 02:40:00	0.004084
748E	01/01/2000 02:41:00	0.004044
748E	01/01/2000 02:42:00	0.003945
748E	01/01/2000 02:43:00	0.00386
748E	01/01/2000 02:44:00	0.003816
748E	01/01/2000 02:45:00	0.003785
748E	01/01/2000 02:46:00	0.003767
748E	01/01/2000 02:47:00	0.003756
748E	01/01/2000 02:48:00	0.003749
748E	01/01/2000 02:49:00	0.003744
748E	01/01/2000 02:50:00	0.003742
748E	01/01/2000 02:51:00	0.003709
748E	01/01/2000 02:52:00	0.003626
748E	01/01/2000 02:53:00	0.003555
748E	01/01/2000 02:54:00	0.003519
748E	01/01/2000 02:55:00	0.003493
748E	01/01/2000 02:56:00	0.003478
748E	01/01/2000 02:57:00	0.003469
748E	01/01/2000 02:58:00	0.003463
748E	01/01/2000 02:59:00	0.003459
748E	01/01/2000 03:00:00	0.003457
748E	01/01/2000 03:01:00	0.003076
748E	01/01/2000 03:02:00	0.00208
748E	01/01/2000 03:03:00	0.001227
748E	01/01/2000 03:04:00	0.000787
748E	01/01/2000 03:05:00	0.000479
748E	01/01/2000 03:06:00	0.000301
748E	01/01/2000 03:07:00	0.000186
748E	01/01/2000 03:08:00	0.000116
748E	01/01/2000 03:09:00	7.2E-05
748E	01/01/2000 03:10:00	4.5E-05
748E	01/01/2000 03:11:00	2.8E-05
748E	01/01/2000 03:12:00	1.7E-05
748E	01/01/2000 03:13:00	1.1E-05
748E	01/01/2000 03:14:00	0
748E	01/01/2000 03:15:00	0
748E	01/01/2000 03:16:00	0
748E	01/01/2000 03:17:00	0
748E	01/01/2000 03:18:00	0
748E	01/01/2000 03:19:00	0
748E	01/01/2000 03:20:00	0
748E	01/01/2000 03:21:00	0
748E	01/01/2000 03:22:00	0
748E	01/01/2000 03:23:00	0
748E	01/01/2000 03:24:00	0
748E	01/01/2000 03:25:00	0
748E	01/01/2000 03:26:00	0
748E	01/01/2000 03:27:00	0
748E	01/01/2000 03:28:00	0
748E	01/01/2000 03:29:00	0
748E	01/01/2000 03:30:00	0
748E	01/01/2000 03:31:00	0
748E	01/01/2000 03:32:00	0
748E	01/01/2000 03:33:00	0
748E	01/01/2000 03:34:00	0
748E	01/01/2000 03:35:00	0
748E	01/01/2000 03:36:00	0
748E	01/01/2000 03:37:00	0
748E	01/01/2000 03:38:00	0
748E	01/01/2000 03:39:00	0
748E	01/01/2000 03:40:00	0
748E	01/01/2000 03:41:00	0
748E	01/01/2000 03:42:00	0
748E	01/01/2000 03:43:00	0
748E	01/01/2000 03:44:00	0
748E	01/01/2000 03:45:00	0
748E	01/01/2000 03:46:00	0
748E	01/01/2000 03:47:00	0
748E	01/01/2000 03:48:00	0
748E	01/01/2000 03:49:00	0
748E	01/01/2000 03:50:00	0
748E	01/01/2000 03:51:00	0
748E	01/01/2000 03:52:00	0
748E	01/01/2000 03:53:00	0
748E	01/01/2000 03:54:00	0
748E	01/01/2000 03:55:00	0
748E	01/01/2000 03:56:00	0
748E	01/01/2000 03:57:00	0
748E	01/01/2000 03:58:00	0
748E	01/01/2000 03:59:00	0
748E	01/01/2000 04:00:00	0
748E	01/01/2000 04:01:00	0
748E	01/01/2000 04:02:00	0
748E	01/01/2000 04:03:00	0
748E	01/01/2000 04:04:00	0
748E	01/01/2000 04:05:00	0
748E	01/01/2000 04:06:00	0
748E	01/01/2000 04:07:00	0
748E	01/01/2000 04:08:00	0
748E	01/01/2000 04:09:00	0
748E	01/01/2000 04:10:00	0
748E	01/01/2000 04:11:00	0
748E	01/01/2000 04:12:00	0
748E	01/01/2000 04:13:00	0
748E	01/01/2000 04:14:00	0
748E	01/01/2000 04:15:00	0
748E	01/01/2000 04:16:00	0

;Flow (m³/s)

750E	01/01/2000 00:00:00	0
750E	01/01/2000 00:01:00	0
750E	01/01/2000 00:02:00	0
750E	01/01/2000 00:03:00	0
750E	01/01/2000 00:04:00	0
750E	01/01/2000 00:05:00	0
750E	01/01/2000 00:06:00	0
750E	01/01/2000 00:07:00	0
750E	01/01/2000 00:08:00	0
750E	01/01/2000 00:09:00	0
750E	01/01/2000 00:10:00	0
750E	01/01/2000 00:11:00	0
750E	01/01/2000 00:12:00	0
750E	01/01/2000 00:13:00	0
750E	01/01/2000 00:14:00	0
750E	01/01/2000 00:15:00	0.000156
750E	01/01/2000 00:16:00	0.000578
750E	01/01/2000 00:17:00	0.001041
750E	01/01/2000 00:18:00	0.001354
750E	01/01/2000 00:19:00	0.001537
750E	01/01/2000 00:20:00	0.001639
750E	01/01/2000 00:21:00	0.001794
750E	01/01/2000 00:22:00	0.002009
750E	01/01/2000 00:23:00	0.00216
750E	01/01/2000 00:24:00	0.002251
750E	01/01/2000 00:25:00	0.002301
750E	01/01/2000 00:26:00	0.002327
750E	01/01/2000 00:27:00	0.002341
750E	01/01/2000 00:28:00	0.002348
750E	01/01/2000 00:29:00	0.002352
750E	01/01/2000 00:30:00	0.002354
750E	01/01/2000 00:31:00	0.002582
750E	01/01/2000 00:32:00	0.002997
750E	01/01/2000 00:33:00	0.003301
750E	01/01/2000 00:34:00	0.003485
750E	01/01/2000 00:35:00	0.003588
750E	01/01/2000 00:36:00	0.003644
750E	01/01/2000 00:37:00	0.003673
750E	01/01/2000 00:38:00	0.003688
750E	01/01/2000 00:39:00	0.003695
750E	01/01/2000 00:40:00	0.003699
750E	01/01/2000 00:41:00	0.004841
750E	01/01/2000 00:42:00	0.007009
750E	01/01/2000 00:43:00	0.00899
750E	01/01/2000 00:44:00	0.01077
750E	01/01/2000 00:45:00	0.012483
750E	01/01/2000 00:46:00	0.013957
750E	01/01/2000 00:47:00	0.015261
750E	01/01/2000 00:48:00	0.016442
750E	01/01/2000 00:49:00	0.017509
750E	01/01/2000 00:50:00	0.018362
750E	01/01/2000 00:51:00	0.02386
750E	01/01/2000 00:52:00	0.028
750E	01/01/2000 00:53:00	0.028
750E	01/01/2000 00:54:00	0.028
750E	01/01/2000 00:55:00	0.028
750E	01/01/2000 00:56:00	0.029
750E	01/01/2000 00:57:00	0.029

750E	01/01/2000 00:58:00	0.029
750E	01/01/2000 00:59:00	0.029
750E	01/01/2000 01:00:00	0.029
750E	01/01/2000 01:01:00	0.029
750E	01/01/2000 01:02:00	0.029
750E	01/01/2000 01:03:00	0.029
750E	01/01/2000 01:04:00	0.029
750E	01/01/2000 01:05:00	0.029
750E	01/01/2000 01:06:00	0.029
750E	01/01/2000 01:07:00	0.029
750E	01/01/2000 01:08:00	0.029
750E	01/01/2000 01:09:00	0.029
750E	01/01/2000 01:10:00	0.029
750E	01/01/2000 01:11:00	0.029
750E	01/01/2000 01:12:00	0.029
750E	01/01/2000 01:13:00	0.029
750E	01/01/2000 01:14:00	0.029
750E	01/01/2000 01:15:00	0.029
750E	01/01/2000 01:16:00	0.029
750E	01/01/2000 01:17:00	0.029
750E	01/01/2000 01:18:00	0.029
750E	01/01/2000 01:19:00	0.029
750E	01/01/2000 01:20:00	0.029
750E	01/01/2000 01:21:00	0.029
750E	01/01/2000 01:22:00	0.02857
750E	01/01/2000 01:23:00	0.027728
750E	01/01/2000 01:24:00	0.026873
750E	01/01/2000 01:25:00	0.025989
750E	01/01/2000 01:26:00	0.025258
750E	01/01/2000 01:27:00	0.024656
750E	01/01/2000 01:28:00	0.024051
750E	01/01/2000 01:29:00	0.023348
750E	01/01/2000 01:30:00	0.022726
750E	01/01/2000 01:31:00	0.022106
750E	01/01/2000 01:32:00	0.021754
750E	01/01/2000 01:33:00	0.021411
750E	01/01/2000 01:34:00	0.021049
750E	01/01/2000 01:35:00	0.020662
750E	01/01/2000 01:36:00	0.020343
750E	01/01/2000 01:37:00	0.02008
750E	01/01/2000 01:38:00	0.019864
750E	01/01/2000 01:39:00	0.019686
750E	01/01/2000 01:40:00	0.019541
750E	01/01/2000 01:41:00	0.019389
750E	01/01/2000 01:42:00	0.019229
750E	01/01/2000 01:43:00	0.019055
750E	01/01/2000 01:44:00	0.018864
750E	01/01/2000 01:45:00	0.018654
750E	01/01/2000 01:46:00	0.015939
750E	01/01/2000 01:47:00	0.010269
750E	01/01/2000 01:48:00	0.007107
750E	01/01/2000 01:49:00	0.006009
750E	01/01/2000 01:50:00	0.005589
750E	01/01/2000 01:51:00	0.005306
750E	01/01/2000 01:52:00	0.005015
750E	01/01/2000 01:53:00	0.004756
750E	01/01/2000 01:54:00	0.004514
750E	01/01/2000 01:55:00	0.004281
750E	01/01/2000 01:56:00	0.004097
750E	01/01/2000 01:57:00	0.003951
750E	01/01/2000 01:58:00	0.003836
750E	01/01/2000 01:59:00	0.003745
750E	01/01/2000 02:00:00	0.003673
750E	01/01/2000 02:01:00	0.003546
750E	01/01/2000 02:02:00	0.003366
750E	01/01/2000 02:03:00	0.003192
750E	01/01/2000 02:04:00	0.003024
750E	01/01/2000 02:05:00	0.002861
750E	01/01/2000 02:06:00	0.002731
750E	01/01/2000 02:07:00	0.002628
750E	01/01/2000 02:08:00	0.002546
750E	01/01/2000 02:09:00	0.002481
750E	01/01/2000 02:10:00	0.002429
750E	01/01/2000 02:11:00	0.002342
750E	01/01/2000 02:12:00	0.002225
750E	01/01/2000 02:13:00	0.002121
750E	01/01/2000 02:14:00	0.002033
750E	01/01/2000 02:15:00	0.001956
750E	01/01/2000 02:16:00	0.001895
750E	01/01/2000 02:17:00	0.001847
750E	01/01/2000 02:18:00	0.00181
750E	01/01/2000 02:19:00	0.00178
750E	01/01/2000 02:20:00	0.001755
750E	01/01/2000 02:21:00	0.001706
750E	01/01/2000 02:22:00	0.001638
750E	01/01/2000 02:23:00	0.001586
750E	01/01/2000 02:24:00	0.001552
750E	01/01/2000 02:25:00	0.001529
750E	01/01/2000 02:26:00	0.001516
750E	01/01/2000 02:27:00	0.001505
750E	01/01/2000 02:28:00	0.001498
750E	01/01/2000 02:29:00	0.001493
750E	01/01/2000 02:30:00	0.001489
750E	01/01/2000 02:31:00	0.001463
750E	01/01/2000 02:32:00	0.001419
750E	01/01/2000 02:33:00	0.001386
750E	01/01/2000 02:34:00	0.001365
750E	01/01/2000 02:35:00	0.001345
750E	01/01/2000 02:36:00	0.001339
750E	01/01/2000 02:37:00	0.001336
750E	01/01/2000 02:38:00	0.001334
750E	01/01/2000 02:39:00	0.001334
750E	01/01/2000 02:40:00	0.001333
750E	01/01/2000 02:41:00	0.001314
750E	01/01/2000 02:42:00	0.00128
750E	01/01/2000 02:43:00	0.001255
750E	01/01/2000 02:44:00	0.00124
750E	01/01/2000 02:45:00	0.001231
750E	01/01/2000 02:46:00	0.001227
750E	01/01/2000 02:47:00	0.001224
750E	01/01/2000 02:48:00	0.001223
750E	01/01/2000 02:49:00	0.001222
750E	01/01/2000 02:50:00	0.001222
750E	01/01/2000 02:51:00	0.001206
750E	01/01/2000 02:52:00	0.001178
750E	01/01/2000 02:53:00	0.001157
750E	01/01/2000 02:54:00	0.001144
750E	01/01/2000 02:55:00	0.001137
750E	01/01/2000 02:56:00	0.001133
750E	01/01/2000 02:57:00	0.001131
750E	01/01/2000 02:58:00	0.00113
750E	01/01/2000 02:59:00	0.00113
750E	01/01/2000 03:00:00	0.001129
750E	01/01/2000 03:01:00	0.000939
750E	01/01/2000 03:02:00	0.000592
750E	01/01/2000 03:03:00	0.000337
750E	01/01/2000 03:04:00	0.000182
750E	01/01/2000 03:05:00	9.6E-05
750E	01/01/2000 03:06:00	4.9E-05
750E	01/01/2000 03:07:00	2.5E-05
750E	01/01/2000 03:08:00	1.3E-05
750E	01/01/2000 03:09:00	0
750E	01/01/2000 03:10:00	0
750E	01/01/2000 03:11:00	0
750E	01/01/2000 03:12:00	0
750E	01/01/2000 03:13:00	0
750E	01/01/2000 03:14:00	0
750E	01/01/2000 03:15:00	0
750E	01/01/2000 03:16:00	0
750E	01/01/2000 03:17:00	0
750E	01/01/2000 03:18:00	0
750E	01/01/2000 03:19:00	0
750E	01/01/2000 03:20:00	0
750E	01/01/2000 03:21:00	0
750E	01/01/2000 03:22:00	0
750E	01/01/2000 03:23:00	0
750E	01/01/2000 03:24:00	0
750E	01/01/2000 03:25:00	0
750E	01/01/2000 03:26:00	0
750E	01/01/2000 03:27:00	0
750E	01/01/2000 03:28:00	0
750E	01/01/2000 03:29:00	0
750E	01/01/2000 03:30:00	0
750E	01/01/2000 03:31:00	0
750E	01/01/2000 03:32:00	0
750E	01/01/2000 03:33:00	0
750E	01/01/2000 03:34:00	0
750E	01/01/2000 03:35:00	0
750E	01/01/2000 03:36:00	0
750E	01/01/2000 03:37:00	0
750E	01/01/2000 03:38:00	0
750E	01/01/2000 03:39:00	0
750E	01/01/2000 03:40:00	0
750E	01/01/2000 03:41:00	0
750E	01/01/2000 03:42:00	0
750E	01/01/2000 03:43:00	0
750E	01/01/2000 03:44:00	0
750E	01/01/2000 03:45:00	0
750E	01/01/2000 03:46:00	0
750E	01/01/2000 03:47:00	0
750E	01/01/2000 03:48:00	0
750E	01/01/2000 03:49:00	0
750E	01/01/2000 03:50:00	0
750E	01/01/2000 03:51:00	0
750E	01/01/2000 03:52:00	0
750E	01/01/2000 03:53:00	0
750E	01/01/2000 03:54:00	0
750E	01/01/2000 03:55:00	0
750E	01/01/2000 03:56:00	0
750E	01/01/2000 03:57:00	0
750E	01/01/2000 03:58:00	0
750E	01/01/2000 03:59:00	0
750E	01/01/2000 04:00:00	0
750E	01/01/2000 04:01:00	0
750E	01/01/2000 04:02:00	0
750E	01/01/2000 04:03:00	0
750E	01/01/2000 04:04:00	0
750E	01/01/2000 04:05:00	0
750E	01/01/2000 04:06:00	0
750E	01/01/2000 04:07:00	0
750E	01/01/2000 04:08:00	0
750E	01/01/2000 04:09:00	0
750E	01/01/2000 04:10:00	0
750E	01/01/2000 04:11:00	0
750E	01/01/2000 04:12:00	0
750E	01/01/2000 04:13:00	0
750E	01/01/2000 04:14:00	0
750E	01/01/2000 04:15:00	0
750E	01/01/2000 04:16:00	0

;Flow (m³/s)

750S	01/01/2000 00:00:00	0
750S	01/01/2000 00:01:00	0
750S	01/01/2000 00:02:00	0
750S	01/01/2000 00:03:00	0
750S	01/01/2000 00:04:00	0
750S	01/01/2000 00:05:00	0
750S	01/01/2000 00:06:00	0
750S	01/01/2000 00:07:00	0
750S	01/01/2000 00:08:00	0
750S	01/01/2000 00:09:00	0
750S	01/01/2000 00:10:00	0
750S	01/01/2000 00:11:00	0
750S	01/01/2000 00:12:00	0
750S	01/01/2000 00:13:00	0
750S	01/01/2000 00:14:00	0
750S	01/01/2000 00:15:00	0.000345
750S	01/01/2000 00:16:00	0.000935
750S	01/01/2000 00:17:00	0.001229
750S	01/01/2000 00:18:00	0.001337
750S	01/01/2000 00:19:00	0.001398
750S	01/01/2000 00:20:00	0.001417
750S	01/01/2000 00:21:00	0.001657
750S	01/01/2000 00:22:00	0.001845
750S	01/01/2000 00:23:00	0.001876
750S	01/01/2000 00:24:00	0.001922
750S	01/01/2000 00:25:00	0.001922
750S	01/01/2000 00:26:00	0.001935
750S	01/01/2000 00:27:00	0.001932
750S	01/01/2000 00:28:00	0.001936
750S	01/01/2000 00:29:00	0.001935
750S	01/01/2000 00:30:00	0.001936
750S	01/01/2000 00:31:00	0.00244
750S	01/01/2000 00:32:00	0.00285
750S	01/01/2000 00:33:00	0.002912
750S	01/01/2000 00:34:00	0.003017
750S	01/01/2000 00:35:00	0.003024
750S	01/01/2000 00:36:00	0.003076
750S	01/01/2000 00:37:00	0.003113
750S	01/01/2000 00:38:00	0.003189
750S	01/01/2000 00:39:00	0.003282
750S	01/01/2000 00:40:00	0.003412
750S	01/01/2000 00:41:00	0.005807
750S	01/01/2000 00:42:00	0.008018
750S	01/01/2000 00:43:00	0.009005
750S	01/01/2000 00:44:00	0.010453
750S	01/01/2000 00:45:00	0.011665
750S	01/01/2000 00:46:00	0.013174
750S	01/01/2000 00:47:00	0.014724
750S	01/01/2000 00:48:00	0.0165
750S	01/01/2000 00:49:00	0.018383
750S	01/01/2000 00:50:00	0.02043
750S	01/01/2000 00:51:00	0.036165
750S	01/01/2000 00:52:00	0.052752
750S	01/01/2000 00:53:00	0.064583
750S	01/01/2000 00:54:00	0.078637
750S	01/01/2000 00:55:00	0.082557
750S	01/01/2000 00:56:00	0.086147
750S	01/01/2000 00:57:00	0.088447
750S	01/01/2000 00:58:00	0.090508
750S	01/01/2000 00:59:00	0.097989
750S	01/01/2000 01:00:00	0.127489
750S	01/01/2000 01:01:00	0.160652
750S	01/01/2000 01:02:00	0.175765
750S	01/01/2000 01:03:00	0.177954
750S	01/01/2000 01:04:00	0.181
750S	01/01/2000 01:05:00	0.182185
750S	01/01/2000 01:06:00	0.18315
750S	01/01/2000 01:07:00	0.183805
750S	01/01/2000 01:08:00	0.184166
750S	01/01/2000 01:09:00	0.184418
750S	01/01/2000 01:10:00	0.184654
750S	01/01/2000 01:11:00	0.184857
750S	01/01/2000 01:12:00	0.185004
750S	01/01/2000 01:13:00	0.185082
750S	01/01/2000 01:14:00	0.18507
750S	01/01/2000 01:15:00	0.184974
750S	01/01/2000 01:16:00	0.184815
750S	01/01/2000 01:17:00	0.184603
750S	01/01/2000 01:18:00	0.184355
750S	01/01/2000 01:19:00	0.184092
750S	01/01/2000 01:20:00	0.183704
750S	01/01/2000 01:21:00	0.18325
750S	01/01/2000 01:22:00	0.183
750S	01/01/2000 01:23:00	0.182397
750S	01/01/2000 01:24:00	0.182
750S	01/01/2000 01:25:00	0.181088
750S	01/01/2000 01:26:00	0.179894
750S	01/01/2000 01:27:00	0.177142
750S	01/01/2000 01:28:00	0.087851
750S	01/01/2000 01:29:00	0.031
750S	01/01/2000 01:30:00	0.04698
750S	01/01/2000 01:31:00	0.031
750S	01/01/2000 01:32:00	0.038975
750S	01/01/2000 01:33:00	0.033515
750S	01/01/2000 01:34:00	0.036583
750S	01/01/2000 01:35:00	0.034368
750S	01/01/2000 01:36:00	0.035551

750S	01/01/2000 01:37:00	0.034657
750S	01/01/2000 01:38:00	0.035106
750S	01/01/2000 01:39:00	0.03474
750S	01/01/2000 01:40:00	0.034907
750S	01/01/2000 01:41:00	0.034505
750S	01/01/2000 01:42:00	0.034335
750S	01/01/2000 01:43:00	0.034182
750S	01/01/2000 01:44:00	0.034072
750S	01/01/2000 01:45:00	0.033974
750S	01/01/2000 01:46:00	0.033916
750S	01/01/2000 01:47:00	0.033865
750S	01/01/2000 01:48:00	0.033832
750S	01/01/2000 01:49:00	0.033804
750S	01/01/2000 01:50:00	0.033785
750S	01/01/2000 01:51:00	0.033604
750S	01/01/2000 01:52:00	0.033441
750S	01/01/2000 01:53:00	0.033372
750S	01/01/2000 01:54:00	0.033279
750S	01/01/2000 01:55:00	0.033227
750S	01/01/2000 01:56:00	0.033181
750S	01/01/2000 01:57:00	0.034259
750S	01/01/2000 01:58:00	0.037775
750S	01/01/2000 01:59:00	0.038091
750S	01/01/2000 02:00:00	0.036765
750S	01/01/2000 02:01:00	0.036432
750S	01/01/2000 02:02:00	0.035468
750S	01/01/2000 02:03:00	0.035001
750S	01/01/2000 02:04:00	0.034255
750S	01/01/2000 02:05:00	0.033716
750S	01/01/2000 02:06:00	0.033091
750S	01/01/2000 02:07:00	0.032686
750S	01/01/2000 02:08:00	0.032601
750S	01/01/2000 02:09:00	0.032631
750S	01/01/2000 02:10:00	0.032594
750S	01/01/2000 02:11:00	0.03252
750S	01/01/2000 02:12:00	0.032433
750S	01/01/2000 02:13:00	0.032421
750S	01/01/2000 02:14:00	0.03239
750S	01/01/2000 02:15:00	0.032384
750S	01/01/2000 02:16:00	0.032372
750S	01/01/2000 02:17:00	0.032369
750S	01/01/2000 02:18:00	0.032363
750S	01/01/2000 02:19:00	0.032361
750S	01/01/2000 02:20:00	0.032357
750S	01/01/2000 02:21:00	0.032292
750S	01/01/2000 02:22:00	0.032239
750S	01/01/2000 02:23:00	0.03223
750S	01/01/2000 02:24:00	0.032216
750S	01/01/2000 02:25:00	0.032216
750S	01/01/2000 02:26:00	0.032212
750S	01/01/2000 02:27:00	0.032212
750S	01/01/2000 02:28:00	0.03221
750S	01/01/2000 02:29:00	0.032211
750S	01/01/2000 02:30:00	0.03221
750S	01/01/2000 02:31:00	0.032159
750S	01/01/2000 02:32:00	0.032117
750S	01/01/2000 02:33:00	0.032111
750S	01/01/2000 02:34:00	0.032101
750S	01/01/2000 02:35:00	0.032101
750S	01/01/2000 02:36:00	0.032098
750S	01/01/2000 02:37:00	0.032098
750S	01/01/2000 02:38:00	0.032098
750S	01/01/2000 02:39:00	0.032098
750S	01/01/2000 02:40:00	0.032098
750S	01/01/2000 02:41:00	0.032056
750S	01/01/2000 02:42:00	0.032022
750S	01/01/2000 02:43:00	0.032017
750S	01/01/2000 02:44:00	0.032008
750S	01/01/2000 02:45:00	0.032009
750S	01/01/2000 02:46:00	0.032006
750S	01/01/2000 02:47:00	0.032007
750S	01/01/2000 02:48:00	0.032006
750S	01/01/2000 02:49:00	0.032006
750S	01/01/2000 02:50:00	0.032006
750S	01/01/2000 02:51:00	0.031971
750S	01/01/2000 02:52:00	0.031943
750S	01/01/2000 02:53:00	0.031939
750S	01/01/2000 02:54:00	0.031932
750S	01/01/2000 02:55:00	0.031932
750S	01/01/2000 02:56:00	0.03193
750S	01/01/2000 02:57:00	0.03193
750S	01/01/2000 02:58:00	0.03193
750S	01/01/2000 02:59:00	0.03193
750S	01/01/2000 03:00:00	0.03193
750S	01/01/2000 03:01:00	0.031506
750S	01/01/2000 03:02:00	0.031162
750S	01/01/2000 03:03:00	0.03111
750S	01/01/2000 03:04:00	0.031024
750S	01/01/2000 03:05:00	0.031026
750S	01/01/2000 03:06:00	0.031002
750S	01/01/2000 03:07:00	0.031007
750S	01/01/2000 03:08:00	0.031
750S	01/01/2000 03:09:00	0.031002
750S	01/01/2000 03:10:00	0.031
750S	01/01/2000 03:11:00	0.031
750S	01/01/2000 03:12:00	0.031
750S	01/01/2000 03:13:00	0.031
750S	01/01/2000 03:14:00	0.031
750S	01/01/2000 03:15:00	0.031
750S	01/01/2000 03:16:00	0.031
750S	01/01/2000 03:17:00	0.031
750S	01/01/2000 03:18:00	0.031
750S	01/01/2000 03:19:00	0.031
750S	01/01/2000 03:20:00	0.031
750S	01/01/2000 03:21:00	0.031
750S	01/01/2000 03:22:00	0.031
750S	01/01/2000 03:23:00	0.031
750S	01/01/2000 03:24:00	0.031
750S	01/01/2000 03:25:00	0.031
750S	01/01/2000 03:26:00	0.031
750S	01/01/2000 03:27:00	0.031
750S	01/01/2000 03:28:00	0.031
750S	01/01/2000 03:29:00	0.031
750S	01/01/2000 03:30:00	0.031
750S	01/01/2000 03:31:00	0.031
750S	01/01/2000 03:32:00	0.031
750S	01/01/2000 03:33:00	0.031
750S	01/01/2000 03:34:00	0.031
750S	01/01/2000 03:35:00	0.031
750S	01/01/2000 03:36:00	0.031
750S	01/01/2000 03:37:00	0.031
750S	01/01/2000 03:38:00	0.031
750S	01/01/2000 03:39:00	0.031
750S	01/01/2000 03:40:00	0.031
750S	01/01/2000 03:41:00	0.031
750S	01/01/2000 03:42:00	0.031
750S	01/01/2000 03:43:00	0.031
750S	01/01/2000 03:44:00	0.031
750S	01/01/2000 03:45:00	0.031
750S	01/01/2000 03:46:00	0.031
750S	01/01/2000 03:47:00	0.031
750S	01/01/2000 03:48:00	0.031
750S	01/01/2000 03:49:00	0.031
750S	01/01/2000 03:50:00	0.031
750S	01/01/2000 03:51:00	0.031
750S	01/01/2000 03:52:00	0.031
750S	01/01/2000 03:53:00	0.031
750S	01/01/2000 03:54:00	0.031
750S	01/01/2000 03:55:00	0.031
750S	01/01/2000 03:56:00	0.031
750S	01/01/2000 03:57:00	0.031
750S	01/01/2000 03:58:00	0.031
750S	01/01/2000 03:59:00	0.031
750S	01/01/2000 04:00:00	0.031
750S	01/01/2000 04:01:00	0.031
750S	01/01/2000 04:02:00	0.031
750S	01/01/2000 04:03:00	0.031
750S	01/01/2000 04:04:00	0.031
750S	01/01/2000 04:05:00	0.031
750S	01/01/2000 04:06:00	0.031
750S	01/01/2000 04:07:00	0.031
750S	01/01/2000 04:08:00	0.031
750S	01/01/2000 04:09:00	0.031
750S	01/01/2000 04:10:00	0.031
750S	01/01/2000 04:11:00	0.031
750S	01/01/2000 04:12:00	0.031
750S	01/01/2000 04:13:00	0.031
750S	01/01/2000 04:14:00	0.031
750S	01/01/2000 04:15:00	0.031
750S	01/01/2000 04:16:00	0.031

;Flow (m³/s)

751	01/01/2000 00:00:00	0
751	01/01/2000 00:01:00	0
751	01/01/2000 00:02:00	0
751	01/01/2000 00:03:00	0
751	01/01/2000 00:04:00	0
751	01/01/2000 00:05:00	0
751	01/01/2000 00:06:00	0
751	01/01/2000 00:07:00	0
751	01/01/2000 00:08:00	0
751	01/01/2000 00:09:00	0
751	01/01/2000 00:10:00	0
751	01/01/2000 00:11:00	0
751	01/01/2000 00:12:00	0
751	01/01/2000 00:13:00	0
751	01/01/2000 00:14:00	0
751	01/01/2000 00:15:00	1E-06
751	01/01/2000 00:16:00	5E-06
751	01/01/2000 00:17:00	8E-06
751	01/01/2000 00:18:00	1E-05
751	01/01/2000 00:19:00	1.1E-05
751	01/01/2000 00:20:00	1.2E-05
751	01/01/2000 00:21:00	1.3E-05
751	01/01/2000 00:22:00	1.4E-05
751	01/01/2000 00:23:00	1.5E-05
751	01/01/2000 00:24:00	1.6E-05
751	01/01/2000 00:25:00	1.6E-05
751	01/01/2000 00:26:00	1.6E-05
751	01/01/2000 00:27:00	1.6E-05
751	01/01/2000 00:28:00	1.6E-05
751	01/01/2000 00:29:00	1.6E-05
751	01/01/2000 00:30:00	1.6E-05
751	01/01/2000 00:31:00	1.8E-05
751	01/01/2000 00:32:00	2.2E-05
751	01/01/2000 00:33:00	2.3E-05
751	01/01/2000 00:34:00	2.5E-05
751	01/01/2000 00:35:00	2.5E-05
751	01/01/2000 00:36:00	2.5E-05
751	01/01/2000 00:37:00	2.6E-05
751	01/01/2000 00:38:00	2.6E-05
751	01/01/2000 00:39:00	2.6E-05
751	01/01/2000 00:40:00	2.6E-05
751	01/01/2000 00:41:00	0.000358
751	01/01/2000 00:42:00	0.001079
751	01/01/2000 00:43:00	0.002225
751	01/01/2000 00:44:00	0.00385
751	01/01/2000 00:45:00	0.005999
751	01/01/2000 00:46:00	0.008338
751	01/01/2000 00:47:00	0.010646
751	01/01/2000 00:48:00	0.012904
751	01/01/2000 00:49:00	0.015099
751	01/01/2000 00:50:00	0.017223
751	01/01/2000 00:51:00	0.024177
751	01/01/2000 00:52:00	0.034672
751	01/01/2000 00:53:00	0.038
751	01/01/2000 00:54:00	0.038
751	01/01/2000 00:55:00	0.038
751	01/01/2000 00:56:00	0.038
751	01/01/2000 00:57:00	0.038
751	01/01/2000 00:58:00	0.038
751	01/01/2000 00:59:00	0.038
751	01/01/2000 01:00:00	0.038
751	01/01/2000 01:01:00	0.038
751	01/01/2000 01:02:00	0.038
751	01/01/2000 01:03:00	0.038
751	01/01/2000 01:04:00	0.038
751	01/01/2000 01:05:00	0.038
751	01/01/2000 01:06:00	0.038
751	01/01/2000 01:07:00	0.038
751	01/01/2000 01:08:00	0.038
751	01/01/2000 01:09:00	0.038
751	01/01/2000 01:10:00	0.038
751	01/01/2000 01:11:00	0.038
751	01/01/2000 01:12:00	0.038
751	01/01/2000 01:13:00	0.038
751	01/01/2000 01:14:00	0.038
751	01/01/2000 01:15:00	0.038
751	01/01/2000 01:16:00	0.038
751	01/01/2000 01:17:00	0.038
751	01/01/2000 01:18:00	0.038
751	01/01/2000 01:19:00	0.038
751	01/01/2000 01:20:00	0.038
751	01/01/2000 01:21:00	0.038
751	01/01/2000 01:22:00	0.038
751	01/01/2000 01:23:00	0.036595
751	01/01/2000 01:24:00	0.03496
751	01/01/2000 01:25:00	0.03199
751	01/01/2000 01:26:00	0.029308
751	01/01/2000 01:27:00	0.027072
751	01/01/2000 01:28:00	0.025209
751	01/01/2000 01:29:00	0.023658
751	01/01/2000 01:30:00	0.022368
751	01/01/2000 01:31:00	0.021137
751	01/01/2000 01:32:00	0.019929
751	01/01/2000 01:33:00	0.018716
751	01/01/2000 01:34:00	0.017472
751	01/01/2000 01:35:00	0.016177
751	01/01/2000 01:36:00	0.014998
751	01/01/2000 01:37:00	0.014015
751	01/01/2000 01:38:00	0.013197
751	01/01/2000 01:39:00	0.012518
751	01/01/2000 01:40:00	0.011954
751	01/01/2000 01:41:00	0.011391
751	01/01/2000 01:42:00	0.010814
751	01/01/2000 01:43:00	0.01021
751	01/01/2000 01:44:00	0.009569
751	01/01/2000 01:45:00	0.008881
751	01/01/2000 01:46:00	0.008247
751	01/01/2000 01:47:00	0.007719
751	01/01/2000 01:48:00	0.007279
751	01/01/2000 01:49:00	0.006914
751	01/01/2000 01:50:00	0.00661
751	01/01/2000 01:51:00	0.006294
751	01/01/2000 01:52:00	0.005959
751	01/01/2000 01:53:00	0.005598
751	01/01/2000 01:54:00	0.005205
751	01/01/2000 01:55:00	0.004774
751	01/01/2000 01:56:00	0.004376
751	01/01/2000 01:57:00	0.004043
751	01/01/2000 01:58:00	0.003765
751	01/01/2000 01:59:00	0.003533
751	01/01/2000 02:00:00	0.003341
751	01/01/2000 02:01:00	0.003135
751	01/01/2000 02:02:00	0.002912
751	01/01/2000 02:03:00	0.002667
751	01/01/2000 02:04:00	0.002398
751	01/01/2000 02:05:00	0.002099
751	01/01/2000 02:06:00	0.001821
751	01/01/2000 02:07:00	0.001589
751	01/01/2000 02:08:00	0.001394
751	01/01/2000 02:09:00	0.001232
751	01/01/2000 02:10:00	0.001096
751	01/01/2000 02:11:00	0.000975
751	01/01/2000 02:12:00	0.000863
751	01/01/2000 02:13:00	0.000759
751	01/01/2000 02:14:00	0.00066
751	01/01/2000 02:15:00	0.000564

751	01/01/2000 02:16:00	0.000477
751	01/01/2000 02:17:00	0.000404
751	01/01/2000 02:18:00	0.000343
751	01/01/2000 02:19:00	0.000291
751	01/01/2000 02:20:00	0.000247
751	01/01/2000 02:21:00	0.00021
751	01/01/2000 02:22:00	0.000179
751	01/01/2000 02:23:00	0.000153
751	01/01/2000 02:24:00	0.00013
751	01/01/2000 02:25:00	0.000112
751	01/01/2000 02:26:00	9.6E-05
751	01/01/2000 02:27:00	8.3E-05
751	01/01/2000 02:28:00	7.1E-05
751	01/01/2000 02:29:00	6.2E-05
751	01/01/2000 02:30:00	5.4E-05
751	01/01/2000 02:31:00	4.7E-05
751	01/01/2000 02:32:00	4.1E-05
751	01/01/2000 02:33:00	3.6E-05
751	01/01/2000 02:34:00	3.2E-05
751	01/01/2000 02:35:00	2.8E-05
751	01/01/2000 02:36:00	2.5E-05
751	01/01/2000 02:37:00	2.3E-05
751	01/01/2000 02:38:00	2.1E-05
751	01/01/2000 02:39:00	1.9E-05
751	01/01/2000 02:40:00	1.7E-05
751	01/01/2000 02:41:00	1.6E-05
751	01/01/2000 02:42:00	1.5E-05
751	01/01/2000 02:43:00	1.4E-05
751	01/01/2000 02:44:00	1.3E-05
751	01/01/2000 02:45:00	1.2E-05
751	01/01/2000 02:46:00	1.1E-05
751	01/01/2000 02:47:00	1.1E-05
751	01/01/2000 02:48:00	1.1E-05
751	01/01/2000 02:49:00	1E-05
751	01/01/2000 02:50:00	0
751	01/01/2000 02:51:00	0
751	01/01/2000 02:52:00	0
751	01/01/2000 02:53:00	0
751	01/01/2000 02:54:00	0
751	01/01/2000 02:55:00	0
751	01/01/2000 02:56:00	0
751	01/01/2000 02:57:00	0
751	01/01/2000 02:58:00	0
751	01/01/2000 02:59:00	0
751	01/01/2000 03:00:00	0
751	01/01/2000 03:01:00	0
751	01/01/2000 03:02:00	0
751	01/01/2000 03:03:00	0
751	01/01/2000 03:04:00	0
751	01/01/2000 03:05:00	0
751	01/01/2000 03:06:00	0
751	01/01/2000 03:07:00	0
751	01/01/2000 03:08:00	0
751	01/01/2000 03:09:00	0
751	01/01/2000 03:10:00	0
751	01/01/2000 03:11:00	0
751	01/01/2000 03:12:00	0
751	01/01/2000 03:13:00	0
751	01/01/2000 03:14:00	0
751	01/01/2000 03:15:00	0
751	01/01/2000 03:16:00	0
751	01/01/2000 03:17:00	0
751	01/01/2000 03:18:00	0
751	01/01/2000 03:19:00	0
751	01/01/2000 03:20:00	0
751	01/01/2000 03:21:00	0
751	01/01/2000 03:22:00	0
751	01/01/2000 03:23:00	0
751	01/01/2000 03:24:00	0
751	01/01/2000 03:25:00	0
751	01/01/2000 03:26:00	0
751	01/01/2000 03:27:00	0
751	01/01/2000 03:28:00	0
751	01/01/2000 03:29:00	0
751	01/01/2000 03:30:00	0
751	01/01/2000 03:31:00	0
751	01/01/2000 03:32:00	0
751	01/01/2000 03:33:00	0
751	01/01/2000 03:34:00	0
751	01/01/2000 03:35:00	0
751	01/01/2000 03:36:00	0
751	01/01/2000 03:37:00	0
751	01/01/2000 03:38:00	0
751	01/01/2000 03:39:00	0
751	01/01/2000 03:40:00	0
751	01/01/2000 03:41:00	0
751	01/01/2000 03:42:00	0
751	01/01/2000 03:43:00	0
751	01/01/2000 03:44:00	0
751	01/01/2000 03:45:00	0
751	01/01/2000 03:46:00	0
751	01/01/2000 03:47:00	0
751	01/01/2000 03:48:00	0
751	01/01/2000 03:49:00	0
751	01/01/2000 03:50:00	0
751	01/01/2000 03:51:00	0
751	01/01/2000 03:52:00	0
751	01/01/2000 03:53:00	0
751	01/01/2000 03:54:00	0
751	01/01/2000 03:55:00	0
751	01/01/2000 03:56:00	0
751	01/01/2000 03:57:00	0
751	01/01/2000 03:58:00	0
751	01/01/2000 03:59:00	0
751	01/01/2000 04:00:00	0
751	01/01/2000 04:01:00	0
751	01/01/2000 04:02:00	0
751	01/01/2000 04:03:00	0
751	01/01/2000 04:04:00	0
751	01/01/2000 04:05:00	0
751	01/01/2000 04:06:00	0
751	01/01/2000 04:07:00	0
751	01/01/2000 04:08:00	0
751	01/01/2000 04:09:00	0
751	01/01/2000 04:10:00	0
751	01/01/2000 04:11:00	0
751	01/01/2000 04:12:00	0
751	01/01/2000 04:13:00	0
751	01/01/2000 04:14:00	0
751	01/01/2000 04:15:00	0
751	01/01/2000 04:16:00	0

;Flow (m^3/s)

752	01/01/2000 00:00:00	0
752	01/01/2000 00:01:00	0
752	01/01/2000 00:02:00	0
752	01/01/2000 00:03:00	0
752	01/01/2000 00:04:00	0
752	01/01/2000 00:05:00	0
752	01/01/2000 00:06:00	0
752	01/01/2000 00:07:00	0
752	01/01/2000 00:08:00	0
752	01/01/2000 00:09:00	0
752	01/01/2000 00:10:00	0
752	01/01/2000 00:11:00	0
752	01/01/2000 00:12:00	0
752	01/01/2000 00:13:00	0
752	01/01/2000 00:14:00	0
752	01/01/2000 00:15:00	0.000158
752	01/01/2000 00:16:00	0.000686
752	01/01/2000 00:17:00	0.001313
752	01/01/2000 00:18:00	0.001688
752	01/01/2000 00:19:00	0.001888
752	01/01/2000 00:20:00	0.002007
752	01/01/2000 00:21:00	0.002175
752	01/01/2000 00:22:00	0.002467
752	01/01/2000 00:23:00	0.002672
752	01/01/2000 00:24:00	0.002765
752	01/01/2000 00:25:00	0.00283
752	01/01/2000 00:26:00	0.00286
752	01/01/2000 00:27:00	0.00288
752	01/01/2000 00:28:00	0.00289
752	01/01/2000 00:29:00	0.002896
752	01/01/2000 00:30:00	0.002899
752	01/01/2000 00:31:00	0.003132
752	01/01/2000 00:32:00	0.003698
752	01/01/2000 00:33:00	0.004109
752	01/01/2000 00:34:00	0.004289
752	01/01/2000 00:35:00	0.004419
752	01/01/2000 00:36:00	0.004477
752	01/01/2000 00:37:00	0.004518
752	01/01/2000 00:38:00	0.004537
752	01/01/2000 00:39:00	0.00455
752	01/01/2000 00:40:00	0.004556
752	01/01/2000 00:41:00	0.005622
752	01/01/2000 00:42:00	0.008237
752	01/01/2000 00:43:00	0.010323
752	01/01/2000 00:44:00	0.011591
752	01/01/2000 00:45:00	0.012663
752	01/01/2000 00:46:00	0.013389
752	01/01/2000 00:47:00	0.014033
752	01/01/2000 00:48:00	0.014553
752	01/01/2000 00:49:00	0.015003
752	01/01/2000 00:50:00	0.015453
752	01/01/2000 00:51:00	0.022554
752	01/01/2000 00:52:00	0.040327
752	01/01/2000 00:53:00	0.065561
752	01/01/2000 00:54:00	0.093948
752	01/01/2000 00:55:00	0.114334
752	01/01/2000 00:56:00	0.115548
752	01/01/2000 00:57:00	0.118172
752	01/01/2000 00:58:00	0.119387
752	01/01/2000 00:59:00	0.12
752	01/01/2000 01:00:00	0.120393
752	01/01/2000 01:01:00	0.120673
752	01/01/2000 01:02:00	0.120713
752	01/01/2000 01:03:00	0.120601
752	01/01/2000 01:04:00	0.120431
752	01/01/2000 01:05:00	0.120346
752	01/01/2000 01:06:00	0.12048
752	01/01/2000 01:07:00	0.120808
752	01/01/2000 01:08:00	0.12111
752	01/01/2000 01:09:00	0.121313
752	01/01/2000 01:10:00	0.121502
752	01/01/2000 01:11:00	0.121672
752	01/01/2000 01:12:00	0.121805
752	01/01/2000 01:13:00	0.121881
752	01/01/2000 01:14:00	0.121889
752	01/01/2000 01:15:00	0.121822
752	01/01/2000 01:16:00	0.121687
752	01/01/2000 01:17:00	0.121494
752	01/01/2000 01:18:00	0.12126
752	01/01/2000 01:19:00	0.121
752	01/01/2000 01:20:00	0.120539
752	01/01/2000 01:21:00	0.120073
752	01/01/2000 01:22:00	0.12
752	01/01/2000 01:23:00	0.119847
752	01/01/2000 01:24:00	0.119
752	01/01/2000 01:25:00	0.118734
752	01/01/2000 01:26:00	0.117201
752	01/01/2000 01:27:00	0.115
752	01/01/2000 01:28:00	0.046411
752	01/01/2000 01:29:00	0
752	01/01/2000 01:30:00	0.01345
752	01/01/2000 01:31:00	0.005606
752	01/01/2000 01:32:00	0.00914
752	01/01/2000 01:33:00	0.006317
752	01/01/2000 01:34:00	0.007199
752	01/01/2000 01:35:00	0.006185
752	01/01/2000 01:36:00	0.006371
752	01/01/2000 01:37:00	0.005996
752	01/01/2000 01:38:00	0.006002
752	01/01/2000 01:39:00	0.005849
752	01/01/2000 01:40:00	0.005821
752	01/01/2000 01:41:00	0.005622
752	01/01/2000 01:42:00	0.005278
752	01/01/2000 01:43:00	0.004968
752	01/01/2000 01:44:00	0.00475
752	01/01/2000 01:45:00	0.004567
752	01/01/2000 01:46:00	0.004453
752	01/01/2000 01:47:00	0.004361
752	01/01/2000 01:48:00	0.004297
752	01/01/2000 01:49:00	0.004247
752	01/01/2000 01:50:00	0.004211
752	01/01/2000 01:51:00	0.004096
752	01/01/2000 01:52:00	0.003864
752	01/01/2000 01:53:00	0.003666
752	01/01/2000 01:54:00	0.00352
752	01/01/2000 01:55:00	0.003402
752	01/01/2000 01:56:00	0.003326
752	01/01/2000 01:57:00	0.003265
752	01/01/2000 01:58:00	0.003223
752	01/01/2000 01:59:00	0.00319
752	01/01/2000 02:00:00	0.003165
752	01/01/2000 02:01:00	0.003085
752	01/01/2000 02:02:00	0.00292
752	01/01/2000 02:03:00	0.002779
752	01/01/2000 02:04:00	0.002676
752	01/01/2000 02:05:00	0.002592
752	01/01/2000 02:06:00	0.002537
752	01/01/2000 02:07:00	0.002494
752	01/01/2000 02:08:00	0.002464
752	01/01/2000 02:09:00	0.002439
752	01/01/2000 02:10:00	0.002422
752	01/01/2000 02:11:00	0.002368
752	01/01/2000 02:12:00	0.002261
752	01/01/2000 02:13:00	0.002179
752	01/01/2000 02:14:00	0.002134
752	01/01/2000 02:15:00	0.002099
752	01/01/2000 02:16:00	0.00208
752	01/01/2000 02:17:00	0.002064
752	01/01/2000 02:18:00	0.002055
752	01/01/2000 02:19:00	0.002047
752	01/01/2000 02:20:00	0.002042
752	01/01/2000 02:21:00	0.002009
752	01/01/2000 02:22:00	0.001935
752	01/01/2000 02:23:00	0.00188
752	01/01/2000 02:24:00	0.001856
752	01/01/2000 02:25:00	0.001838
752	01/01/2000 02:26:00	0.00183
752	01/01/2000 02:27:00	0.001824
752	01/01/2000 02:28:00	0.00182
752	01/01/2000 02:29:00	0.001818
752	01/01/2000 02:30:00	0.001817
752	01/01/2000 02:31:00	0.001793
752	01/01/2000 02:32:00	0.001735
752	01/01/2000 02:33:00	0.001693
752	01/01/2000 02:34:00	0.001675
752	01/01/2000 02:35:00	0.001662
752	01/01/2000 02:36:00	0.001656
752	01/01/2000 02:37:00	0.001651
752	01/01/2000 02:38:00	0.001649
752	01/01/2000 02:39:00	0.001648
752	01/01/2000 02:40:00	0.001647
752	01/01/2000 02:41:00	0.001628
752	01/01/2000 02:42:00	0.001581
752	01/01/2000 02:43:00	0.001547
752	01/01/2000 02:44:00	0.001532
752	01/01/2000 02:45:00	0.001521
752	01/01/2000 02:46:00	0.001516
752	01/01/2000 02:47:00	0.001513
752	01/01/2000 02:48:00	0.001511
752	01/01/2000 02:49:00	0.00151
752	01/01/2000 02:50:00	0.00151
752	01/01/2000 02:51:00	0.001494
752	01/01/2000 02:52:00	0.001455
752	01/01/2000 02:53:00	0.001426
752	01/01/2000 02:54:00	0.001414

752	01/01/2000 02:55:00	0.001405
752	01/01/2000 02:56:00	0.001401
752	01/01/2000 02:57:00	0.001398
752	01/01/2000 02:58:00	0.001397
752	01/01/2000 02:59:00	0.001396
752	01/01/2000 03:00:00	0.001395
752	01/01/2000 03:01:00	0.001201
752	01/01/2000 03:02:00	0.000727
752	01/01/2000 03:03:00	0.000382
752	01/01/2000 03:04:00	0.000231
752	01/01/2000 03:05:00	0.000122
752	01/01/2000 03:06:00	7.3E-05
752	01/01/2000 03:07:00	3.9E-05
752	01/01/2000 03:08:00	2.3E-05
752	01/01/2000 03:09:00	1.2E-05
752	01/01/2000 03:10:00	0
752	01/01/2000 03:11:00	0
752	01/01/2000 03:12:00	0
752	01/01/2000 03:13:00	0
752	01/01/2000 03:14:00	0
752	01/01/2000 03:15:00	0
752	01/01/2000 03:16:00	0
752	01/01/2000 03:17:00	0
752	01/01/2000 03:18:00	0
752	01/01/2000 03:19:00	0
752	01/01/2000 03:20:00	0
752	01/01/2000 03:21:00	0
752	01/01/2000 03:22:00	0
752	01/01/2000 03:23:00	0
752	01/01/2000 03:24:00	0
752	01/01/2000 03:25:00	0
752	01/01/2000 03:26:00	0
752	01/01/2000 03:27:00	0
752	01/01/2000 03:28:00	0
752	01/01/2000 03:29:00	0
752	01/01/2000 03:30:00	0
752	01/01/2000 03:31:00	0
752	01/01/2000 03:32:00	0
752	01/01/2000 03:33:00	0
752	01/01/2000 03:34:00	0
752	01/01/2000 03:35:00	0
752	01/01/2000 03:36:00	0
752	01/01/2000 03:37:00	0
752	01/01/2000 03:38:00	0
752	01/01/2000 03:39:00	0
752	01/01/2000 03:40:00	0
752	01/01/2000 03:41:00	0
752	01/01/2000 03:42:00	0
752	01/01/2000 03:43:00	0
752	01/01/2000 03:44:00	0
752	01/01/2000 03:45:00	0
752	01/01/2000 03:46:00	0
752	01/01/2000 03:47:00	0
752	01/01/2000 03:48:00	0
752	01/01/2000 03:49:00	0
752	01/01/2000 03:50:00	0
752	01/01/2000 03:51:00	0
752	01/01/2000 03:52:00	0
752	01/01/2000 03:53:00	0
752	01/01/2000 03:54:00	0
752	01/01/2000 03:55:00	0
752	01/01/2000 03:56:00	0
752	01/01/2000 03:57:00	0
752	01/01/2000 03:58:00	0
752	01/01/2000 03:59:00	0
752	01/01/2000 04:00:00	0
752	01/01/2000 04:01:00	0
752	01/01/2000 04:02:00	0
752	01/01/2000 04:03:00	0
752	01/01/2000 04:04:00	0
752	01/01/2000 04:05:00	0
752	01/01/2000 04:06:00	0
752	01/01/2000 04:07:00	0
752	01/01/2000 04:08:00	0
752	01/01/2000 04:09:00	0
752	01/01/2000 04:10:00	0
752	01/01/2000 04:11:00	0
752	01/01/2000 04:12:00	0
752	01/01/2000 04:13:00	0
752	01/01/2000 04:14:00	0
752	01/01/2000 04:15:00	0
752	01/01/2000 04:16:00	0

;Flow (m³/s)

753	01/01/2000 00:00:00	0
753	01/01/2000 00:01:00	0
753	01/01/2000 00:02:00	0
753	01/01/2000 00:03:00	0
753	01/01/2000 00:04:00	0
753	01/01/2000 00:05:00	0
753	01/01/2000 00:06:00	0
753	01/01/2000 00:07:00	0
753	01/01/2000 00:08:00	0
753	01/01/2000 00:09:00	0
753	01/01/2000 00:10:00	0
753	01/01/2000 00:11:00	0
753	01/01/2000 00:12:00	0
753	01/01/2000 00:13:00	0
753	01/01/2000 00:14:00	0
753	01/01/2000 00:15:00	2E-06
753	01/01/2000 00:16:00	5E-06
753	01/01/2000 00:17:00	7E-06
753	01/01/2000 00:18:00	7E-06
753	01/01/2000 00:19:00	7E-06
753	01/01/2000 00:20:00	7E-06
753	01/01/2000 00:21:00	9E-06
753	01/01/2000 00:22:00	1E-05
753	01/01/2000 00:23:00	1E-05
753	01/01/2000 00:24:00	1E-05
753	01/01/2000 00:25:00	1E-05
753	01/01/2000 00:26:00	1E-05
753	01/01/2000 00:27:00	1E-05
753	01/01/2000 00:28:00	1E-05
753	01/01/2000 00:29:00	1E-05
753	01/01/2000 00:30:00	1E-05
753	01/01/2000 00:31:00	1.4E-05
753	01/01/2000 00:32:00	1.5E-05
753	01/01/2000 00:33:00	1.6E-05
753	01/01/2000 00:34:00	1.6E-05
753	01/01/2000 00:35:00	1.6E-05
753	01/01/2000 00:36:00	1.6E-05
753	01/01/2000 00:37:00	1.6E-05
753	01/01/2000 00:38:00	1.6E-05
753	01/01/2000 00:39:00	1.6E-05
753	01/01/2000 00:40:00	1.6E-05
753	01/01/2000 00:41:00	0.000404
753	01/01/2000 00:42:00	0.001222
753	01/01/2000 00:43:00	0.002534
753	01/01/2000 00:44:00	0.004399
753	01/01/2000 00:45:00	0.006173
753	01/01/2000 00:46:00	0.007857
753	01/01/2000 00:47:00	0.009449
753	01/01/2000 00:48:00	0.010953
753	01/01/2000 00:49:00	0.012369
753	01/01/2000 00:50:00	0.013701
753	01/01/2000 00:51:00	0.02
753	01/01/2000 00:52:00	0.02
753	01/01/2000 00:53:00	0.02
753	01/01/2000 00:54:00	0.02
753	01/01/2000 00:55:00	0.02
753	01/01/2000 00:56:00	0.02
753	01/01/2000 00:57:00	0.02
753	01/01/2000 00:58:00	0.02
753	01/01/2000 00:59:00	0.02
753	01/01/2000 01:00:00	0.02
753	01/01/2000 01:01:00	0.02
753	01/01/2000 01:02:00	0.02
753	01/01/2000 01:03:00	0.02
753	01/01/2000 01:04:00	0.02
753	01/01/2000 01:05:00	0.02
753	01/01/2000 01:06:00	0.02
753	01/01/2000 01:07:00	0.02
753	01/01/2000 01:08:00	0.02
753	01/01/2000 01:09:00	0.02
753	01/01/2000 01:10:00	0.02
753	01/01/2000 01:11:00	0.02
753	01/01/2000 01:12:00	0.02
753	01/01/2000 01:13:00	0.02
753	01/01/2000 01:14:00	0.02
753	01/01/2000 01:15:00	0.02
753	01/01/2000 01:16:00	0.02
753	01/01/2000 01:17:00	0.02
753	01/01/2000 01:18:00	0.02
753	01/01/2000 01:19:00	0.02
753	01/01/2000 01:20:00	0.02
753	01/01/2000 01:21:00	0.02
753	01/01/2000 01:22:00	0.019475
753	01/01/2000 01:23:00	0.017835
753	01/01/2000 01:24:00	0.015963
753	01/01/2000 01:25:00	0.014514
753	01/01/2000 01:26:00	0.013394
753	01/01/2000 01:27:00	0.012533
753	01/01/2000 01:28:00	0.011873
753	01/01/2000 01:29:00	0.011369
753	01/01/2000 01:30:00	0.010988
753	01/01/2000 01:31:00	0.010516
753	01/01/2000 01:32:00	0.009937
753	01/01/2000 01:33:00	0.009233
753	01/01/2000 01:34:00	0.00839
753	01/01/2000 01:35:00	0.007738
753	01/01/2000 01:36:00	0.007235
753	01/01/2000 01:37:00	0.00685
753	01/01/2000 01:38:00	0.006555
753	01/01/2000 01:39:00	0.00633
753	01/01/2000 01:40:00	0.006161
753	01/01/2000 01:41:00	0.005925
753	01/01/2000 01:42:00	0.005614
753	01/01/2000 01:43:00	0.00522
753	01/01/2000 01:44:00	0.004737
753	01/01/2000 01:45:00	0.004364
753	01/01/2000 01:46:00	0.004075
753	01/01/2000 01:47:00	0.003852
753	01/01/2000 01:48:00	0.003682
753	01/01/2000 01:49:00	0.003552
753	01/01/2000 01:50:00	0.003454
753	01/01/2000 01:51:00	0.003307
753	01/01/2000 01:52:00	0.003107
753	01/01/2000 01:53:00	0.002851
753	01/01/2000 01:54:00	0.002534
753	01/01/2000 01:55:00	0.002287
753	01/01/2000 01:56:00	0.002096
753	01/01/2000 01:57:00	0.001948
753	01/01/2000 01:58:00	0.001834
753	01/01/2000 01:59:00	0.001746
753	01/01/2000 02:00:00	0.001679
753	01/01/2000 02:01:00	0.001577
753	01/01/2000 02:02:00	0.001435
753	01/01/2000 02:03:00	0.001253
753	01/01/2000 02:04:00	0.001027
753	01/01/2000 02:05:00	0.000851
753	01/01/2000 02:06:00	0.000714
753	01/01/2000 02:07:00	0.000607
753	01/01/2000 02:08:00	0.000524
753	01/01/2000 02:09:00	0.00046
753	01/01/2000 02:10:00	0.000411
753	01/01/2000 02:11:00	0.000363
753	01/01/2000 02:12:00	0.000315
753	01/01/2000 02:13:00	0.000264
753	01/01/2000 02:14:00	0.000209
753	01/01/2000 02:15:00	0.000165
753	01/01/2000 02:16:00	0.000131
753	01/01/2000 02:17:00	0.000105
753	01/01/2000 02:18:00	8.4E-05
753	01/01/2000 02:19:00	6.7E-05
753	01/01/2000 02:20:00	5.4E-05
753	01/01/2000 02:21:00	4.4E-05
753	01/01/2000 02:22:00	3.5E-05
753	01/01/2000 02:23:00	2.9E-05
753	01/01/2000 02:24:00	2.4E-05
753	01/01/2000 02:25:00	2E-05
753	01/01/2000 02:26:00	1.7E-05
753	01/01/2000 02:27:00	1.5E-05
753	01/01/2000 02:28:00	1.3E-05
753	01/01/2000 02:29:00	1.2E-05
753	01/01/2000 02:30:00	1E-05
753	01/01/2000 02:31:00	0
753	01/01/2000 02:32:00	0
753	01/01/2000 02:33:00	0
753	01/01/2000 02:34:00	0
753	01/01/2000 02:35:00	0
753	01/01/2000 02:36:00	0
753	01/01/2000 02:37:00	0
753	01/01/2000 02:38:00	0
753	01/01/2000 02:39:00	0
753	01/01/2000 02:40:00	0
753	01/01/2000 02:41:00	0
753	01/01/2000 02:42:00	0
753	01/01/2000 02:43:00	0
753	01/01/2000 02:44:00	0
753	01/01/2000 02:45:00	0
753	01/01/2000 02:46:00	0
753	01/01/2000 02:47:00	0
753	01/01/2000 02:48:00	0
753	01/01/2000 02:49:00	0
753	01/01/2000 02:50:00	0
753	01/01/2000 02:51:00	0
753	01/01/2000 02:52:00	0
753	01/01/2000 02:53:00	0
753	01/01/2000 02:54:00	0
753	01/01/2000 02:55:00	0
753	01/01/2000 02:56:00	0
753	01/01/2000 02:57:00	0
753	01/01/2000 02:58:00	0
753	01/01/2000 02:59:00	0
753	01/01/2000 03:00:00	0
753	01/01/2000 03:01:00	0
753	01/01/2000 03:02:00	0
753	01/01/2000 03:03:00	0
753	01/01/2000 03:04:00	0
753	01/01/2000 03:05:00	0
753	01/01/2000 03:06:00	0
753	01/01/2000 03:07:00	0
753	01/01/2000 03:08:00	0
753	01/01/2000 03:09:00	0
753	01/01/2000 03:10:00	0
753	01/01/2000 03:11:00	0
753	01/01/2000 03:12:00	0
753	01/01/2000 03:13:00	0
753	01/01/2000 03:14:00	0
753	01/01/2000 03:15:00	0
753	01/01/2000 03:16:00	0
753	01/01/2000 03:17:00	0
753	01/01/2000 03:18:00	0
753	01/01/2000 03:19:00	0
753	01/01/2000 03:20:00	0
753	01/01/2000 03:21:00	0
753	01/01/2000 03:22:00	0
753	01/01/2000 03:23:00	0
753	01/01/2000 03:24:00	0
753	01/01/2000 03:25:00	0
753	01/01/2000 03:26:00	0
753	01/01/2000 03:27:00	0
753	01/01/2000 03:28:00	0
753	01/01/2000 03:29:00	0
753	01/01/2000 03:30:00	0
753	01/01/2000 03:31:00	0
753	01/01/2000 03:32:00	0
753	01/01/2000 03:33:00	0

753	01/01/2000 03:34:00	0
753	01/01/2000 03:35:00	0
753	01/01/2000 03:36:00	0
753	01/01/2000 03:37:00	0
753	01/01/2000 03:38:00	0
753	01/01/2000 03:39:00	0
753	01/01/2000 03:40:00	0
753	01/01/2000 03:41:00	0
753	01/01/2000 03:42:00	0
753	01/01/2000 03:43:00	0
753	01/01/2000 03:44:00	0
753	01/01/2000 03:45:00	0
753	01/01/2000 03:46:00	0
753	01/01/2000 03:47:00	0
753	01/01/2000 03:48:00	0
753	01/01/2000 03:49:00	0
753	01/01/2000 03:50:00	0
753	01/01/2000 03:51:00	0
753	01/01/2000 03:52:00	0
753	01/01/2000 03:53:00	0
753	01/01/2000 03:54:00	0
753	01/01/2000 03:55:00	0
753	01/01/2000 03:56:00	0
753	01/01/2000 03:57:00	0
753	01/01/2000 03:58:00	0
753	01/01/2000 03:59:00	0
753	01/01/2000 04:00:00	0
753	01/01/2000 04:01:00	0
753	01/01/2000 04:02:00	0
753	01/01/2000 04:03:00	0
753	01/01/2000 04:04:00	0
753	01/01/2000 04:05:00	0
753	01/01/2000 04:06:00	0
753	01/01/2000 04:07:00	0
753	01/01/2000 04:08:00	0
753	01/01/2000 04:09:00	0
753	01/01/2000 04:10:00	0
753	01/01/2000 04:11:00	0
753	01/01/2000 04:12:00	0
753	01/01/2000 04:13:00	0
753	01/01/2000 04:14:00	0
753	01/01/2000 04:15:00	0
753	01/01/2000 04:16:00	0

;Flow (m³/s)

755	01/01/2000 00:00:00	0
755	01/01/2000 00:01:00	0
755	01/01/2000 00:02:00	0
755	01/01/2000 00:03:00	0
755	01/01/2000 00:04:00	0
755	01/01/2000 00:05:00	0
755	01/01/2000 00:06:00	0
755	01/01/2000 00:07:00	0
755	01/01/2000 00:08:00	0
755	01/01/2000 00:09:00	0
755	01/01/2000 00:10:00	0
755	01/01/2000 00:11:00	0
755	01/01/2000 00:12:00	0
755	01/01/2000 00:13:00	0
755	01/01/2000 00:14:00	0
755	01/01/2000 00:15:00	0.001325
755	01/01/2000 00:16:00	0.006024
755	01/01/2000 00:17:00	0.013468
755	01/01/2000 00:18:00	0.01605
755	01/01/2000 00:19:00	0.018519
755	01/01/2000 00:20:00	0.019171
755	01/01/2000 00:21:00	0.021187
755	01/01/2000 00:22:00	0.023837
755	01/01/2000 00:23:00	0.025828
755	01/01/2000 00:24:00	0.026585
755	01/01/2000 00:25:00	0.027275
755	01/01/2000 00:26:00	0.027472
755	01/01/2000 00:27:00	0.027722
755	01/01/2000 00:28:00	0.027762
755	01/01/2000 00:29:00	0.027857
755	01/01/2000 00:30:00	0.027858
755	01/01/2000 00:31:00	0.029646
755	01/01/2000 00:32:00	0.034354
755	01/01/2000 00:33:00	0.03866
755	01/01/2000 00:34:00	0.040917
755	01/01/2000 00:35:00	0.042004
755	01/01/2000 00:36:00	0.042021
755	01/01/2000 00:37:00	0.042047
755	01/01/2000 00:38:00	0.042078
755	01/01/2000 00:39:00	0.042111
755	01/01/2000 00:40:00	0.042145
755	01/01/2000 00:41:00	0.042303
755	01/01/2000 00:42:00	0.042833
755	01/01/2000 00:43:00	0.043186
755	01/01/2000 00:44:00	0.043467
755	01/01/2000 00:45:00	0.043778
755	01/01/2000 00:46:00	0.044104
755	01/01/2000 00:47:00	0.044439
755	01/01/2000 00:48:00	0.044777
755	01/01/2000 00:49:00	0.045018
755	01/01/2000 00:50:00	0.045071
755	01/01/2000 00:51:00	0.045152
755	01/01/2000 00:52:00	0.045319
755	01/01/2000 00:53:00	0.045584
755	01/01/2000 00:54:00	0.045917
755	01/01/2000 00:55:00	0.046147
755	01/01/2000 00:56:00	0.046357
755	01/01/2000 00:57:00	0.046593
755	01/01/2000 00:58:00	0.046871
755	01/01/2000 00:59:00	0.047275
755	01/01/2000 01:00:00	0.047827
755	01/01/2000 01:01:00	0.048473
755	01/01/2000 01:02:00	0.049056
755	01/01/2000 01:03:00	0.049303
755	01/01/2000 01:04:00	0.049557
755	01/01/2000 01:05:00	0.04982
755	01/01/2000 01:06:00	0.050069
755	01/01/2000 01:07:00	0.050279
755	01/01/2000 01:08:00	0.050492
755	01/01/2000 01:09:00	0.050703
755	01/01/2000 01:10:00	0.050911
755	01/01/2000 01:11:00	0.05118
755	01/01/2000 01:12:00	0.051487
755	01/01/2000 01:13:00	0.051778
755	01/01/2000 01:14:00	0.052051
755	01/01/2000 01:15:00	0.052304
755	01/01/2000 01:16:00	0.052535
755	01/01/2000 01:17:00	0.05274
755	01/01/2000 01:18:00	0.052919
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760	01/01/2000 04:07:00	0
760	01/01/2000 04:08:00	0
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760	01/01/2000 04:13:00	0
760	01/01/2000 04:14:00	0
760	01/01/2000 04:15:00	0
760	01/01/2000 04:16:00	0
;Flow (m³/s)		
761	01/01/2000 00:00:00	0
761	01/01/2000 00:01:00	0
761	01/01/2000 00:02:00	0
761	01/01/2000 00:03:00	0
761	01/01/2000 00:04:00	0
761	01/01/2000 00:05:00	0
761	01/01/2000 00:06:00	0
761	01/01/2000 00:07:00	0
761	01/01/2000 00:08:00	0
761	01/01/2000 00:09:00	0
761	01/01/2000 00:10:00	0
761	01/01/2000 00:11:00	0
761	01/01/2000 00:12:00	0
761	01/01/2000 00:13:00	0
761	01/01/2000 00:14:00	0
761	01/01/2000 00:15:00	6.5E-05
761	01/01/2000 00:16:00	0.00033
761	01/01/2000 00:17:00	0.000767
761	01/01/2000 00:18:00	0.001169
761	01/01/2000 00:19:00	0.001437
761	01/01/2000 00:20:00	0.001603
761	01/01/2000 00:21:00	0.001745
761	01/01/2000 00:22:00	0.001941
761	01/01/2000 00:23:00	0.002141
761	01/01/2000 00:24:00	0.002278
761	01/01/2000 00:25:00	0.002363
761	01/01/2000 00:26:00	0.002414
761	01/01/2000 00:27:00	0.002445
761	01/01/2000 00:28:00	0.002463
761	01/01/2000 00:29:00	0.002473
761	01/01/2000 00:30:00	0.00248
761	01/01/2000 00:31:00	0.002578
761	01/01/2000 00:32:00	0.002884

761	01/01/2000 00:33:00	0.003252
761	01/01/2000 00:34:00	0.00351
761	01/01/2000 00:35:00	0.003672
761	01/01/2000 00:36:00	0.00377
761	01/01/2000 00:37:00	0.003828
761	01/01/2000 00:38:00	0.003862
761	01/01/2000 00:39:00	0.003883
761	01/01/2000 00:40:00	0.003895
761	01/01/2000 00:41:00	0.004328
761	01/01/2000 00:42:00	0.005708
761	01/01/2000 00:43:00	0.007429
761	01/01/2000 00:44:00	0.008772
761	01/01/2000 00:45:00	0.009803
761	01/01/2000 00:46:00	0.010619
761	01/01/2000 00:47:00	0.01127
761	01/01/2000 00:48:00	0.011809
761	01/01/2000 00:49:00	0.012273
761	01/01/2000 00:50:00	0.012686
761	01/01/2000 00:51:00	0.015319
761	01/01/2000 00:52:00	0.01997
761	01/01/2000 00:53:00	0.02
761	01/01/2000 00:54:00	0.02
761	01/01/2000 00:55:00	0.02
761	01/01/2000 00:56:00	0.020164
761	01/01/2000 00:57:00	0.020426
761	01/01/2000 00:58:00	0.020708
761	01/01/2000 00:59:00	0.021
761	01/01/2000 01:00:00	0.021
761	01/01/2000 01:01:00	0.021
761	01/01/2000 01:02:00	0.021
761	01/01/2000 01:03:00	0.021
761	01/01/2000 01:04:00	0.021
761	01/01/2000 01:05:00	0.021
761	01/01/2000 01:06:00	0.021
761	01/01/2000 01:07:00	0.021
761	01/01/2000 01:08:00	0.021
761	01/01/2000 01:09:00	0.021
761	01/01/2000 01:10:00	0.021
761	01/01/2000 01:11:00	0.021
761	01/01/2000 01:12:00	0.021
761	01/01/2000 01:13:00	0.021
761	01/01/2000 01:14:00	0.021
761	01/01/2000 01:15:00	0.021
761	01/01/2000 01:16:00	0.021
761	01/01/2000 01:17:00	0.021
761	01/01/2000 01:18:00	0.021
761	01/01/2000 01:19:00	0.021
761	01/01/2000 01:20:00	0.021
761	01/01/2000 01:21:00	0.021
761	01/01/2000 01:22:00	0.021
761	01/01/2000 01:23:00	0.021
761	01/01/2000 01:24:00	0.021
761	01/01/2000 01:25:00	0.021
761	01/01/2000 01:26:00	0.021
761	01/01/2000 01:27:00	0.021
761	01/01/2000 01:28:00	0.021
761	01/01/2000 01:29:00	0.021
761	01/01/2000 01:30:00	0.021
761	01/01/2000 01:31:00	0.021
761	01/01/2000 01:32:00	0.021
761	01/01/2000 01:33:00	0.021
761	01/01/2000 01:34:00	0.021
761	01/01/2000 01:35:00	0.021
761	01/01/2000 01:36:00	0.021
761	01/01/2000 01:37:00	0.021
761	01/01/2000 01:38:00	0.021
761	01/01/2000 01:39:00	0.021
761	01/01/2000 01:40:00	0.021
761	01/01/2000 01:41:00	0.021
761	01/01/2000 01:42:00	0.021
761	01/01/2000 01:43:00	0.021
761	01/01/2000 01:44:00	0.021
761	01/01/2000 01:45:00	0.021
761	01/01/2000 01:46:00	0.021
761	01/01/2000 01:47:00	0.021
761	01/01/2000 01:48:00	0.020908
761	01/01/2000 01:49:00	0.020812
761	01/01/2000 01:50:00	0.020716
761	01/01/2000 01:51:00	0.020621
761	01/01/2000 01:52:00	0.020524
761	01/01/2000 01:53:00	0.020428
761	01/01/2000 01:54:00	0.020331
761	01/01/2000 01:55:00	0.020234
761	01/01/2000 01:56:00	0.020138
761	01/01/2000 01:57:00	0.020041
761	01/01/2000 01:58:00	0.02
761	01/01/2000 01:59:00	0.02
761	01/01/2000 02:00:00	0.02
761	01/01/2000 02:01:00	0.02
761	01/01/2000 02:02:00	0.02
761	01/01/2000 02:03:00	0.019262
761	01/01/2000 02:04:00	0.010315
761	01/01/2000 02:05:00	0.004041
761	01/01/2000 02:06:00	0.002627
761	01/01/2000 02:07:00	0.002282
761	01/01/2000 02:08:00	0.002179
761	01/01/2000 02:09:00	0.002135
761	01/01/2000 02:10:00	0.002109
761	01/01/2000 02:11:00	0.002074
761	01/01/2000 02:12:00	0.002008
761	01/01/2000 02:13:00	0.001934
761	01/01/2000 02:14:00	0.001879
761	01/01/2000 02:15:00	0.00184
761	01/01/2000 02:16:00	0.001812
761	01/01/2000 02:17:00	0.001792
761	01/01/2000 02:18:00	0.001778
761	01/01/2000 02:19:00	0.001768
761	01/01/2000 02:20:00	0.001761
761	01/01/2000 02:21:00	0.001743
761	01/01/2000 02:22:00	0.001701
761	01/01/2000 02:23:00	0.001651
761	01/01/2000 02:24:00	0.001616
761	01/01/2000 02:25:00	0.001594
761	01/01/2000 02:26:00	0.00158
761	01/01/2000 02:27:00	0.001571
761	01/01/2000 02:28:00	0.001566
761	01/01/2000 02:29:00	0.001562
761	01/01/2000 02:30:00	0.00156
761	01/01/2000 02:31:00	0.001549
761	01/01/2000 02:32:00	0.001517
761	01/01/2000 02:33:00	0.00148
761	01/01/2000 02:34:00	0.001453
761	01/01/2000 02:35:00	0.001436
761	01/01/2000 02:36:00	0.001426
761	01/01/2000 02:37:00	0.00142
761	01/01/2000 02:38:00	0.001417
761	01/01/2000 02:39:00	0.001415
761	01/01/2000 02:40:00	0.001413
761	01/01/2000 02:41:00	0.001405
761	01/01/2000 02:42:00	0.001379
761	01/01/2000 02:43:00	0.001349
761	01/01/2000 02:44:00	0.001327
761	01/01/2000 02:45:00	0.001314
761	01/01/2000 02:46:00	0.001305
761	01/01/2000 02:47:00	0.001301
761	01/01/2000 02:48:00	0.001298
761	01/01/2000 02:49:00	0.001296
761	01/01/2000 02:50:00	0.001295
761	01/01/2000 02:51:00	0.001288
761	01/01/2000 02:52:00	0.001267
761	01/01/2000 02:53:00	0.001241
761	01/01/2000 02:54:00	0.001223
761	01/01/2000 02:55:00	0.001212
761	01/01/2000 02:56:00	0.001205
761	01/01/2000 02:57:00	0.001201
761	01/01/2000 02:58:00	0.001199
761	01/01/2000 02:59:00	0.001197
761	01/01/2000 03:00:00	0.001197
761	01/01/2000 03:01:00	0.001117
761	01/01/2000 03:02:00	0.000861
761	01/01/2000 03:03:00	0.000553
761	01/01/2000 03:04:00	0.000337
761	01/01/2000 03:05:00	0.000202
761	01/01/2000 03:06:00	0.00012
761	01/01/2000 03:07:00	7.1E-05
761	01/01/2000 03:08:00	4.2E-05
761	01/01/2000 03:09:00	2.5E-05
761	01/01/2000 03:10:00	1.5E-05
761	01/01/2000 03:11:00	0
761	01/01/2000 03:12:00	0
761	01/01/2000 03:13:00	0
761	01/01/2000 03:14:00	0
761	01/01/2000 03:15:00	0
761	01/01/2000 03:16:00	0
761	01/01/2000 03:17:00	0
761	01/01/2000 03:18:00	0
761	01/01/2000 03:19:00	0
761	01/01/2000 03:20:00	0
761	01/01/2000 03:21:00	0
761	01/01/2000 03:22:00	0
761	01/01/2000 03:23:00	0
761	01/01/2000 03:24:00	0
761	01/01/2000 03:25:00	0
761	01/01/2000 03:26:00	0
761	01/01/2000 03:27:00	0
761	01/01/2000 03:28:00	0
761	01/01/2000 03:29:00	0
761	01/01/2000 03:30:00	0
761	01/01/2000 03:31:00	0
761	01/01/2000 03:32:00	0
761	01/01/2000 03:33:00	0
761	01/01/2000 03:34:00	0
761	01/01/2000 03:35:00	0
761	01/01/2000 03:36:00	0
761	01/01/2000 03:37:00	0
761	01/01/2000 03:38:00	0
761	01/01/2000 03:39:00	0
761	01/01/2000 03:40:00	0
761	01/01/2000 03:41:00	0
761	01/01/2000 03:42:00	0
761	01/01/2000 03:43:00	0
761	01/01/2000 03:44:00	0
761	01/01/2000 03:45:00	0
761	01/01/2000 03:46:00	0
761	01/01/2000 03:47:00	0
761	01/01/2000 03:48:00	0
761	01/01/2000 03:49:00	0
761	01/01/2000 03:50:00	0
761	01/01/2000 03:51:00	0
761	01/01/2000 03:52:00	0
761	01/01/2000 03:53:00	0
761	01/01/2000 03:54:00	0
761	01/01/2000 03:55:00	0
761	01/01/2000 03:56:00	0
761	01/01/2000 03:57:00	0
761	01/01/2000 03:58:00	0
761	01/01/2000 03:59:00	0
761	01/01/2000 04:00:00	0
761	01/01/2000 04:01:00	0
761	01/01/2000 04:02:00	0
761	01/01/2000 04:03:00	0
761	01/01/2000 04:04:00	0
761	01/01/2000 04:05:00	0
761	01/01/2000 04:06:00	0
761	01/01/2000 04:07:00	0
761	01/01/2000 04:08:00	0
761	01/01/2000 04:09:00	0
761	01/01/2000 04:10:00	0
761	01/01/2000 04:11:00	0
761	01/01/2000 04:12:00	0
761	01/01/2000 04:13:00	0
761	01/01/2000 04:14:00	0
761	01/01/2000 04:15:00	0
761	01/01/2000 04:16:00	0

;Flow (m³/s)

770	01/01/2000 00:00:00	0
770	01/01/2000 00:01:00	0
770	01/01/2000 00:02:00	0
770	01/01/2000 00:03:00	0
770	01/01/2000 00:04:00	0
770	01/01/2000 00:05:00	0
770	01/01/2000 00:06:00	0
770	01/01/2000 00:07:00	0
770	01/01/2000 00:08:00	0
770	01/01/2000 00:09:00	0
770	01/01/2000 00:10:00	0
770	01/01/2000 00:11:00	0
770	01/01/2000 00:12:00	0
770	01/01/2000 00:13:00	0
770	01/01/2000 00:14:00	0
770	01/01/2000 00:15:00	0.000299
770	01/01/2000 00:16:00	0.001385
770	01/01/2000 00:17:00	0.00285
770	01/01/2000 00:18:00	0.00386
770	01/01/2000 00:19:00	0.004397
770	01/01/2000 00:20:00	0.004716
770	01/01/2000 00:21:00	0.005094
770	01/01/2000 00:22:00	0.005736
770	01/01/2000 00:23:00	0.006278
770	01/01/2000 00:24:00	0.006545
770	01/01/2000 00:25:00	0.006709
770	01/01/2000 00:26:00	0.0068
770	01/01/2000 00:27:00	0.006854
770	01/01/2000 00:28:00	0.006884
770	01/01/2000 00:29:00	0.006901
770	01/01/2000 00:30:00	0.006911
770	01/01/2000 00:31:00	0.007355
770	01/01/2000 00:32:00	0.008554
770	01/01/2000 00:33:00	0.009624
770	01/01/2000 00:34:00	0.010142
770	01/01/2000 00:35:00	0.010463
770	01/01/2000 00:36:00	0.010642
770	01/01/2000 00:37:00	0.010746
770	01/01/2000 00:38:00	0.010805
770	01/01/2000 00:39:00	0.010839
770	01/01/2000 00:40:00	0.010859
770	01/01/2000 00:41:00	0.012972
770	01/01/2000 00:42:00	0.018669
770	01/01/2000 00:43:00	0.024221
770	01/01/2000 00:44:00	0.027882
770	01/01/2000 00:45:00	0.031204
770	01/01/2000 00:46:00	0.034237
770	01/01/2000 00:47:00	0.037132
770	01/01/2000 00:48:00	0.039814
770	01/01/2000 00:49:00	0.04234
770	01/01/2000 00:50:00	0.044744
770	01/01/2000 00:51:00	0.057996
770	01/01/2000 00:52:00	0.071554
770	01/01/2000 00:53:00	0.077829
770	01/01/2000 00:54:00	0.078
770	01/01/2000 00:55:00	0.078901
770	01/01/2000 00:56:00	0.079487
770	01/01/2000 00:57:00	0.08
770	01/01/2000 00:58:00	0.08
770	01/01/2000 00:59:00	0.08
770	01/01/2000 01:00:00	0.080485
770	01/01/2000 01:01:00	0.081
770	01/01/2000 01:02:00	0.081
770	01/01/2000 01:03:00	0.081
770	01/01/2000 01:04:00	0.081
770	01/01/2000 01:05:00	0.081
770	01/01/2000 01:06:00	0.081
770	01/01/2000 01:07:00	0.081
770	01/01/2000 01:08:00	0.081
770	01/01/2000 01:09:00	0.081
770	01/01/2000 01:10:00	0.081
770	01/01/2000 01:11:00	0.081

770	01/01/2000 01:12:00	0.081
770	01/01/2000 01:13:00	0.080968
770	01/01/2000 01:14:00	0.080742
770	01/01/2000 01:15:00	0.08053
770	01/01/2000 01:16:00	0.080331
770	01/01/2000 01:17:00	0.080146
770	01/01/2000 01:18:00	0.08
770	01/01/2000 01:19:00	0.08
770	01/01/2000 01:20:00	0.08
770	01/01/2000 01:21:00	0.08
770	01/01/2000 01:22:00	0.08
770	01/01/2000 01:23:00	0.08
770	01/01/2000 01:24:00	0.08
770	01/01/2000 01:25:00	0.08
770	01/01/2000 01:26:00	0.08
770	01/01/2000 01:27:00	0.08
770	01/01/2000 01:28:00	0.078889
770	01/01/2000 01:29:00	0.077372
770	01/01/2000 01:30:00	0.075662
770	01/01/2000 01:31:00	0.074054
770	01/01/2000 01:32:00	0.072827
770	01/01/2000 01:33:00	0.071799
770	01/01/2000 01:34:00	0.070817
770	01/01/2000 01:35:00	0.069542
770	01/01/2000 01:36:00	0.06826
770	01/01/2000 01:37:00	0.067047
770	01/01/2000 01:38:00	0.066259
770	01/01/2000 01:39:00	0.065576
770	01/01/2000 01:40:00	0.063986
770	01/01/2000 01:41:00	0.063436
770	01/01/2000 01:42:00	0.019523
770	01/01/2000 01:43:00	0.021187
770	01/01/2000 01:44:00	0.019477
770	01/01/2000 01:45:00	0.018737
770	01/01/2000 01:46:00	0.017862
770	01/01/2000 01:47:00	0.017138
770	01/01/2000 01:48:00	0.016524
770	01/01/2000 01:49:00	0.016017
770	01/01/2000 01:50:00	0.015592
770	01/01/2000 01:51:00	0.015054
770	01/01/2000 01:52:00	0.014278
770	01/01/2000 01:53:00	0.01353
770	01/01/2000 01:54:00	0.012929
770	01/01/2000 01:55:00	0.012363
770	01/01/2000 01:56:00	0.01185
770	01/01/2000 01:57:00	0.011394
770	01/01/2000 01:58:00	0.011015
770	01/01/2000 01:59:00	0.0107
770	01/01/2000 02:00:00	0.010437
770	01/01/2000 02:01:00	0.010087
770	01/01/2000 02:02:00	0.009563
770	01/01/2000 02:03:00	0.009053
770	01/01/2000 02:04:00	0.008644
770	01/01/2000 02:05:00	0.008258
770	01/01/2000 02:06:00	0.007906
770	01/01/2000 02:07:00	0.007592
770	01/01/2000 02:08:00	0.007331
770	01/01/2000 02:09:00	0.007114
770	01/01/2000 02:10:00	0.006933
770	01/01/2000 02:11:00	0.006703
770	01/01/2000 02:12:00	0.006365
770	01/01/2000 02:13:00	0.00606
770	01/01/2000 02:14:00	0.005854
770	01/01/2000 02:15:00	0.005686
770	01/01/2000 02:16:00	0.00555
770	01/01/2000 02:17:00	0.005437
770	01/01/2000 02:18:00	0.005345
770	01/01/2000 02:19:00	0.005269
770	01/01/2000 02:20:00	0.005205
770	01/01/2000 02:21:00	0.005096
770	01/01/2000 02:22:00	0.0049
770	01/01/2000 02:23:00	0.004727
770	01/01/2000 02:24:00	0.004628
770	01/01/2000 02:25:00	0.00456
770	01/01/2000 02:26:00	0.004512
770	01/01/2000 02:27:00	0.004478
770	01/01/2000 02:28:00	0.004453
770	01/01/2000 02:29:00	0.004433
770	01/01/2000 02:30:00	0.004417
770	01/01/2000 02:31:00	0.004359
770	01/01/2000 02:32:00	0.004228
770	01/01/2000 02:33:00	0.00411
770	01/01/2000 02:34:00	0.00405
770	01/01/2000 02:35:00	0.004012
770	01/01/2000 02:36:00	0.003987
770	01/01/2000 02:37:00	0.003973
770	01/01/2000 02:38:00	0.003962
770	01/01/2000 02:39:00	0.003955
770	01/01/2000 02:40:00	0.003949
770	01/01/2000 02:41:00	0.003909
770	01/01/2000 02:42:00	0.003808
770	01/01/2000 02:43:00	0.003717
770	01/01/2000 02:44:00	0.003672
770	01/01/2000 02:45:00	0.003644
770	01/01/2000 02:46:00	0.003628
770	01/01/2000 02:47:00	0.003618
770	01/01/2000 02:48:00	0.003612
770	01/01/2000 02:49:00	0.003608
770	01/01/2000 02:50:00	0.003607
770	01/01/2000 02:51:00	0.003575
770	01/01/2000 02:52:00	0.003491
770	01/01/2000 02:53:00	0.003417
770	01/01/2000 02:54:00	0.00338
770	01/01/2000 02:55:00	0.003358
770	01/01/2000 02:56:00	0.003344
770	01/01/2000 02:57:00	0.003337
770	01/01/2000 02:58:00	0.003333
770	01/01/2000 02:59:00	0.003331
770	01/01/2000 03:00:00	0.003328
770	01/01/2000 03:01:00	0.002961
770	01/01/2000 03:02:00	0.001956
770	01/01/2000 03:03:00	0.001058
770	01/01/2000 03:04:00	0.000624
770	01/01/2000 03:05:00	0.000354
770	01/01/2000 03:06:00	0.000205
770	01/01/2000 03:07:00	0.000117
770	01/01/2000 03:08:00	6.7E-05
770	01/01/2000 03:09:00	3.8E-05
770	01/01/2000 03:10:00	2.2E-05
770	01/01/2000 03:11:00	1.3E-05
770	01/01/2000 03:12:00	0
770	01/01/2000 03:13:00	0
770	01/01/2000 03:14:00	0
770	01/01/2000 03:15:00	0
770	01/01/2000 03:16:00	0
770	01/01/2000 03:17:00	0
770	01/01/2000 03:18:00	0
770	01/01/2000 03:19:00	0
770	01/01/2000 03:20:00	0
770	01/01/2000 03:21:00	0
770	01/01/2000 03:22:00	0
770	01/01/2000 03:23:00	0
770	01/01/2000 03:24:00	0
770	01/01/2000 03:25:00	0
770	01/01/2000 03:26:00	0
770	01/01/2000 03:27:00	0
770	01/01/2000 03:28:00	0
770	01/01/2000 03:29:00	0
770	01/01/2000 03:30:00	0
770	01/01/2000 03:31:00	0
770	01/01/2000 03:32:00	0
770	01/01/2000 03:33:00	0
770	01/01/2000 03:34:00	0
770	01/01/2000 03:35:00	0
770	01/01/2000 03:36:00	0
770	01/01/2000 03:37:00	0
770	01/01/2000 03:38:00	0
770	01/01/2000 03:39:00	0
770	01/01/2000 03:40:00	0
770	01/01/2000 03:41:00	0
770	01/01/2000 03:42:00	0
770	01/01/2000 03:43:00	0
770	01/01/2000 03:44:00	0
770	01/01/2000 03:45:00	0
770	01/01/2000 03:46:00	0
770	01/01/2000 03:47:00	0
770	01/01/2000 03:48:00	0
770	01/01/2000 03:49:00	0
770	01/01/2000 03:50:00	0
770	01/01/2000 03:51:00	0
770	01/01/2000 03:52:00	0
770	01/01/2000 03:53:00	0
770	01/01/2000 03:54:00	0
770	01/01/2000 03:55:00	0
770	01/01/2000 03:56:00	0
770	01/01/2000 03:57:00	0
770	01/01/2000 03:58:00	0
770	01/01/2000 03:59:00	0
770	01/01/2000 04:00:00	0
770	01/01/2000 04:01:00	0
770	01/01/2000 04:02:00	0
770	01/01/2000 04:03:00	0
770	01/01/2000 04:04:00	0
770	01/01/2000 04:05:00	0
770	01/01/2000 04:06:00	0
770	01/01/2000 04:07:00	0
770	01/01/2000 04:08:00	0
770	01/01/2000 04:09:00	0
770	01/01/2000 04:10:00	0
770	01/01/2000 04:11:00	0
770	01/01/2000 04:12:00	0
770	01/01/2000 04:13:00	0
770	01/01/2000 04:14:00	0
770	01/01/2000 04:15:00	0
770	01/01/2000 04:16:00	0

;Flow (m³/s)

773	01/01/2000 00:00:00	0
773	01/01/2000 00:01:00	0
773	01/01/2000 00:02:00	0
773	01/01/2000 00:03:00	0
773	01/01/2000 00:04:00	0
773	01/01/2000 00:05:00	0
773	01/01/2000 00:06:00	0
773	01/01/2000 00:07:00	0
773	01/01/2000 00:08:00	0
773	01/01/2000 00:09:00	0
773	01/01/2000 00:10:00	0
773	01/01/2000 00:11:00	0
773	01/01/2000 00:12:00	0
773	01/01/2000 00:13:00	0
773	01/01/2000 00:14:00	0
773	01/01/2000 00:15:00	0.000116
773	01/01/2000 00:16:00	0.000583
773	01/01/2000 00:17:00	0.001311
773	01/01/2000 00:18:00	0.001914
773	01/01/2000 00:19:00	0.002263
773	01/01/2000 00:20:00	0.002452
773	01/01/2000 00:21:00	0.00263
773	01/01/2000 00:22:00	0.002923
773	01/01/2000 00:23:00	0.003217
773	01/01/2000 00:24:00	0.003391
773	01/01/2000 00:25:00	0.003486
773	01/01/2000 00:26:00	0.003537
773	01/01/2000 00:27:00	0.003564
773	01/01/2000 00:28:00	0.003579
773	01/01/2000 00:29:00	0.003586
773	01/01/2000 00:30:00	0.003591
773	01/01/2000 00:31:00	0.003762
773	01/01/2000 00:32:00	0.004294
773	01/01/2000 00:33:00	0.004883
773	01/01/2000 00:34:00	0.005236
773	01/01/2000 00:35:00	0.005429
773	01/01/2000 00:36:00	0.005533
773	01/01/2000 00:37:00	0.005588
773	01/01/2000 00:38:00	0.005618
773	01/01/2000 00:39:00	0.005633
773	01/01/2000 00:40:00	0.005642
773	01/01/2000 00:41:00	0.006426
773	01/01/2000 00:42:00	0.008877
773	01/01/2000 00:43:00	0.011737
773	01/01/2000 00:44:00	0.013785
773	01/01/2000 00:45:00	0.015251
773	01/01/2000 00:46:00	0.016324
773	01/01/2000 00:47:00	0.017162
773	01/01/2000 00:48:00	0.017859
773	01/01/2000 00:49:00	0.018247
773	01/01/2000 00:50:00	0.018638
773	01/01/2000 00:51:00	0.02168
773	01/01/2000 00:52:00	0.024
773	01/01/2000 00:53:00	0.024
773	01/01/2000 00:54:00	0.024448
773	01/01/2000 00:55:00	0.025
773	01/01/2000 00:56:00	0.025
773	01/01/2000 00:57:00	0.025
773	01/01/2000 00:58:00	0.025
773	01/01/2000 00:59:00	0.025656
773	01/01/2000 01:00:00	0.026
773	01/01/2000 01:01:00	0.026
773	01/01/2000 01:02:00	0.026
773	01/01/2000 01:03:00	0.026
773	01/01/2000 01:04:00	0.026
773	01/01/2000 01:05:00	0.026
773	01/01/2000 01:06:00	0.026
773	01/01/2000 01:07:00	0.026
773	01/01/2000 01:08:00	0.026
773	01/01/2000 01:09:00	0.026
773	01/01/2000 01:10:00	0.026
773	01/01/2000 01:11:00	0.026
773	01/01/2000 01:12:00	0.026
773	01/01/2000 01:13:00	0.026
773	01/01/2000 01:14:00	0.026
773	01/01/2000 01:15:00	0.026
773	01/01/2000 01:16:00	0.026
773	01/01/2000 01:17:00	0.025965
773	01/01/2000 01:18:00	0.025715
773	01/01/2000 01:19:00	0.025488
773	01/01/2000 01:20:00	0.025293
773	01/01/2000 01:21:00	0.025118
773	01/01/2000 01:22:00	0.025
773	01/01/2000 01:23:00	0.025
773	01/01/2000 01:24:00	0.025
773	01/01/2000 01:25:00	0.025
773	01/01/2000 01:26:00	0.025
773	01/01/2000 01:27:00	0.025
773	01/01/2000 01:28:00	0.025
773	01/01/2000 01:29:00	0.025
773	01/01/2000 01:30:00	0.025
773	01/01/2000 01:31:00	0.025
773	01/01/2000 01:32:00	0.025
773	01/01/2000 01:33:00	0.025
773	01/01/2000 01:34:00	0.025
773	01/01/2000 01:35:00	0.025
773	01/01/2000 01:36:00	0.025
773	01/01/2000 01:37:00	0.025
773	01/01/2000 01:38:00	0.025
773	01/01/2000 01:39:00	0.025
773	01/01/2000 01:40:00	0.025
773	01/01/2000 01:41:00	0.025
773	01/01/2000 01:42:00	0.025
773	01/01/2000 01:43:00	0.025
773	01/01/2000 01:44:00	0.025
773	01/01/2000 01:45:00	0.024829
773	01/01/2000 01:46:00	0.024646
773	01/01/2000 01:47:00	0.024463
773	01/01/2000 01:48:00	0.024282
773	01/01/2000 01:49:00	0.024101
773	01/01/2000 01:50:00	0.024

773	01/01/2000 01:51:00	0.024
773	01/01/2000 01:52:00	0.024
773	01/01/2000 01:53:00	0.024
773	01/01/2000 01:54:00	0.014561
773	01/01/2000 01:55:00	0.00556
773	01/01/2000 01:56:00	0.004305
773	01/01/2000 01:57:00	0.004075
773	01/01/2000 01:58:00	0.003996
773	01/01/2000 01:59:00	0.00395
773	01/01/2000 02:00:00	0.003917
773	01/01/2000 02:01:00	0.003847
773	01/01/2000 02:02:00	0.003688
773	01/01/2000 02:03:00	0.003503
773	01/01/2000 02:04:00	0.003353
773	01/01/2000 02:05:00	0.003237
773	01/01/2000 02:06:00	0.003155
773	01/01/2000 02:07:00	0.003096
773	01/01/2000 02:08:00	0.003053
773	01/01/2000 02:09:00	0.003021
773	01/01/2000 02:10:00	0.002997
773	01/01/2000 02:11:00	0.00295
773	01/01/2000 02:12:00	0.002846
773	01/01/2000 02:13:00	0.002732
773	01/01/2000 02:14:00	0.002656
773	01/01/2000 02:15:00	0.002608
773	01/01/2000 02:16:00	0.002577
773	01/01/2000 02:17:00	0.002557
773	01/01/2000 02:18:00	0.002543
773	01/01/2000 02:19:00	0.002534
773	01/01/2000 02:20:00	0.002527
773	01/01/2000 02:21:00	0.002501
773	01/01/2000 02:22:00	0.00243
773	01/01/2000 02:23:00	0.002353
773	01/01/2000 02:24:00	0.002306
773	01/01/2000 02:25:00	0.00228
773	01/01/2000 02:26:00	0.002266
773	01/01/2000 02:27:00	0.002258
773	01/01/2000 02:28:00	0.002253
773	01/01/2000 02:29:00	0.002251
773	01/01/2000 02:30:00	0.002249
773	01/01/2000 02:31:00	0.002231
773	01/01/2000 02:32:00	0.002177
773	01/01/2000 02:33:00	0.002117
773	01/01/2000 02:34:00	0.002081
773	01/01/2000 02:35:00	0.002061
773	01/01/2000 02:36:00	0.002051
773	01/01/2000 02:37:00	0.002045
773	01/01/2000 02:38:00	0.002042
773	01/01/2000 02:39:00	0.00204
773	01/01/2000 02:40:00	0.002039
773	01/01/2000 02:41:00	0.002025
773	01/01/2000 02:42:00	0.001981
773	01/01/2000 02:43:00	0.001932
773	01/01/2000 02:44:00	0.001903
773	01/01/2000 02:45:00	0.001887
773	01/01/2000 02:46:00	0.001878
773	01/01/2000 02:47:00	0.001874
773	01/01/2000 02:48:00	0.001871
773	01/01/2000 02:49:00	0.00187
773	01/01/2000 02:50:00	0.001869
773	01/01/2000 02:51:00	0.001857
773	01/01/2000 02:52:00	0.00182
773	01/01/2000 02:53:00	0.00178
773	01/01/2000 02:54:00	0.001755
773	01/01/2000 02:55:00	0.001742
773	01/01/2000 02:56:00	0.001735
773	01/01/2000 02:57:00	0.001731
773	01/01/2000 02:58:00	0.001729
773	01/01/2000 02:59:00	0.001728
773	01/01/2000 03:00:00	0.001727
773	01/01/2000 03:01:00	0.001585
773	01/01/2000 03:02:00	0.001139
773	01/01/2000 03:03:00	0.000645
773	01/01/2000 03:04:00	0.000348
773	01/01/2000 03:05:00	0.000186
773	01/01/2000 03:06:00	9.9E-05
773	01/01/2000 03:07:00	5.3E-05
773	01/01/2000 03:08:00	2.8E-05
773	01/01/2000 03:09:00	1.5E-05
773	01/01/2000 03:10:00	0
773	01/01/2000 03:11:00	0
773	01/01/2000 03:12:00	0
773	01/01/2000 03:13:00	0
773	01/01/2000 03:14:00	0
773	01/01/2000 03:15:00	0
773	01/01/2000 03:16:00	0
773	01/01/2000 03:17:00	0
773	01/01/2000 03:18:00	0
773	01/01/2000 03:19:00	0
773	01/01/2000 03:20:00	0
773	01/01/2000 03:21:00	0
773	01/01/2000 03:22:00	0
773	01/01/2000 03:23:00	0
773	01/01/2000 03:24:00	0
773	01/01/2000 03:25:00	0
773	01/01/2000 03:26:00	0
773	01/01/2000 03:27:00	0
773	01/01/2000 03:28:00	0
773	01/01/2000 03:29:00	0
773	01/01/2000 03:30:00	0
773	01/01/2000 03:31:00	0
773	01/01/2000 03:32:00	0
773	01/01/2000 03:33:00	0
773	01/01/2000 03:34:00	0
773	01/01/2000 03:35:00	0
773	01/01/2000 03:36:00	0
773	01/01/2000 03:37:00	0
773	01/01/2000 03:38:00	0
773	01/01/2000 03:39:00	0
773	01/01/2000 03:40:00	0
773	01/01/2000 03:41:00	0
773	01/01/2000 03:42:00	0
773	01/01/2000 03:43:00	0
773	01/01/2000 03:44:00	0
773	01/01/2000 03:45:00	0
773	01/01/2000 03:46:00	0
773	01/01/2000 03:47:00	0
773	01/01/2000 03:48:00	0
773	01/01/2000 03:49:00	0
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773	01/01/2000 03:54:00	0
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773	01/01/2000 03:56:00	0
773	01/01/2000 03:57:00	0
773	01/01/2000 03:58:00	0
773	01/01/2000 03:59:00	0
773	01/01/2000 04:00:00	0
773	01/01/2000 04:01:00	0
773	01/01/2000 04:02:00	0
773	01/01/2000 04:03:00	0
773	01/01/2000 04:04:00	0
773	01/01/2000 04:05:00	0
773	01/01/2000 04:06:00	0
773	01/01/2000 04:07:00	0
773	01/01/2000 04:08:00	0
773	01/01/2000 04:09:00	0
773	01/01/2000 04:10:00	0
773	01/01/2000 04:11:00	0
773	01/01/2000 04:12:00	0
773	01/01/2000 04:13:00	0
773	01/01/2000 04:14:00	0
773	01/01/2000 04:15:00	0
773	01/01/2000 04:16:00	0

;Flow (m³/s)

774	01/01/2000 00:00:00	0
774	01/01/2000 00:01:00	0
774	01/01/2000 00:02:00	0
774	01/01/2000 00:03:00	0
774	01/01/2000 00:04:00	0
774	01/01/2000 00:05:00	0
774	01/01/2000 00:06:00	0
774	01/01/2000 00:07:00	0
774	01/01/2000 00:08:00	0
774	01/01/2000 00:09:00	0
774	01/01/2000 00:10:00	0
774	01/01/2000 00:11:00	0
774	01/01/2000 00:12:00	0
774	01/01/2000 00:13:00	0
774	01/01/2000 00:14:00	0
774	01/01/2000 00:15:00	0.000201
774	01/01/2000 00:16:00	0.000973
774	01/01/2000 00:17:00	0.002099
774	01/01/2000 00:18:00	0.002951
774	01/01/2000 00:19:00	0.003415
774	01/01/2000 00:20:00	0.003675
774	01/01/2000 00:21:00	0.003954
774	01/01/2000 00:22:00	0.004425
774	01/01/2000 00:23:00	0.004861
774	01/01/2000 00:24:00	0.005096
774	01/01/2000 00:25:00	0.005228
774	01/01/2000 00:26:00	0.005302
774	01/01/2000 00:27:00	0.005343
774	01/01/2000 00:28:00	0.005366
774	01/01/2000 00:29:00	0.005379
774	01/01/2000 00:30:00	0.005386
774	01/01/2000 00:31:00	0.005684
774	01/01/2000 00:32:00	0.006552
774	01/01/2000 00:33:00	0.007422
774	01/01/2000 00:34:00	0.007887
774	01/01/2000 00:35:00	0.008149
774	01/01/2000 00:36:00	0.008295
774	01/01/2000 00:37:00	0.008377
774	01/01/2000 00:38:00	0.008422
774	01/01/2000 00:39:00	0.008448
774	01/01/2000 00:40:00	0.008462
774	01/01/2000 00:41:00	0.009838
774	01/01/2000 00:42:00	0.013842
774	01/01/2000 00:43:00	0.018092
774	01/01/2000 00:44:00	0.020885
774	01/01/2000 00:45:00	0.023098
774	01/01/2000 00:46:00	0.024908
774	01/01/2000 00:47:00	0.026406
774	01/01/2000 00:48:00	0.027714
774	01/01/2000 00:49:00	0.028569
774	01/01/2000 00:50:00	0.029568
774	01/01/2000 00:51:00	0.036374
774	01/01/2000 00:52:00	0.040873
774	01/01/2000 00:53:00	0.042611
774	01/01/2000 00:54:00	0.043
774	01/01/2000 00:55:00	0.043499
774	01/01/2000 00:56:00	0.044
774	01/01/2000 00:57:00	0.044
774	01/01/2000 00:58:00	0.044
774	01/01/2000 00:59:00	0.044
774	01/01/2000 01:00:00	0.044
774	01/01/2000 01:01:00	0.044
774	01/01/2000 01:02:00	0.044
774	01/01/2000 01:03:00	0.044
774	01/01/2000 01:04:00	0.044
774	01/01/2000 01:05:00	0.044
774	01/01/2000 01:06:00	0.044
774	01/01/2000 01:07:00	0.044
774	01/01/2000 01:08:00	0.044
774	01/01/2000 01:09:00	0.044
774	01/01/2000 01:10:00	0.044
774	01/01/2000 01:11:00	0.044
774	01/01/2000 01:12:00	0.044
774	01/01/2000 01:13:00	0.044
774	01/01/2000 01:14:00	0.04381
774	01/01/2000 01:15:00	0.043362
774	01/01/2000 01:16:00	0.043
774	01/01/2000 01:17:00	0.043
774	01/01/2000 01:18:00	0.042945
774	01/01/2000 01:19:00	0.0425
774	01/01/2000 01:20:00	0.042137
774	01/01/2000 01:21:00	0.041796
774	01/01/2000 01:22:00	0.041465
774	01/01/2000 01:23:00	0.041135
774	01/01/2000 01:24:00	0.040796
774	01/01/2000 01:25:00	0.040441
774	01/01/2000 01:26:00	0.040152
774	01/01/2000 01:27:00	0.039596
774	01/01/2000 01:28:00	0.039049
774	01/01/2000 01:29:00	0.038571
774	01/01/2000 01:30:00	0.038446
774	01/01/2000 01:31:00	0.037553
774	01/01/2000 01:32:00	0.021553
774	01/01/2000 01:33:00	0.015822
774	01/01/2000 01:34:00	0.015178
774	01/01/2000 01:35:00	0.014387
774	01/01/2000 01:36:00	0.013755
774	01/01/2000 01:37:00	0.013275
774	01/01/2000 01:38:00	0.012903
774	01/01/2000 01:39:00	0.012614
774	01/01/2000 01:40:00	0.012387
774	01/01/2000 01:41:00	0.012038
774	01/01/2000 01:42:00	0.011408
774	01/01/2000 01:43:00	0.010755
774	01/01/2000 01:44:00	0.01026
774	01/01/2000 01:45:00	0.009823
774	01/01/2000 01:46:00	0.009468
774	01/01/2000 01:47:00	0.009199
774	01/01/2000 01:48:00	0.008991
774	01/01/2000 01:49:00	0.00883
774	01/01/2000 01:50:00	0.008703
774	01/01/2000 01:51:00	0.00849
774	01/01/2000 01:52:00	0.008089
774	01/01/2000 01:53:00	0.007667
774	01/01/2000 01:54:00	0.007347
774	01/01/2000 01:55:00	0.007066
774	01/01/2000 01:56:00	0.006835
774	01/01/2000 01:57:00	0.006662
774	01/01/2000 01:58:00	0.006527
774	01/01/2000 01:59:00	0.006421
774	01/01/2000 02:00:00	0.006339
774	01/01/2000 02:01:00	0.006193
774	01/01/2000 02:02:00	0.005911
774	01/01/2000 02:03:00	0.005615
774	01/01/2000 02:04:00	0.005389
774	01/01/2000 02:05:00	0.005189
774	01/01/2000 02:06:00	0.005027
774	01/01/2000 02:07:00	0.004903
774	01/01/2000 02:08:00	0.004807
774	01/01/2000 02:09:00	0.004732
774	01/01/2000 02:10:00	0.004672
774	01/01/2000 02:11:00	0.004574
774	01/01/2000 02:12:00	0.004388
774	01/01/2000 02:13:00	0.004205
774	01/01/2000 02:14:00	0.004089
774	01/01/2000 02:15:00	0.004006
774	01/01/2000 02:16:00	0.003947
774	01/01/2000 02:17:00	0.003906
774	01/01/2000 02:18:00	0.003875
774	01/01/2000 02:19:00	0.003852
774	01/01/2000 02:20:00	0.003834
774	01/01/2000 02:21:00	0.003782
774	01/01/2000 02:22:00	0.003661
774	01/01/2000 02:23:00	0.003543
774	01/01/2000 02:24:00	0.003477
774	01/01/2000 02:25:00	0.00343
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774	01/01/2000 02:27:00	0.003395
774	01/01/2000 02:28:00	0.003387
774	01/01/2000 02:29:00	0.003382

774	01/01/2000 02:30:00	0.003378
774	01/01/2000 02:31:00	0.003346
774	01/01/2000 02:32:00	0.003257
774	01/01/2000 02:33:00	0.003168
774	01/01/2000 02:34:00	0.003121
774	01/01/2000 02:35:00	0.003093
774	01/01/2000 02:36:00	0.003078
774	01/01/2000 02:37:00	0.00307
774	01/01/2000 02:38:00	0.003065
774	01/01/2000 02:39:00	0.003062
774	01/01/2000 02:40:00	0.00306
774	01/01/2000 02:41:00	0.003035
774	01/01/2000 02:42:00	0.002963
774	01/01/2000 02:43:00	0.002891
774	01/01/2000 02:44:00	0.002852
774	01/01/2000 02:45:00	0.00283
774	01/01/2000 02:46:00	0.002818
774	01/01/2000 02:47:00	0.002811
774	01/01/2000 02:48:00	0.002808
774	01/01/2000 02:49:00	0.002806
774	01/01/2000 02:50:00	0.002804
774	01/01/2000 02:51:00	0.002783
774	01/01/2000 02:52:00	0.002723
774	01/01/2000 02:53:00	0.002663
774	01/01/2000 02:54:00	0.002631
774	01/01/2000 02:55:00	0.002613
774	01/01/2000 02:56:00	0.002603
774	01/01/2000 02:57:00	0.002597
774	01/01/2000 02:58:00	0.002594
774	01/01/2000 02:59:00	0.002592
774	01/01/2000 03:00:00	0.002591
774	01/01/2000 03:01:00	0.002344
774	01/01/2000 03:02:00	0.001617
774	01/01/2000 03:03:00	0.000887
774	01/01/2000 03:04:00	0.000497
774	01/01/2000 03:05:00	0.000278
774	01/01/2000 03:06:00	0.000155
774	01/01/2000 03:07:00	8.7E-05
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774	01/01/2000 03:09:00	2.7E-05
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774	01/01/2000 03:11:00	0
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774	01/01/2000 03:44:00	0
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774	01/01/2000 03:59:00	0
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774	01/01/2000 04:01:00	0
774	01/01/2000 04:02:00	0
774	01/01/2000 04:03:00	0
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774	01/01/2000 04:07:00	0
774	01/01/2000 04:08:00	0
774	01/01/2000 04:09:00	0
774	01/01/2000 04:10:00	0
774	01/01/2000 04:11:00	0
774	01/01/2000 04:12:00	0
774	01/01/2000 04:13:00	0
774	01/01/2000 04:14:00	0
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774	01/01/2000 04:16:00	0

;Flow (m³/s)

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780	01/01/2000 00:02:00	0
780	01/01/2000 00:03:00	0
780	01/01/2000 00:04:00	0
780	01/01/2000 00:05:00	0
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780	01/01/2000 00:07:00	0
780	01/01/2000 00:08:00	0
780	01/01/2000 00:09:00	0
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780	01/01/2000 00:11:00	0
780	01/01/2000 00:12:00	0
780	01/01/2000 00:13:00	0
780	01/01/2000 00:14:00	0
780	01/01/2000 00:15:00	0.000112
780	01/01/2000 00:16:00	0.000559
780	01/01/2000 00:17:00	0.001263
780	01/01/2000 00:18:00	0.001879
780	01/01/2000 00:19:00	0.002282
780	01/01/2000 00:20:00	0.002537
780	01/01/2000 00:21:00	0.002773
780	01/01/2000 00:22:00	0.003103
780	01/01/2000 00:23:00	0.003427
780	01/01/2000 00:24:00	0.003641
780	01/01/2000 00:25:00	0.003776
780	01/01/2000 00:26:00	0.003862
780	01/01/2000 00:27:00	0.003917
780	01/01/2000 00:28:00	0.003951
780	01/01/2000 00:29:00	0.003973
780	01/01/2000 00:30:00	0.003986
780	01/01/2000 00:31:00	0.00416
780	01/01/2000 00:32:00	0.004671
780	01/01/2000 00:33:00	0.00525
780	01/01/2000 00:34:00	0.005636
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780	01/01/2000 00:36:00	0.006036
780	01/01/2000 00:37:00	0.006135
780	01/01/2000 00:38:00	0.006197
780	01/01/2000 00:39:00	0.006236
780	01/01/2000 00:40:00	0.006261
780	01/01/2000 00:41:00	0.007019
780	01/01/2000 00:42:00	0.009323
780	01/01/2000 00:43:00	0.012039
780	01/01/2000 00:44:00	0.014073
780	01/01/2000 00:45:00	0.015661
780	01/01/2000 00:46:00	0.016947
780	01/01/2000 00:47:00	0.017985
780	01/01/2000 00:48:00	0.018855
780	01/01/2000 00:49:00	0.019607
780	01/01/2000 00:50:00	0.020163
780	01/01/2000 00:51:00	0.023287
780	01/01/2000 00:52:00	0.027
780	01/01/2000 00:53:00	0.027
780	01/01/2000 00:54:00	0.027
780	01/01/2000 00:55:00	0.027235
780	01/01/2000 00:56:00	0.027597
780	01/01/2000 00:57:00	0.027999
780	01/01/2000 00:58:00	0.028
780	01/01/2000 00:59:00	0.028
780	01/01/2000 01:00:00	0.028
780	01/01/2000 01:01:00	0.028
780	01/01/2000 01:02:00	0.028
780	01/01/2000 01:03:00	0.028
780	01/01/2000 01:04:00	0.028
780	01/01/2000 01:05:00	0.028
780	01/01/2000 01:06:00	0.028
780	01/01/2000 01:07:00	0.028
780	01/01/2000 01:08:00	0.028
780	01/01/2000 01:09:00	0.028
780	01/01/2000 01:10:00	0.028
780	01/01/2000 01:11:00	0.028
780	01/01/2000 01:12:00	0.028
780	01/01/2000 01:13:00	0.028
780	01/01/2000 01:14:00	0.028
780	01/01/2000 01:15:00	0.028
780	01/01/2000 01:16:00	0.028
780	01/01/2000 01:17:00	0.028
780	01/01/2000 01:18:00	0.028
780	01/01/2000 01:19:00	0.028
780	01/01/2000 01:20:00	0.028
780	01/01/2000 01:21:00	0.028
780	01/01/2000 01:22:00	0.028
780	01/01/2000 01:23:00	0.028
780	01/01/2000 01:24:00	0.028
780	01/01/2000 01:25:00	0.028
780	01/01/2000 01:26:00	0.028
780	01/01/2000 01:27:00	0.028
780	01/01/2000 01:28:00	0.028
780	01/01/2000 01:29:00	0.028
780	01/01/2000 01:30:00	0.028
780	01/01/2000 01:31:00	0.028
780	01/01/2000 01:32:00	0.028
780	01/01/2000 01:33:00	0.028
780	01/01/2000 01:34:00	0.028
780	01/01/2000 01:35:00	0.028
780	01/01/2000 01:36:00	0.028
780	01/01/2000 01:37:00	0.027999
780	01/01/2000 01:38:00	0.027899
780	01/01/2000 01:39:00	0.027798
780	01/01/2000 01:40:00	0.027696
780	01/01/2000 01:41:00	0.027595
780	01/01/2000 01:42:00	0.027491
780	01/01/2000 01:43:00	0.027386
780	01/01/2000 01:44:00	0.02728
780	01/01/2000 01:45:00	0.027173
780	01/01/2000 01:46:00	0.027065
780	01/01/2000 01:47:00	0.027
780	01/01/2000 01:48:00	0.027
780	01/01/2000 01:49:00	0.027
780	01/01/2000 01:50:00	0.027
780	01/01/2000 01:51:00	0.027
780	01/01/2000 01:52:00	0.021805
780	01/01/2000 01:53:00	0.007856
780	01/01/2000 01:54:00	0.005339
780	01/01/2000 01:55:00	0.004978
780	01/01/2000 01:56:00	0.004812
780	01/01/2000 01:57:00	0.004693
780	01/01/2000 01:58:00	0.004603
780	01/01/2000 01:59:00	0.004532
780	01/01/2000 02:00:00	0.004477
780	01/01/2000 02:01:00	0.004392
780	01/01/2000 02:02:00	0.004228
780	01/01/2000 02:03:00	0.004044
780	01/01/2000 02:04:00	0.003893
780	01/01/2000 02:05:00	0.003764
780	01/01/2000 02:06:00	0.003656
780	01/01/2000 02:07:00	0.003573
780	01/01/2000 02:08:00	0.003508
780	01/01/2000 02:09:00	0.003458
780	01/01/2000 02:10:00	0.003419
780	01/01/2000 02:11:00	0.00336
780	01/01/2000 02:12:00	0.00325
780	01/01/2000 02:13:00	0.003131
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780	01/01/2000 02:15:00	0.002982
780	01/01/2000 02:16:00	0.002936
780	01/01/2000 02:17:00	0.002903
780	01/01/2000 02:18:00	0.002879
780	01/01/2000 02:19:00	0.002861
780	01/01/2000 02:20:00	0.002847
780	01/01/2000 02:21:00	0.002816
780	01/01/2000 02:22:00	0.002744
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780	01/01/2000 02:24:00	0.002611
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780	01/01/2000 02:29:00	0.002522
780	01/01/2000 02:30:00	0.002517
780	01/01/2000 02:31:00	0.002498
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780	01/01/2000 02:35:00	0.002319
780	01/01/2000 02:36:00	0.002303
780	01/01/2000 02:37:00	0.002292
780	01/01/2000 02:38:00	0.002286
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780	01/01/2000 02:43:00	0.002172
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780	01/01/2000 02:49:00	0.00209
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780	01/01/2000 02:54:00	0.001972
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780	01/01/2000 02:56:00	0.001944
780	01/01/2000 02:57:00	0.001938
780	01/01/2000 02:58:00	0.001933
780	01/01/2000 02:59:00	0.001931
780	01/01/2000 03:00:00	0.001929
780	01/01/2000 03:01:00	0.00179
780	01/01/2000 03:02:00	0.001364
780	01/01/2000 03:03:00	0.000881
780	01/01/2000 03:04:00	0.000558
780	01/01/2000 03:05:00	0.000353
780	01/01/2000 03:06:00	0.000223
780	01/01/2000 03:07:00	0.000141
780	01/01/2000 03:08:00	8.9E-05

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780             01/01/2000 03:09:00   5.6E-05
780             01/01/2000 03:10:00   3.6E-05
780             01/01/2000 03:11:00   2.3E-05
780             01/01/2000 03:12:00   1.4E-05
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780             01/01/2000 03:18:00   0
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780             01/01/2000 03:59:00   0
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780             01/01/2000 04:02:00   0
780             01/01/2000 04:03:00   0
780             01/01/2000 04:04:00   0
780             01/01/2000 04:05:00   0
780             01/01/2000 04:06:00   0
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780             01/01/2000 04:08:00   0
780             01/01/2000 04:09:00   0
780             01/01/2000 04:10:00   0
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780             01/01/2000 04:12:00   0
780             01/01/2000 04:13:00   0
780             01/01/2000 04:14:00   0
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780             01/01/2000 04:16:00   0

;Flow (m³/s)
781             01/01/2000 00:00:00   0
781             01/01/2000 00:01:00   0
781             01/01/2000 00:02:00   0
781             01/01/2000 00:03:00   0
781             01/01/2000 00:04:00   0
781             01/01/2000 00:05:00   0
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781             01/01/2000 00:07:00   0
781             01/01/2000 00:08:00   0
781             01/01/2000 00:09:00   0
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781             01/01/2000 00:11:00   0
781             01/01/2000 00:12:00   0
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781             01/01/2000 00:14:00   0
781             01/01/2000 00:15:00   6.3E-05
781             01/01/2000 00:16:00   0.000324
781             01/01/2000 00:17:00   0.000765
781             01/01/2000 00:18:00   0.00119
781             01/01/2000 00:19:00   0.001495
781             01/01/2000 00:20:00   0.001697
781             01/01/2000 00:21:00   0.001869
781             01/01/2000 00:22:00   0.002086
781             01/01/2000 00:23:00   0.002308
781             01/01/2000 00:24:00   0.002469
781             01/01/2000 00:25:00   0.002577
781             01/01/2000 00:26:00   0.002646
781             01/01/2000 00:27:00   0.00269
781             01/01/2000 00:28:00   0.002718
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781             01/01/2000 00:30:00   0.002746
781             01/01/2000 00:31:00   0.002846
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781             01/01/2000 00:34:00   0.003814
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781             01/01/2000 00:46:00   0.011447
781             01/01/2000 00:47:00   0.012209
781             01/01/2000 00:48:00   0.012842
781             01/01/2000 00:49:00   0.013385
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781             01/01/2000 00:51:00   0.015524
781             01/01/2000 00:52:00   0.019
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781             01/01/2000 00:54:00   0.019
781             01/01/2000 00:55:00   0.019029
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781             01/01/2000 00:57:00   0.019608
781             01/01/2000 00:58:00   0.019936
781             01/01/2000 00:59:00   0.02
781             01/01/2000 01:00:00   0.02
781             01/01/2000 01:01:00   0.02
781             01/01/2000 01:02:00   0.02
781             01/01/2000 01:03:00   0.02
781             01/01/2000 01:04:00   0.02
781             01/01/2000 01:05:00   0.02
781             01/01/2000 01:06:00   0.02
781             01/01/2000 01:07:00   0.02
781             01/01/2000 01:08:00   0.02
781             01/01/2000 01:09:00   0.02
781             01/01/2000 01:10:00   0.02
781             01/01/2000 01:11:00   0.02
781             01/01/2000 01:12:00   0.02
781             01/01/2000 01:13:00   0.02
781             01/01/2000 01:14:00   0.02
781             01/01/2000 01:15:00   0.02
781             01/01/2000 01:16:00   0.02
781             01/01/2000 01:17:00   0.02
781             01/01/2000 01:18:00   0.02
781             01/01/2000 01:19:00   0.02
781             01/01/2000 01:20:00   0.02
781             01/01/2000 01:21:00   0.02
781             01/01/2000 01:22:00   0.02
781             01/01/2000 01:23:00   0.02
781             01/01/2000 01:24:00   0.02
781             01/01/2000 01:25:00   0.02
781             01/01/2000 01:26:00   0.02
781             01/01/2000 01:27:00   0.02
781             01/01/2000 01:28:00   0.02
781             01/01/2000 01:29:00   0.02
781             01/01/2000 01:30:00   0.02
781             01/01/2000 01:31:00   0.02
781             01/01/2000 01:32:00   0.02
781             01/01/2000 01:33:00   0.02
781             01/01/2000 01:34:00   0.02
781             01/01/2000 01:35:00   0.02
781             01/01/2000 01:36:00   0.02
781             01/01/2000 01:37:00   0.02
781             01/01/2000 01:38:00   0.02
781             01/01/2000 01:39:00   0.02
781             01/01/2000 01:40:00   0.02
781             01/01/2000 01:41:00   0.02
781             01/01/2000 01:42:00   0.019952
781             01/01/2000 01:43:00   0.019866
781             01/01/2000 01:44:00   0.019779
781             01/01/2000 01:45:00   0.019692
781             01/01/2000 01:46:00   0.019605
781             01/01/2000 01:47:00   0.019517
781             01/01/2000 01:48:00   0.019429
781             01/01/2000 01:49:00   0.019341
781             01/01/2000 01:50:00   0.019254
781             01/01/2000 01:51:00   0.019166
781             01/01/2000 01:52:00   0.019078
781             01/01/2000 01:53:00   0.019
781             01/01/2000 01:54:00   0.019
781             01/01/2000 01:55:00   0.019
781             01/01/2000 01:56:00   0.019
781             01/01/2000 01:57:00   0.019
781             01/01/2000 01:58:00   0.019
781             01/01/2000 01:59:00   0.017919
781             01/01/2000 02:00:00   0.010223
781             01/01/2000 02:01:00   0.004823
781             01/01/2000 02:02:00   0.003386
781             01/01/2000 02:03:00   0.00293
781             01/01/2000 02:04:00   0.00274
781             01/01/2000 02:05:00   0.002626
781             01/01/2000 02:06:00   0.002543
781             01/01/2000 02:07:00   0.00248
781             01/01/2000 02:08:00   0.002432
781             01/01/2000 02:09:00   0.002394
781             01/01/2000 02:10:00   0.002365
781             01/01/2000 02:11:00   0.002327
781             01/01/2000 02:12:00   0.002258
781             01/01/2000 02:13:00   0.002179
781             01/01/2000 02:14:00   0.002116
781             01/01/2000 02:15:00   0.002069
781             01/01/2000 02:16:00   0.002034
781             01/01/2000 02:17:00   0.002009
781             01/01/2000 02:18:00   0.00199
781             01/01/2000 02:19:00   0.001976
781             01/01/2000 02:20:00   0.001966
781             01/01/2000 02:21:00   0.001947
781             01/01/2000 02:22:00   0.001903
781             01/01/2000 02:23:00   0.001851
781             01/01/2000 02:24:00   0.001811
781             01/01/2000 02:25:00   0.001784
781             01/01/2000 02:26:00   0.001766
781             01/01/2000 02:27:00   0.001754
781             01/01/2000 02:28:00   0.001746
781             01/01/2000 02:29:00   0.001741
781             01/01/2000 02:30:00   0.001737
781             01/01/2000 02:31:00   0.001725
781             01/01/2000 02:32:00   0.001693
781             01/01/2000 02:33:00   0.001654
781             01/01/2000 02:34:00   0.001624
781             01/01/2000 02:35:00   0.001605
781             01/01/2000 02:36:00   0.001592
781             01/01/2000 02:37:00   0.001583
781             01/01/2000 02:38:00   0.001578
781             01/01/2000 02:39:00   0.001574
781             01/01/2000 02:40:00   0.001572
781             01/01/2000 02:41:00   0.001563
781             01/01/2000 02:42:00   0.001537
781             01/01/2000 02:43:00   0.001506
781             01/01/2000 02:44:00   0.001482
781             01/01/2000 02:45:00   0.001466
781             01/01/2000 02:46:00   0.001456
781             01/01/2000 02:47:00   0.001449
781             01/01/2000 02:48:00   0.001445
781             01/01/2000 02:49:00   0.001442
781             01/01/2000 02:50:00   0.00144
781             01/01/2000 02:51:00   0.001433
781             01/01/2000 02:52:00   0.001411
781             01/01/2000 02:53:00   0.001385
781             01/01/2000 02:54:00   0.001365
781             01/01/2000 02:55:00   0.001352
781             01/01/2000 02:56:00   0.001343
781             01/01/2000 02:57:00   0.001338
781             01/01/2000 02:58:00   0.001334
781             01/01/2000 02:59:00   0.001332
781             01/01/2000 03:00:00   0.001331
781             01/01/2000 03:01:00   0.001252
781             01/01/2000 03:02:00   0.001
781             01/01/2000 03:03:00   0.000685
781             01/01/2000 03:04:00   0.000446
781             01/01/2000 03:05:00   0.000285
781             01/01/2000 03:06:00   0.000181
781             01/01/2000 03:07:00   0.000115
781             01/01/2000 03:08:00   7.3E-05
781             01/01/2000 03:09:00   4.6E-05
781             01/01/2000 03:10:00   2.9E-05
781             01/01/2000 03:11:00   1.8E-05
781             01/01/2000 03:12:00   1.2E-05
781             01/01/2000 03:13:00   0
781             01/01/2000 03:14:00   0
781             01/01/2000 03:15:00   0
781             01/01/2000 03:16:00   0
781             01/01/2000 03:17:00   0
781             01/01/2000 03:18:00   0
781             01/01/2000 03:19:00   0
781             01/01/2000 03:20:00   0
781             01/01/2000 03:21:00   0
781             01/01/2000 03:22:00   0
781             01/01/2000 03:23:00   0
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781             01/01/2000 03:28:00   0
781             01/01/2000 03:29:00   0
781             01/01/2000 03:30:00   0
781             01/01/2000 03:31:00   0
781             01/01/2000 03:32:00   0
781             01/01/2000 03:33:00   0
781             01/01/2000 03:34:00   0
781             01/01/2000 03:35:00   0
781             01/01/2000 03:36:00   0
781             01/01/2000 03:37:00   0
781             01/01/2000 03:38:00   0
781             01/01/2000 03:39:00   0
781             01/01/2000 03:40:00   0
781             01/01/2000 03:41:00   0
781             01/01/2000 03:42:00   0
781             01/01/2000 03:43:00   0
781             01/01/2000 03:44:00   0
781             01/01/2000 03:45:00   0
781             01/01/2000 03:46:00   0
781             01/01/2000 03:47:00   0
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781	01/01/2000 03:48:00	0
781	01/01/2000 03:49:00	0
781	01/01/2000 03:50:00	0
781	01/01/2000 03:51:00	0
781	01/01/2000 03:52:00	0
781	01/01/2000 03:53:00	0
781	01/01/2000 03:54:00	0
781	01/01/2000 03:55:00	0
781	01/01/2000 03:56:00	0
781	01/01/2000 03:57:00	0
781	01/01/2000 03:58:00	0
781	01/01/2000 03:59:00	0
781	01/01/2000 04:00:00	0
781	01/01/2000 04:01:00	0
781	01/01/2000 04:02:00	0
781	01/01/2000 04:03:00	0
781	01/01/2000 04:04:00	0
781	01/01/2000 04:05:00	0
781	01/01/2000 04:06:00	0
781	01/01/2000 04:07:00	0
781	01/01/2000 04:08:00	0
781	01/01/2000 04:09:00	0
781	01/01/2000 04:10:00	0
781	01/01/2000 04:11:00	0
781	01/01/2000 04:12:00	0
781	01/01/2000 04:13:00	0
781	01/01/2000 04:14:00	0
781	01/01/2000 04:15:00	0
781	01/01/2000 04:16:00	0

;Flow (m³/s)

783	01/01/2000 00:00:00	0
783	01/01/2000 00:01:00	0
783	01/01/2000 00:02:00	0
783	01/01/2000 00:03:00	0
783	01/01/2000 00:04:00	0
783	01/01/2000 00:05:00	0
783	01/01/2000 00:06:00	0
783	01/01/2000 00:07:00	0
783	01/01/2000 00:08:00	0
783	01/01/2000 00:09:00	0
783	01/01/2000 00:10:00	0
783	01/01/2000 00:11:00	0
783	01/01/2000 00:12:00	0
783	01/01/2000 00:13:00	0
783	01/01/2000 00:14:00	0
783	01/01/2000 00:15:00	9.3E-05
783	01/01/2000 00:16:00	0.000455
783	01/01/2000 00:17:00	0.001013
783	01/01/2000 00:18:00	0.001489
783	01/01/2000 00:19:00	0.001798
783	01/01/2000 00:20:00	0.001997
783	01/01/2000 00:21:00	0.002187
783	01/01/2000 00:22:00	0.002454
783	01/01/2000 00:23:00	0.002711
783	01/01/2000 00:24:00	0.002877
783	01/01/2000 00:25:00	0.002984
783	01/01/2000 00:26:00	0.003054
783	01/01/2000 00:27:00	0.003098
783	01/01/2000 00:28:00	0.003127
783	01/01/2000 00:29:00	0.003146
783	01/01/2000 00:30:00	0.003158
783	01/01/2000 00:31:00	0.003302
783	01/01/2000 00:32:00	0.003715
783	01/01/2000 00:33:00	0.004168
783	01/01/2000 00:34:00	0.004462
783	01/01/2000 00:35:00	0.004652
783	01/01/2000 00:36:00	0.004775
783	01/01/2000 00:37:00	0.004854
783	01/01/2000 00:38:00	0.004906
783	01/01/2000 00:39:00	0.004939
783	01/01/2000 00:40:00	0.00496
783	01/01/2000 00:41:00	0.005588
783	01/01/2000 00:42:00	0.007451
783	01/01/2000 00:43:00	0.009582
783	01/01/2000 00:44:00	0.011146
783	01/01/2000 00:45:00	0.012389
783	01/01/2000 00:46:00	0.013405
783	01/01/2000 00:47:00	0.014229
783	01/01/2000 00:48:00	0.014922
783	01/01/2000 00:49:00	0.015523
783	01/01/2000 00:50:00	0.016057
783	01/01/2000 00:51:00	0.02033
783	01/01/2000 00:52:00	0.028732
783	01/01/2000 00:53:00	0.031
783	01/01/2000 00:54:00	0.031
783	01/01/2000 00:55:00	0.031
783	01/01/2000 00:56:00	0.031
783	01/01/2000 00:57:00	0.031
783	01/01/2000 00:58:00	0.031123
783	01/01/2000 00:59:00	0.031302
783	01/01/2000 01:00:00	0.031492
783	01/01/2000 01:01:00	0.031686
783	01/01/2000 01:02:00	0.031869
783	01/01/2000 01:03:00	0.032
783	01/01/2000 01:04:00	0.032
783	01/01/2000 01:05:00	0.032
783	01/01/2000 01:06:00	0.032103
783	01/01/2000 01:07:00	0.032383
783	01/01/2000 01:08:00	0.032726
783	01/01/2000 01:09:00	0.033
783	01/01/2000 01:10:00	0.033
783	01/01/2000 01:11:00	0.033
783	01/01/2000 01:12:00	0.033
783	01/01/2000 01:13:00	0.033
783	01/01/2000 01:14:00	0.033
783	01/01/2000 01:15:00	0.033
783	01/01/2000 01:16:00	0.033
783	01/01/2000 01:17:00	0.033
783	01/01/2000 01:18:00	0.033
783	01/01/2000 01:19:00	0.033
783	01/01/2000 01:20:00	0.033
783	01/01/2000 01:21:00	0.033
783	01/01/2000 01:22:00	0.033
783	01/01/2000 01:23:00	0.033
783	01/01/2000 01:24:00	0.033
783	01/01/2000 01:25:00	0.033
783	01/01/2000 01:26:00	0.033
783	01/01/2000 01:27:00	0.033
783	01/01/2000 01:28:00	0.032969
783	01/01/2000 01:29:00	0.032829
783	01/01/2000 01:30:00	0.032688
783	01/01/2000 01:31:00	0.032546
783	01/01/2000 01:32:00	0.032403
783	01/01/2000 01:33:00	0.03226
783	01/01/2000 01:34:00	0.032143
783	01/01/2000 01:35:00	0.032078
783	01/01/2000 01:36:00	0.032011
783	01/01/2000 01:37:00	0.032
783	01/01/2000 01:38:00	0.032
783	01/01/2000 01:39:00	0.032
783	01/01/2000 01:40:00	0.032
783	01/01/2000 01:41:00	0.032
783	01/01/2000 01:42:00	0.032
783	01/01/2000 01:43:00	0.031935
783	01/01/2000 01:44:00	0.031857
783	01/01/2000 01:45:00	0.031779
783	01/01/2000 01:46:00	0.0317
783	01/01/2000 01:47:00	0.031622
783	01/01/2000 01:48:00	0.031543
783	01/01/2000 01:49:00	0.031464
783	01/01/2000 01:50:00	0.031385
783	01/01/2000 01:51:00	0.031306
783	01/01/2000 01:52:00	0.031227
783	01/01/2000 01:53:00	0.031147
783	01/01/2000 01:54:00	0.031067
783	01/01/2000 01:55:00	0.031
783	01/01/2000 01:56:00	0.031
783	01/01/2000 01:57:00	0.031
783	01/01/2000 01:58:00	0.031
783	01/01/2000 01:59:00	0.031
783	01/01/2000 02:00:00	0.031
783	01/01/2000 02:01:00	0.031
783	01/01/2000 02:02:00	0.025846
783	01/01/2000 02:03:00	0.005077
783	01/01/2000 02:04:00	0.003105
783	01/01/2000 02:05:00	0.002989
783	01/01/2000 02:06:00	0.002904
783	01/01/2000 02:07:00	0.002838
783	01/01/2000 02:08:00	0.002787
783	01/01/2000 02:09:00	0.002747
783	01/01/2000 02:10:00	0.002715
783	01/01/2000 02:11:00	0.002667
783	01/01/2000 02:12:00	0.002578
783	01/01/2000 02:13:00	0.002485
783	01/01/2000 02:14:00	0.002418
783	01/01/2000 02:15:00	0.002369
783	01/01/2000 02:16:00	0.002332
783	01/01/2000 02:17:00	0.002306
783	01/01/2000 02:18:00	0.002286
783	01/01/2000 02:19:00	0.002272
783	01/01/2000 02:20:00	0.00226
783	01/01/2000 02:21:00	0.002234
783	01/01/2000 02:22:00	0.002176
783	01/01/2000 02:23:00	0.002114
783	01/01/2000 02:24:00	0.002073
783	01/01/2000 02:25:00	0.002046
783	01/01/2000 02:26:00	0.002028
783	01/01/2000 02:27:00	0.002015
783	01/01/2000 02:28:00	0.002007
783	01/01/2000 02:29:00	0.002002
783	01/01/2000 02:30:00	0.001998
783	01/01/2000 02:31:00	0.001981
783	01/01/2000 02:32:00	0.001938
783	01/01/2000 02:33:00	0.001891
783	01/01/2000 02:34:00	0.001861
783	01/01/2000 02:35:00	0.001841
783	01/01/2000 02:36:00	0.001828
783	01/01/2000 02:37:00	0.001819
783	01/01/2000 02:38:00	0.001814
783	01/01/2000 02:39:00	0.00181
783	01/01/2000 02:40:00	0.001808
783	01/01/2000 02:41:00	0.001795
783	01/01/2000 02:42:00	0.00176
783	01/01/2000 02:43:00	0.001723
783	01/01/2000 02:44:00	0.001698
783	01/01/2000 02:45:00	0.001682
783	01/01/2000 02:46:00	0.001672
783	01/01/2000 02:47:00	0.001665
783	01/01/2000 02:48:00	0.001661
783	01/01/2000 02:49:00	0.001658
783	01/01/2000 02:50:00	0.001656
783	01/01/2000 02:51:00	0.001646
783	01/01/2000 02:52:00	0.001617
783	01/01/2000 02:53:00	0.001585
783	01/01/2000 02:54:00	0.001565
783	01/01/2000 02:55:00	0.001552
783	01/01/2000 02:56:00	0.001543
783	01/01/2000 02:57:00	0.001538
783	01/01/2000 02:58:00	0.001534
783	01/01/2000 02:59:00	0.001532
783	01/01/2000 03:00:00	0.00153
783	01/01/2000 03:01:00	0.001415
783	01/01/2000 03:02:00	0.001072
783	01/01/2000 03:03:00	0.000694
783	01/01/2000 03:04:00	0.000448
783	01/01/2000 03:05:00	0.00029
783	01/01/2000 03:06:00	0.000187
783	01/01/2000 03:07:00	0.000121
783	01/01/2000 03:08:00	7.8E-05
783	01/01/2000 03:09:00	5E-05
783	01/01/2000 03:10:00	3.3E-05
783	01/01/2000 03:11:00	2.1E-05
783	01/01/2000 03:12:00	1.4E-05
783	01/01/2000 03:13:00	0
783	01/01/2000 03:14:00	0
783	01/01/2000 03:15:00	0
783	01/01/2000 03:16:00	0
783	01/01/2000 03:17:00	0
783	01/01/2000 03:18:00	0
783	01/01/2000 03:19:00	0
783	01/01/2000 03:20:00	0
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783	01/01/2000 03:22:00	0
783	01/01/2000 03:23:00	0
783	01/01/2000 03:24:00	0
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783	01/01/2000 03:26:00	0
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783	01/01/2000 03:44:00	0
783	01/01/2000 03:45:00	0
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783	01/01/2000 03:57:00	0
783	01/01/2000 03:58:00	0
783	01/01/2000 03:59:00	0
783	01/01/2000 04:00:00	0
783	01/01/2000 04:01:00	0
783	01/01/2000 04:02:00	0
783	01/01/2000 04:03:00	0
783	01/01/2000 04:04:00	0
783	01/01/2000 04:05:00	0
783	01/01/2000 04:06:00	0
783	01/01/2000 04:07:00	0
783	01/01/2000 04:08:00	0
783	01/01/2000 04:09:00	0
783	01/01/2000 04:10:00	0
783	01/01/2000 04:11:00	0
783	01/01/2000 04:12:00	0
783	01/01/2000 04:13:00	0
783	01/01/2000 04:14:00	0
783	01/01/2000 04:15:00	0
783	01/01/2000 04:16:00	0

;Flow (m³/s)

790	01/01/2000 00:00:00	0
790	01/01/2000 00:01:00	0
790	01/01/2000 00:02:00	0
790	01/01/2000 00:03:00	0
790	01/01/2000 00:04:00	0
790	01/01/2000 00:05:00	0
790	01/01/2000 00:06:00	0
790	01/01/2000 00:07:00	0

790	01/01/2000 00:08:00	0
790	01/01/2000 00:09:00	0
790	01/01/2000 00:10:00	0
790	01/01/2000 00:11:00	0
790	01/01/2000 00:12:00	0
790	01/01/2000 00:13:00	0
790	01/01/2000 00:14:00	0
790	01/01/2000 00:15:00	0.000271
790	01/01/2000 00:16:00	0.0013
790	01/01/2000 00:17:00	0.00309
790	01/01/2000 00:18:00	0.004954
790	01/01/2000 00:19:00	0.00629
790	01/01/2000 00:20:00	0.007139
790	01/01/2000 00:21:00	0.007884
790	01/01/2000 00:22:00	0.008772
790	01/01/2000 00:23:00	0.009735
790	01/01/2000 00:24:00	0.010486
790	01/01/2000 00:25:00	0.010952
790	01/01/2000 00:26:00	0.011267
790	01/01/2000 00:27:00	0.011475
790	01/01/2000 00:28:00	0.011613
790	01/01/2000 00:29:00	0.011706
790	01/01/2000 00:30:00	0.011769
790	01/01/2000 00:31:00	0.012209
790	01/01/2000 00:32:00	0.013385
790	01/01/2000 00:33:00	0.014992
790	01/01/2000 00:34:00	0.016304
790	01/01/2000 00:35:00	0.017101
790	01/01/2000 00:36:00	0.017641
790	01/01/2000 00:37:00	0.017992
790	01/01/2000 00:38:00	0.018227
790	01/01/2000 00:39:00	0.018383
790	01/01/2000 00:40:00	0.018488
790	01/01/2000 00:41:00	0.020559
790	01/01/2000 00:42:00	0.026323
790	01/01/2000 00:43:00	0.034528
790	01/01/2000 00:44:00	0.042166
790	01/01/2000 00:45:00	0.048247
790	01/01/2000 00:46:00	0.053558
790	01/01/2000 00:47:00	0.058217
790	01/01/2000 00:48:00	0.062194
790	01/01/2000 00:49:00	0.06566
790	01/01/2000 00:50:00	0.068498
790	01/01/2000 00:51:00	0.08109
790	01/01/2000 00:52:00	0.096663
790	01/01/2000 00:53:00	0.100251
790	01/01/2000 00:54:00	0.101561
790	01/01/2000 00:55:00	0.102515
790	01/01/2000 00:56:00	0.103
790	01/01/2000 00:57:00	0.103941
790	01/01/2000 00:58:00	0.104
790	01/01/2000 00:59:00	0.104176
790	01/01/2000 01:00:00	0.105316
790	01/01/2000 01:01:00	0.105605
790	01/01/2000 01:02:00	0.105734
790	01/01/2000 01:03:00	0.105715
790	01/01/2000 01:04:00	0.105593
790	01/01/2000 01:05:00	0.105422
790	01/01/2000 01:06:00	0.105243
790	01/01/2000 01:07:00	0.105081
790	01/01/2000 01:08:00	0.105
790	01/01/2000 01:09:00	0.105
790	01/01/2000 01:10:00	0.105
790	01/01/2000 01:11:00	0.105
790	01/01/2000 01:12:00	0.105
790	01/01/2000 01:13:00	0.105
790	01/01/2000 01:14:00	0.104993
790	01/01/2000 01:15:00	0.104737
790	01/01/2000 01:16:00	0.104459
790	01/01/2000 01:17:00	0.104178
790	01/01/2000 01:18:00	0.103979
790	01/01/2000 01:19:00	0.103705
790	01/01/2000 01:20:00	0.103441
790	01/01/2000 01:21:00	0.103187
790	01/01/2000 01:22:00	0.103
790	01/01/2000 01:23:00	0.103
790	01/01/2000 01:24:00	0.103
790	01/01/2000 01:25:00	0.103
790	01/01/2000 01:26:00	0.103
790	01/01/2000 01:27:00	0.101311
790	01/01/2000 01:28:00	0.099595
790	01/01/2000 01:29:00	0.098082
790	01/01/2000 01:30:00	0.096749
790	01/01/2000 01:31:00	0.095606
790	01/01/2000 01:32:00	0.094723
790	01/01/2000 01:33:00	0.093893
790	01/01/2000 01:34:00	0.092664
790	01/01/2000 01:35:00	0.091331
790	01/01/2000 01:36:00	0.090571
790	01/01/2000 01:37:00	0.05605
790	01/01/2000 01:38:00	0.050739
790	01/01/2000 01:39:00	0.050868
790	01/01/2000 01:40:00	0.049744
790	01/01/2000 01:41:00	0.048971
790	01/01/2000 01:42:00	0.047913
790	01/01/2000 01:43:00	0.046718
790	01/01/2000 01:44:00	0.045539
790	01/01/2000 01:45:00	0.044501
790	01/01/2000 01:46:00	0.043566
790	01/01/2000 01:47:00	0.042758
790	01/01/2000 01:48:00	0.042098
790	01/01/2000 01:49:00	0.04156
790	01/01/2000 01:50:00	0.041119
790	01/01/2000 01:51:00	0.040583
790	01/01/2000 01:52:00	0.039881
790	01/01/2000 01:53:00	0.039054
790	01/01/2000 01:54:00	0.038234
790	01/01/2000 01:55:00	0.037497
790	01/01/2000 01:56:00	0.036822
790	01/01/2000 01:57:00	0.036225
790	01/01/2000 01:58:00	0.035722
790	01/01/2000 01:59:00	0.035296
790	01/01/2000 02:00:00	0.034931
790	01/01/2000 02:01:00	0.034528
790	01/01/2000 02:02:00	0.034026
790	01/01/2000 02:03:00	0.022292
790	01/01/2000 02:04:00	0.014546
790	01/01/2000 02:05:00	0.012866
790	01/01/2000 02:06:00	0.012199
790	01/01/2000 02:07:00	0.011758
790	01/01/2000 02:08:00	0.011421
790	01/01/2000 02:09:00	0.011153
790	01/01/2000 02:10:00	0.010936
790	01/01/2000 02:11:00	0.010687
790	01/01/2000 02:12:00	0.010337
790	01/01/2000 02:13:00	0.009931
790	01/01/2000 02:14:00	0.009581
790	01/01/2000 02:15:00	0.009323
790	01/01/2000 02:16:00	0.009119
790	01/01/2000 02:17:00	0.00896
790	01/01/2000 02:18:00	0.008835
790	01/01/2000 02:19:00	0.008738
790	01/01/2000 02:20:00	0.00866
790	01/01/2000 02:21:00	0.008547
790	01/01/2000 02:22:00	0.008352
790	01/01/2000 02:23:00	0.00811
790	01/01/2000 02:24:00	0.007912
790	01/01/2000 02:25:00	0.007784
790	01/01/2000 02:26:00	0.007693
790	01/01/2000 02:27:00	0.00763
790	01/01/2000 02:28:00	0.007584
790	01/01/2000 02:29:00	0.007551
790	01/01/2000 02:30:00	0.007527
790	01/01/2000 02:31:00	0.007468
790	01/01/2000 02:32:00	0.007338
790	01/01/2000 02:33:00	0.007166
790	01/01/2000 02:34:00	0.007027
790	01/01/2000 02:35:00	0.00694
790	01/01/2000 02:36:00	0.006881
790	01/01/2000 02:37:00	0.006841
790	01/01/2000 02:38:00	0.006814
790	01/01/2000 02:39:00	0.006796
790	01/01/2000 02:40:00	0.006783
790	01/01/2000 02:41:00	0.006741
790	01/01/2000 02:42:00	0.006639
790	01/01/2000 02:43:00	0.006504
790	01/01/2000 02:44:00	0.006393
790	01/01/2000 02:45:00	0.006325
790	01/01/2000 02:46:00	0.006279
790	01/01/2000 02:47:00	0.006249
790	01/01/2000 02:48:00	0.006229
790	01/01/2000 02:49:00	0.006216
790	01/01/2000 02:50:00	0.006206
790	01/01/2000 02:51:00	0.006173
790	01/01/2000 02:52:00	0.006089
790	01/01/2000 02:53:00	0.005977
790	01/01/2000 02:54:00	0.005885
790	01/01/2000 02:55:00	0.005829
790	01/01/2000 02:56:00	0.005791
790	01/01/2000 02:57:00	0.005767
790	01/01/2000 02:58:00	0.00575
790	01/01/2000 02:59:00	0.005739
790	01/01/2000 03:00:00	0.005732
790	01/01/2000 03:01:00	0.005393
790	01/01/2000 03:02:00	0.004426
790	01/01/2000 03:03:00	0.003091
790	01/01/2000 03:04:00	0.001998
790	01/01/2000 03:05:00	0.001336
790	01/01/2000 03:06:00	0.000887
790	01/01/2000 03:07:00	0.000595
790	01/01/2000 03:08:00	0.0004
790	01/01/2000 03:09:00	0.00027
790	01/01/2000 03:10:00	0.000183
790	01/01/2000 03:11:00	0.000124
790	01/01/2000 03:12:00	8.5E-05
790	01/01/2000 03:13:00	5.8E-05
790	01/01/2000 03:14:00	3.9E-05
790	01/01/2000 03:15:00	2.7E-05
790	01/01/2000 03:16:00	1.8E-05
790	01/01/2000 03:17:00	1.3E-05
790	01/01/2000 03:18:00	0
790	01/01/2000 03:19:00	0
790	01/01/2000 03:20:00	0
790	01/01/2000 03:21:00	0
790	01/01/2000 03:22:00	0
790	01/01/2000 03:23:00	0
790	01/01/2000 03:24:00	0
790	01/01/2000 03:25:00	0
790	01/01/2000 03:26:00	0
790	01/01/2000 03:27:00	0
790	01/01/2000 03:28:00	0
790	01/01/2000 03:29:00	0
790	01/01/2000 03:30:00	0
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790	01/01/2000 03:33:00	0
790	01/01/2000 03:34:00	0
790	01/01/2000 03:35:00	0
790	01/01/2000 03:36:00	0
790	01/01/2000 03:37:00	0
790	01/01/2000 03:38:00	0
790	01/01/2000 03:39:00	0
790	01/01/2000 03:40:00	0
790	01/01/2000 03:41:00	0
790	01/01/2000 03:42:00	0
790	01/01/2000 03:43:00	0
790	01/01/2000 03:44:00	0
790	01/01/2000 03:45:00	0
790	01/01/2000 03:46:00	0
790	01/01/2000 03:47:00	0
790	01/01/2000 03:48:00	0
790	01/01/2000 03:49:00	0
790	01/01/2000 03:50:00	0
790	01/01/2000 03:51:00	0
790	01/01/2000 03:52:00	0
790	01/01/2000 03:53:00	0
790	01/01/2000 03:54:00	0
790	01/01/2000 03:55:00	0
790	01/01/2000 03:56:00	0
790	01/01/2000 03:57:00	0
790	01/01/2000 03:58:00	0
790	01/01/2000 03:59:00	0
790	01/01/2000 04:00:00	0
790	01/01/2000 04:01:00	0
790	01/01/2000 04:02:00	0
790	01/01/2000 04:03:00	0
790	01/01/2000 04:04:00	0
790	01/01/2000 04:05:00	0
790	01/01/2000 04:06:00	0
790	01/01/2000 04:07:00	0
790	01/01/2000 04:08:00	0
790	01/01/2000 04:09:00	0
790	01/01/2000 04:10:00	0
790	01/01/2000 04:11:00	0
790	01/01/2000 04:12:00	0
790	01/01/2000 04:13:00	0
790	01/01/2000 04:14:00	0
790	01/01/2000 04:15:00	0
790	01/01/2000 04:16:00	0

;Flow (m³/s)

800	01/01/2000 00:00:00	0
800	01/01/2000 00:01:00	0
800	01/01/2000 00:02:00	0
800	01/01/2000 00:03:00	0
800	01/01/2000 00:04:00	0
800	01/01/2000 00:05:00	0
800	01/01/2000 00:06:00	0
800	01/01/2000 00:07:00	0
800	01/01/2000 00:08:00	0
800	01/01/2000 00:09:00	0
800	01/01/2000 00:10:00	0
800	01/01/2000 00:11:00	0
800	01/01/2000 00:12:00	0
800	01/01/2000 00:13:00	0
800	01/01/2000 00:14:00	0
800	01/01/2000 00:15:00	0.000163
800	01/01/2000 00:16:00	0.000806
800	01/01/2000 00:17:00	0.001795
800	01/01/2000 00:18:00	0.002613
800	01/01/2000 00:19:00	0.003106
800	01/01/2000 00:20:00	0.003395
800	01/01/2000 00:21:00	0.003672
800	01/01/2000 00:22:00	0.004099
800	01/01/2000 00:23:00	0.004514
800	01/01/2000 00:24:00	0.004767
800	01/01/2000 00:25:00	0.004916
800	01/01/2000 00:26:00	0.005003
800	01/01/2000 00:27:00	0.005054
800	01/01/2000 00:28:00	0.005084
800	01/01/2000 00:29:00	0.005101
800	01/01/2000 00:30:00	0.005112
800	01/01/2000 00:31:00	0.005356
800	01/01/2000 00:32:00	0.006086
800	01/01/2000 00:33:00	0.006881
800	01/01/2000 00:34:00	0.007367
800	01/01/2000 00:35:00	0.007652
800	01/01/2000 00:36:00	0.007821
800	01/01/2000 00:37:00	0.007919
800	01/01/2000 00:38:00	0.007976
800	01/01/2000 00:39:00	0.00801
800	01/01/2000 00:40:00	0.00803
800	01/01/2000 00:41:00	0.00928
800	01/01/2000 00:42:00	0.012964
800	01/01/2000 00:43:00	0.017349
800	01/01/2000 00:44:00	0.020899
800	01/01/2000 00:45:00	0.023721
800	01/01/2000 00:46:00	0.025914

800	01/01/2000 00:47:00	0.028437
800	01/01/2000 00:48:00	0.030876
800	01/01/2000 00:49:00	0.033183
800	01/01/2000 00:50:00	0.035358
800	01/01/2000 00:51:00	0.0409
800	01/01/2000 00:52:00	0.046278
800	01/01/2000 00:53:00	0.053148
800	01/01/2000 00:54:00	0.05393
800	01/01/2000 00:55:00	0.054
800	01/01/2000 00:56:00	0.055
800	01/01/2000 00:57:00	0.055
800	01/01/2000 00:58:00	0.055
800	01/01/2000 00:59:00	0.055
800	01/01/2000 01:00:00	0.055
800	01/01/2000 01:01:00	0.055
800	01/01/2000 01:02:00	0.055
800	01/01/2000 01:03:00	0.055
800	01/01/2000 01:04:00	0.055
800	01/01/2000 01:05:00	0.055
800	01/01/2000 01:06:00	0.055
800	01/01/2000 01:07:00	0.055
800	01/01/2000 01:08:00	0.055
800	01/01/2000 01:09:00	0.055
800	01/01/2000 01:10:00	0.055
800	01/01/2000 01:11:00	0.055
800	01/01/2000 01:12:00	0.055
800	01/01/2000 01:13:00	0.055
800	01/01/2000 01:14:00	0.055
800	01/01/2000 01:15:00	0.055
800	01/01/2000 01:16:00	0.055
800	01/01/2000 01:17:00	0.055
800	01/01/2000 01:18:00	0.055
800	01/01/2000 01:19:00	0.055
800	01/01/2000 01:20:00	0.055
800	01/01/2000 01:21:00	0.055
800	01/01/2000 01:22:00	0.054754
800	01/01/2000 01:23:00	0.054458
800	01/01/2000 01:24:00	0.054164
800	01/01/2000 01:25:00	0.053898
800	01/01/2000 01:26:00	0.052087
800	01/01/2000 01:27:00	0.050307
800	01/01/2000 01:28:00	0.048785
800	01/01/2000 01:29:00	0.047486
800	01/01/2000 01:30:00	0.046376
800	01/01/2000 01:31:00	0.045366
800	01/01/2000 01:32:00	0.044433
800	01/01/2000 01:33:00	0.043557
800	01/01/2000 01:34:00	0.042721
800	01/01/2000 01:35:00	0.041911
800	01/01/2000 01:36:00	0.041011
800	01/01/2000 01:37:00	0.040055
800	01/01/2000 01:38:00	0.039214
800	01/01/2000 01:39:00	0.038474
800	01/01/2000 01:40:00	0.037819
800	01/01/2000 01:41:00	0.037199
800	01/01/2000 01:42:00	0.036669
800	01/01/2000 01:43:00	0.036251
800	01/01/2000 01:44:00	0.035843
800	01/01/2000 01:45:00	0.035436
800	01/01/2000 01:46:00	0.026781
800	01/01/2000 01:47:00	0.013943
800	01/01/2000 01:48:00	0.012814
800	01/01/2000 01:49:00	0.012384
800	01/01/2000 01:50:00	0.012057
800	01/01/2000 01:51:00	0.011673
800	01/01/2000 01:52:00	0.011121
800	01/01/2000 01:53:00	0.010524
800	01/01/2000 01:54:00	0.009988
800	01/01/2000 01:55:00	0.009511
800	01/01/2000 01:56:00	0.009097
800	01/01/2000 01:57:00	0.008722
800	01/01/2000 01:58:00	0.008418
800	01/01/2000 01:59:00	0.008169
800	01/01/2000 02:00:00	0.007964
800	01/01/2000 02:01:00	0.007713
800	01/01/2000 02:02:00	0.007339
800	01/01/2000 02:03:00	0.006929
800	01/01/2000 02:04:00	0.00656
800	01/01/2000 02:05:00	0.00623
800	01/01/2000 02:06:00	0.005942
800	01/01/2000 02:07:00	0.005682
800	01/01/2000 02:08:00	0.00547
800	01/01/2000 02:09:00	0.005296
800	01/01/2000 02:10:00	0.005153
800	01/01/2000 02:11:00	0.004991
800	01/01/2000 02:12:00	0.004761
800	01/01/2000 02:13:00	0.004529
800	01/01/2000 02:14:00	0.004352
800	01/01/2000 02:15:00	0.004214
800	01/01/2000 02:16:00	0.004105
800	01/01/2000 02:17:00	0.004015
800	01/01/2000 02:18:00	0.003944
800	01/01/2000 02:19:00	0.003885
800	01/01/2000 02:20:00	0.003837
800	01/01/2000 02:21:00	0.003766
800	01/01/2000 02:22:00	0.003642
800	01/01/2000 02:23:00	0.003513
800	01/01/2000 02:24:00	0.003429
800	01/01/2000 02:25:00	0.003373
800	01/01/2000 02:26:00	0.003334
800	01/01/2000 02:27:00	0.003308
800	01/01/2000 02:28:00	0.003288
800	01/01/2000 02:29:00	0.003273
800	01/01/2000 02:30:00	0.003261
800	01/01/2000 02:31:00	0.003228
800	01/01/2000 02:32:00	0.003146
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800	01/01/2000 02:37:00	0.002939
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800	01/01/2000 02:40:00	0.002921
800	01/01/2000 02:41:00	0.002899
800	01/01/2000 02:42:00	0.002836
800	01/01/2000 02:43:00	0.002769
800	01/01/2000 02:44:00	0.002728
800	01/01/2000 02:45:00	0.002704
800	01/01/2000 02:46:00	0.002679
800	01/01/2000 02:47:00	0.002671
800	01/01/2000 02:48:00	0.002666
800	01/01/2000 02:49:00	0.002663
800	01/01/2000 02:50:00	0.002661
800	01/01/2000 02:51:00	0.002644
800	01/01/2000 02:52:00	0.002593
800	01/01/2000 02:53:00	0.002539
800	01/01/2000 02:54:00	0.002505
800	01/01/2000 02:55:00	0.002485
800	01/01/2000 02:56:00	0.002474
800	01/01/2000 02:57:00	0.002467
800	01/01/2000 02:58:00	0.002463
800	01/01/2000 02:59:00	0.00246
800	01/01/2000 03:00:00	0.002459
800	01/01/2000 03:01:00	0.002259
800	01/01/2000 03:02:00	0.00165
800	01/01/2000 03:03:00	0.000985
800	01/01/2000 03:04:00	0.000579
800	01/01/2000 03:05:00	0.00034
800	01/01/2000 03:06:00	0.000199
800	01/01/2000 03:07:00	0.000117
800	01/01/2000 03:08:00	6.9E-05
800	01/01/2000 03:09:00	4E-05
800	01/01/2000 03:10:00	2.4E-05
800	01/01/2000 03:11:00	1.4E-05
800	01/01/2000 03:12:00	0
800	01/01/2000 03:13:00	0
800	01/01/2000 03:14:00	0
800	01/01/2000 03:15:00	0
800	01/01/2000 03:16:00	0
800	01/01/2000 03:17:00	0
800	01/01/2000 03:18:00	0
800	01/01/2000 03:19:00	0
800	01/01/2000 03:20:00	0
800	01/01/2000 03:21:00	0
800	01/01/2000 03:22:00	0
800	01/01/2000 03:23:00	0
800	01/01/2000 03:24:00	0
800	01/01/2000 03:25:00	0
800	01/01/2000 03:26:00	0
800	01/01/2000 03:27:00	0
800	01/01/2000 03:28:00	0
800	01/01/2000 03:29:00	0
800	01/01/2000 03:30:00	0
800	01/01/2000 03:31:00	0
800	01/01/2000 03:32:00	0
800	01/01/2000 03:33:00	0
800	01/01/2000 03:34:00	0
800	01/01/2000 03:35:00	0
800	01/01/2000 03:36:00	0
800	01/01/2000 03:37:00	0
800	01/01/2000 03:38:00	0
800	01/01/2000 03:39:00	0
800	01/01/2000 03:40:00	0
800	01/01/2000 03:41:00	0
800	01/01/2000 03:42:00	0
800	01/01/2000 03:43:00	0
800	01/01/2000 03:44:00	0
800	01/01/2000 03:45:00	0
800	01/01/2000 03:46:00	0
800	01/01/2000 03:47:00	0
800	01/01/2000 03:48:00	0
800	01/01/2000 03:49:00	0
800	01/01/2000 03:50:00	0
800	01/01/2000 03:51:00	0
800	01/01/2000 03:52:00	0
800	01/01/2000 03:53:00	0
800	01/01/2000 03:54:00	0
800	01/01/2000 03:55:00	0
800	01/01/2000 03:56:00	0
800	01/01/2000 03:57:00	0
800	01/01/2000 03:58:00	0
800	01/01/2000 03:59:00	0
800	01/01/2000 04:00:00	0
800	01/01/2000 04:01:00	0
800	01/01/2000 04:02:00	0
800	01/01/2000 04:03:00	0
800	01/01/2000 04:04:00	0
800	01/01/2000 04:05:00	0
800	01/01/2000 04:06:00	0
800	01/01/2000 04:07:00	0
800	01/01/2000 04:08:00	0
800	01/01/2000 04:09:00	0
800	01/01/2000 04:10:00	0
800	01/01/2000 04:11:00	0
800	01/01/2000 04:12:00	0
800	01/01/2000 04:13:00	0
800	01/01/2000 04:14:00	0
800	01/01/2000 04:15:00	0
800	01/01/2000 04:16:00	0

;Flow (m³/s)

801	01/01/2000 00:00:00	0
801	01/01/2000 00:01:00	0
801	01/01/2000 00:02:00	0
801	01/01/2000 00:03:00	0
801	01/01/2000 00:04:00	0
801	01/01/2000 00:05:00	0
801	01/01/2000 00:06:00	0
801	01/01/2000 00:07:00	0
801	01/01/2000 00:08:00	0
801	01/01/2000 00:09:00	0
801	01/01/2000 00:10:00	0
801	01/01/2000 00:11:00	0
801	01/01/2000 00:12:00	0
801	01/01/2000 00:13:00	0
801	01/01/2000 00:14:00	0
801	01/01/2000 00:15:00	0.000195
801	01/01/2000 00:16:00	0.000935
801	01/01/2000 00:17:00	0.002024
801	01/01/2000 00:18:00	0.002891
801	01/01/2000 00:19:00	0.003419
801	01/01/2000 00:20:00	0.003752
801	01/01/2000 00:21:00	0.00409
801	01/01/2000 00:22:00	0.004594
801	01/01/2000 00:23:00	0.00506
801	01/01/2000 00:24:00	0.005339
801	01/01/2000 00:25:00	0.005515
801	01/01/2000 00:26:00	0.005626
801	01/01/2000 00:27:00	0.005695
801	01/01/2000 00:28:00	0.005739
801	01/01/2000 00:29:00	0.005767
801	01/01/2000 00:30:00	0.005784
801	01/01/2000 00:31:00	0.00608
801	01/01/2000 00:32:00	0.006914
801	01/01/2000 00:33:00	0.007768
801	01/01/2000 00:34:00	0.008274
801	01/01/2000 00:35:00	0.008595
801	01/01/2000 00:36:00	0.008797
801	01/01/2000 00:37:00	0.008923
801	01/01/2000 00:38:00	0.009003
801	01/01/2000 00:39:00	0.009053
801	01/01/2000 00:40:00	0.009084
801	01/01/2000 00:41:00	0.010526
801	01/01/2000 00:42:00	0.014577
801	01/01/2000 00:43:00	0.019081
801	01/01/2000 00:44:00	0.022514
801	01/01/2000 00:45:00	0.025601
801	01/01/2000 00:46:00	0.02826
801	01/01/2000 00:47:00	0.030538
801	01/01/2000 00:48:00	0.032553
801	01/01/2000 00:49:00	0.034059
801	01/01/2000 00:50:00	0.035619
801	01/01/2000 00:51:00	0.044292
801	01/01/2000 00:52:00	0.052089
801	01/01/2000 00:53:00	0.052301
801	01/01/2000 00:54:00	0.052606
801	01/01/2000 00:55:00	0.052992
801	01/01/2000 00:56:00	0.053
801	01/01/2000 00:57:00	0.054
801	01/01/2000 00:58:00	0.054
801	01/01/2000 00:59:00	0.054
801	01/01/2000 01:00:00	0.054
801	01/01/2000 01:01:00	0.054348
801	01/01/2000 01:02:00	0.054742
801	01/01/2000 01:03:00	0.054902
801	01/01/2000 01:04:00	0.054915
801	01/01/2000 01:05:00	0.054831
801	01/01/2000 01:06:00	0.054688
801	01/01/2000 01:07:00	0.054523
801	01/01/2000 01:08:00	0.054356
801	01/01/2000 01:09:00	0.054199
801	01/01/2000 01:10:00	0.054056
801	01/01/2000 01:11:00	0.054
801	01/01/2000 01:12:00	0.054
801	01/01/2000 01:13:00	0.054
801	01/01/2000 01:14:00	0.054
801	01/01/2000 01:15:00	0.054
801	01/01/2000 01:16:00	0.054
801	01/01/2000 01:17:00	0.054
801	01/01/2000 01:18:00	0.054
801	01/01/2000 01:19:00	0.054
801	01/01/2000 01:20:00	0.054
801	01/01/2000 01:21:00	0.053985
801	01/01/2000 01:22:00	0.05309
801	01/01/2000 01:23:00	0.052195
801	01/01/2000 01:24:00	0.051276
801	01/01/2000 01:25:00	0.050315

801	01/01/2000 01:26:00	0.049533
801	01/01/2000 01:27:00	0.048896
801	01/01/2000 01:28:00	0.048379
801	01/01/2000 01:29:00	0.047961
801	01/01/2000 01:30:00	0.047622
801	01/01/2000 01:31:00	0.047286
801	01/01/2000 01:32:00	0.046906
801	01/01/2000 01:33:00	0.045581
801	01/01/2000 01:34:00	0.045193
801	01/01/2000 01:35:00	0.044773
801	01/01/2000 01:36:00	0.044431
801	01/01/2000 01:37:00	0.044153
801	01/01/2000 01:38:00	0.043899
801	01/01/2000 01:39:00	0.043594
801	01/01/2000 01:40:00	0.043324
801	01/01/2000 01:41:00	0.043045
801	01/01/2000 01:42:00	0.042751
801	01/01/2000 01:43:00	0.042438
801	01/01/2000 01:44:00	0.042101
801	01/01/2000 01:45:00	0.04174
801	01/01/2000 01:46:00	0.034357
801	01/01/2000 01:47:00	0.01132
801	01/01/2000 01:48:00	0.01098
801	01/01/2000 01:49:00	0.010742
801	01/01/2000 01:50:00	0.010554
801	01/01/2000 01:51:00	0.010279
801	01/01/2000 01:52:00	0.009816
801	01/01/2000 01:53:00	0.009318
801	01/01/2000 01:54:00	0.008892
801	01/01/2000 01:55:00	0.008485
801	01/01/2000 01:56:00	0.008151
801	01/01/2000 01:57:00	0.007894
801	01/01/2000 01:58:00	0.007693
801	01/01/2000 01:59:00	0.007537
801	01/01/2000 02:00:00	0.007413
801	01/01/2000 02:01:00	0.007226
801	01/01/2000 02:02:00	0.006902
801	01/01/2000 02:03:00	0.006552
801	01/01/2000 02:04:00	0.006251
801	01/01/2000 02:05:00	0.005963
801	01/01/2000 02:06:00	0.005726
801	01/01/2000 02:07:00	0.005543
801	01/01/2000 02:08:00	0.005401
801	01/01/2000 02:09:00	0.005288
801	01/01/2000 02:10:00	0.005199
801	01/01/2000 02:11:00	0.005078
801	01/01/2000 02:12:00	0.004876
801	01/01/2000 02:13:00	0.004675
801	01/01/2000 02:14:00	0.004532
801	01/01/2000 02:15:00	0.004419
801	01/01/2000 02:16:00	0.004335
801	01/01/2000 02:17:00	0.004272
801	01/01/2000 02:18:00	0.004225
801	01/01/2000 02:19:00	0.004189
801	01/01/2000 02:20:00	0.004161
801	01/01/2000 02:21:00	0.004103
801	01/01/2000 02:22:00	0.003982
801	01/01/2000 02:23:00	0.003861
801	01/01/2000 02:24:00	0.003786
801	01/01/2000 02:25:00	0.003737
801	01/01/2000 02:26:00	0.003705
801	01/01/2000 02:27:00	0.003683
801	01/01/2000 02:28:00	0.003669
801	01/01/2000 02:29:00	0.003659
801	01/01/2000 02:30:00	0.003652
801	01/01/2000 02:31:00	0.003618
801	01/01/2000 02:32:00	0.003531
801	01/01/2000 02:33:00	0.003442
801	01/01/2000 02:34:00	0.003389
801	01/01/2000 02:35:00	0.003356
801	01/01/2000 02:36:00	0.003334
801	01/01/2000 02:37:00	0.003321
801	01/01/2000 02:38:00	0.003312
801	01/01/2000 02:39:00	0.003306
801	01/01/2000 02:40:00	0.003303
801	01/01/2000 02:41:00	0.003277
801	01/01/2000 02:42:00	0.003207
801	01/01/2000 02:43:00	0.003136
801	01/01/2000 02:44:00	0.003094
801	01/01/2000 02:45:00	0.003067
801	01/01/2000 02:46:00	0.00305
801	01/01/2000 02:47:00	0.003039
801	01/01/2000 02:48:00	0.003033
801	01/01/2000 02:49:00	0.003028
801	01/01/2000 02:50:00	0.003026
801	01/01/2000 02:51:00	0.003004
801	01/01/2000 02:52:00	0.002946
801	01/01/2000 02:53:00	0.002887
801	01/01/2000 02:54:00	0.002852
801	01/01/2000 02:55:00	0.002829
801	01/01/2000 02:56:00	0.002815
801	01/01/2000 02:57:00	0.002807
801	01/01/2000 02:58:00	0.002801
801	01/01/2000 02:59:00	0.002798
801	01/01/2000 03:00:00	0.002795
801	01/01/2000 03:01:00	0.002554
801	01/01/2000 03:02:00	0.001859
801	01/01/2000 03:03:00	0.001145
801	01/01/2000 03:04:00	0.000722
801	01/01/2000 03:05:00	0.000453
801	01/01/2000 03:06:00	0.000285
801	01/01/2000 03:07:00	0.000179
801	01/01/2000 03:08:00	0.000112
801	01/01/2000 03:09:00	7.1E-05
801	01/01/2000 03:10:00	4.4E-05
801	01/01/2000 03:11:00	2.8E-05
801	01/01/2000 03:12:00	1.8E-05
801	01/01/2000 03:13:00	1.1E-05
801	01/01/2000 03:14:00	0
801	01/01/2000 03:15:00	0
801	01/01/2000 03:16:00	0
801	01/01/2000 03:17:00	0
801	01/01/2000 03:18:00	0
801	01/01/2000 03:19:00	0
801	01/01/2000 03:20:00	0
801	01/01/2000 03:21:00	0
801	01/01/2000 03:22:00	0
801	01/01/2000 03:23:00	0
801	01/01/2000 03:24:00	0
801	01/01/2000 03:25:00	0
801	01/01/2000 03:26:00	0
801	01/01/2000 03:27:00	0
801	01/01/2000 03:28:00	0
801	01/01/2000 03:29:00	0
801	01/01/2000 03:30:00	0
801	01/01/2000 03:31:00	0
801	01/01/2000 03:32:00	0
801	01/01/2000 03:33:00	0
801	01/01/2000 03:34:00	0
801	01/01/2000 03:35:00	0
801	01/01/2000 03:36:00	0
801	01/01/2000 03:37:00	0
801	01/01/2000 03:38:00	0
801	01/01/2000 03:39:00	0
801	01/01/2000 03:40:00	0
801	01/01/2000 03:41:00	0
801	01/01/2000 03:42:00	0
801	01/01/2000 03:43:00	0
801	01/01/2000 03:44:00	0
801	01/01/2000 03:45:00	0
801	01/01/2000 03:46:00	0
801	01/01/2000 03:47:00	0
801	01/01/2000 03:48:00	0
801	01/01/2000 03:49:00	0
801	01/01/2000 03:50:00	0
801	01/01/2000 03:51:00	0
801	01/01/2000 03:52:00	0
801	01/01/2000 03:53:00	0
801	01/01/2000 03:54:00	0
801	01/01/2000 03:55:00	0
801	01/01/2000 03:56:00	0
801	01/01/2000 03:57:00	0
801	01/01/2000 03:58:00	0
801	01/01/2000 03:59:00	0
801	01/01/2000 04:00:00	0
801	01/01/2000 04:01:00	0
801	01/01/2000 04:02:00	0
801	01/01/2000 04:03:00	0
801	01/01/2000 04:04:00	0
801	01/01/2000 04:05:00	0
801	01/01/2000 04:06:00	0
801	01/01/2000 04:07:00	0
801	01/01/2000 04:08:00	0
801	01/01/2000 04:09:00	0
801	01/01/2000 04:10:00	0
801	01/01/2000 04:11:00	0
801	01/01/2000 04:12:00	0
801	01/01/2000 04:13:00	0
801	01/01/2000 04:14:00	0
801	01/01/2000 04:15:00	0
801	01/01/2000 04:16:00	0

;Flow (m^3/s)

810	01/01/2000 00:00:00	0
810	01/01/2000 00:01:00	0
810	01/01/2000 00:02:00	0
810	01/01/2000 00:03:00	0
810	01/01/2000 00:04:00	0
810	01/01/2000 00:05:00	0
810	01/01/2000 00:06:00	0
810	01/01/2000 00:07:00	0
810	01/01/2000 00:08:00	0
810	01/01/2000 00:09:00	0
810	01/01/2000 00:10:00	0
810	01/01/2000 00:11:00	0
810	01/01/2000 00:12:00	0
810	01/01/2000 00:13:00	0
810	01/01/2000 00:14:00	0
810	01/01/2000 00:15:00	0.000188
810	01/01/2000 00:16:00	0.000902
810	01/01/2000 00:17:00	0.00196
810	01/01/2000 00:18:00	0.002815
810	01/01/2000 00:19:00	0.003348
810	01/01/2000 00:20:00	0.003693
810	01/01/2000 00:21:00	0.004037
810	01/01/2000 00:22:00	0.004539
810	01/01/2000 00:23:00	0.005004
810	01/01/2000 00:24:00	0.00529
810	01/01/2000 00:25:00	0.005475
810	01/01/2000 00:26:00	0.005594
810	01/01/2000 00:27:00	0.00567
810	01/01/2000 00:28:00	0.005719
810	01/01/2000 00:29:00	0.005751
810	01/01/2000 00:30:00	0.005771
810	01/01/2000 00:31:00	0.006059
810	01/01/2000 00:32:00	0.006866
810	01/01/2000 00:33:00	0.007701
810	01/01/2000 00:34:00	0.008209
810	01/01/2000 00:35:00	0.008538
810	01/01/2000 00:36:00	0.008749
810	01/01/2000 00:37:00	0.008885
810	01/01/2000 00:38:00	0.008972
810	01/01/2000 00:39:00	0.009028
810	01/01/2000 00:40:00	0.009064
810	01/01/2000 00:41:00	0.010373
810	01/01/2000 00:42:00	0.014148
810	01/01/2000 00:43:00	0.018325
810	01/01/2000 00:44:00	0.021426
810	01/01/2000 00:45:00	0.023894
810	01/01/2000 00:46:00	0.025799
810	01/01/2000 00:47:00	0.027336
810	01/01/2000 00:48:00	0.028402
810	01/01/2000 00:49:00	0.02927
810	01/01/2000 00:50:00	0.030215
810	01/01/2000 00:51:00	0.036517
810	01/01/2000 00:52:00	0.039
810	01/01/2000 00:53:00	0.039
810	01/01/2000 00:54:00	0.039454
810	01/01/2000 00:55:00	0.040205
810	01/01/2000 00:56:00	0.041
810	01/01/2000 00:57:00	0.041
810	01/01/2000 00:58:00	0.041
810	01/01/2000 00:59:00	0.041
810	01/01/2000 01:00:00	0.041
810	01/01/2000 01:01:00	0.041
810	01/01/2000 01:02:00	0.041096
810	01/01/2000 01:03:00	0.041107
810	01/01/2000 01:04:00	0.041054
810	01/01/2000 01:05:00	0.041
810	01/01/2000 01:06:00	0.041
810	01/01/2000 01:07:00	0.041
810	01/01/2000 01:08:00	0.041
810	01/01/2000 01:09:00	0.041
810	01/01/2000 01:10:00	0.041
810	01/01/2000 01:11:00	0.041
810	01/01/2000 01:12:00	0.041
810	01/01/2000 01:13:00	0.041
810	01/01/2000 01:14:00	0.041
810	01/01/2000 01:15:00	0.041
810	01/01/2000 01:16:00	0.041
810	01/01/2000 01:17:00	0.041
810	01/01/2000 01:18:00	0.041
810	01/01/2000 01:19:00	0.041
810	01/01/2000 01:20:00	0.041
810	01/01/2000 01:21:00	0.041
810	01/01/2000 01:22:00	0.041
810	01/01/2000 01:23:00	0.041
810	01/01/2000 01:24:00	0.041
810	01/01/2000 01:25:00	0.041
810	01/01/2000 01:26:00	0.041
810	01/01/2000 01:27:00	0.041
810	01/01/2000 01:28:00	0.041
810	01/01/2000 01:29:00	0.040817
810	01/01/2000 01:30:00	0.040602
810	01/01/2000 01:31:00	0.040383
810	01/01/2000 01:32:00	0.040157
810	01/01/2000 01:33:00	0.039939
810	01/01/2000 01:34:00	0.039749
810	01/01/2000 01:35:00	0.039555
810	01/01/2000 01:36:00	0.039359
810	01/01/2000 01:37:00	0.039161
810	01/01/2000 01:38:00	0.039
810	01/01/2000 01:39:00	0.039
810	01/01/2000 01:40:00	0.039
810	01/01/2000 01:41:00	0.039
810	01/01/2000 01:42:00	0.017168
810	01/01/2000 01:43:00	0.009614
810	01/01/2000 01:44:00	0.009744
810	01/01/2000 01:45:00	0.009279
810	01/01/2000 01:46:00	0.008993
810	01/01/2000 01:47:00	0.008779
810	01/01/2000 01:48:00	0.008623
810	01/01/2000 01:49:00	0.008508
810	01/01/2000 01:50:00	0.008424
810	01/01/2000 01:51:00	0.008255
810	01/01/2000 01:52:00	0.007898
810	01/01/2000 01:53:00	0.007502
810	01/01/2000 01:54:00	0.007172
810	01/01/2000 01:55:00	0.006904
810	01/01/2000 01:56:00	0.006711
810	01/01/2000 01:57:00	0.00657
810	01/01/2000 01:58:00	0.006466
810	01/01/2000 01:59:00	0.00639
810	01/01/2000 02:00:00	0.006333
810	01/01/2000 02:01:00	0.006214
810	01/01/2000 02:02:00	0.005962
810	01/01/2000 02:03:00	0.005681
810	01/01/2000 02:04:00	0.005446

810	01/01/2000 02:05:00	0.005255
810	01/01/2000 02:06:00	0.005118
810	01/01/2000 02:07:00	0.005017
810	01/01/2000 02:08:00	0.004942
810	01/01/2000 02:09:00	0.004886
810	01/01/2000 02:10:00	0.004845
810	01/01/2000 02:11:00	0.004767
810	01/01/2000 02:12:00	0.004606
810	01/01/2000 02:13:00	0.00444
810	01/01/2000 02:14:00	0.004327
810	01/01/2000 02:15:00	0.004245
810	01/01/2000 02:16:00	0.004189
810	01/01/2000 02:17:00	0.00415
810	01/01/2000 02:18:00	0.004123
810	01/01/2000 02:19:00	0.004103
810	01/01/2000 02:20:00	0.004089
810	01/01/2000 02:21:00	0.004044
810	01/01/2000 02:22:00	0.003935
810	01/01/2000 02:23:00	0.003825
810	01/01/2000 02:24:00	0.003757
810	01/01/2000 02:25:00	0.003713
810	01/01/2000 02:26:00	0.003684
810	01/01/2000 02:27:00	0.003665
810	01/01/2000 02:28:00	0.003653
810	01/01/2000 02:29:00	0.003645
810	01/01/2000 02:30:00	0.003639
810	01/01/2000 02:31:00	0.003608
810	01/01/2000 02:32:00	0.003525
810	01/01/2000 02:33:00	0.00344
810	01/01/2000 02:34:00	0.003388
810	01/01/2000 02:35:00	0.003354
810	01/01/2000 02:36:00	0.003332
810	01/01/2000 02:37:00	0.003318
810	01/01/2000 02:38:00	0.003309
810	01/01/2000 02:39:00	0.003303
810	01/01/2000 02:40:00	0.0033
810	01/01/2000 02:41:00	0.003274
810	01/01/2000 02:42:00	0.003207
810	01/01/2000 02:43:00	0.003137
810	01/01/2000 02:44:00	0.003095
810	01/01/2000 02:45:00	0.003068
810	01/01/2000 02:46:00	0.00305
810	01/01/2000 02:47:00	0.003039
810	01/01/2000 02:48:00	0.003031
810	01/01/2000 02:49:00	0.003027
810	01/01/2000 02:50:00	0.003024
810	01/01/2000 02:51:00	0.003003
810	01/01/2000 02:52:00	0.002947
810	01/01/2000 02:53:00	0.002889
810	01/01/2000 02:54:00	0.002853
810	01/01/2000 02:55:00	0.00283
810	01/01/2000 02:56:00	0.002816
810	01/01/2000 02:57:00	0.002806
810	01/01/2000 02:58:00	0.0028
810	01/01/2000 02:59:00	0.002796
810	01/01/2000 03:00:00	0.002794
810	01/01/2000 03:01:00	0.002562
810	01/01/2000 03:02:00	0.00189
810	01/01/2000 03:03:00	0.001192
810	01/01/2000 03:04:00	0.000768
810	01/01/2000 03:05:00	0.000494
810	01/01/2000 03:06:00	0.000317
810	01/01/2000 03:07:00	0.000204
810	01/01/2000 03:08:00	0.000131
810	01/01/2000 03:09:00	8.4E-05
810	01/01/2000 03:10:00	5.4E-05
810	01/01/2000 03:11:00	3.5E-05
810	01/01/2000 03:12:00	2.2E-05
810	01/01/2000 03:13:00	1.4E-05
810	01/01/2000 03:14:00	0
810	01/01/2000 03:15:00	0
810	01/01/2000 03:16:00	0
810	01/01/2000 03:17:00	0
810	01/01/2000 03:18:00	0
810	01/01/2000 03:19:00	0
810	01/01/2000 03:20:00	0
810	01/01/2000 03:21:00	0
810	01/01/2000 03:22:00	0
810	01/01/2000 03:23:00	0
810	01/01/2000 03:24:00	0
810	01/01/2000 03:25:00	0
810	01/01/2000 03:26:00	0
810	01/01/2000 03:27:00	0
810	01/01/2000 03:28:00	0
810	01/01/2000 03:29:00	0
810	01/01/2000 03:30:00	0
810	01/01/2000 03:31:00	0
810	01/01/2000 03:32:00	0
810	01/01/2000 03:33:00	0
810	01/01/2000 03:34:00	0
810	01/01/2000 03:35:00	0
810	01/01/2000 03:36:00	0
810	01/01/2000 03:37:00	0
810	01/01/2000 03:38:00	0
810	01/01/2000 03:39:00	0
810	01/01/2000 03:40:00	0
810	01/01/2000 03:41:00	0
810	01/01/2000 03:42:00	0
810	01/01/2000 03:43:00	0
810	01/01/2000 03:44:00	0
810	01/01/2000 03:45:00	0
810	01/01/2000 03:46:00	0
810	01/01/2000 03:47:00	0
810	01/01/2000 03:48:00	0
810	01/01/2000 03:49:00	0
810	01/01/2000 03:50:00	0
810	01/01/2000 03:51:00	0
810	01/01/2000 03:52:00	0
810	01/01/2000 03:53:00	0
810	01/01/2000 03:54:00	0
810	01/01/2000 03:55:00	0
810	01/01/2000 03:56:00	0
810	01/01/2000 03:57:00	0
810	01/01/2000 03:58:00	0
810	01/01/2000 03:59:00	0
810	01/01/2000 04:00:00	0
810	01/01/2000 04:01:00	0
810	01/01/2000 04:02:00	0
810	01/01/2000 04:03:00	0
810	01/01/2000 04:04:00	0
810	01/01/2000 04:05:00	0
810	01/01/2000 04:06:00	0
810	01/01/2000 04:07:00	0
810	01/01/2000 04:08:00	0
810	01/01/2000 04:09:00	0
810	01/01/2000 04:10:00	0
810	01/01/2000 04:11:00	0
810	01/01/2000 04:12:00	0
810	01/01/2000 04:13:00	0
810	01/01/2000 04:14:00	0
810	01/01/2000 04:15:00	0
810	01/01/2000 04:16:00	0

;Rainfall (mm/hr)

CHI_3hr_100	01/01/2000 00:00:00	5.339
CHI_3hr_100	01/01/2000 00:10:00	6.376
CHI_3hr_100	01/01/2000 00:20:00	7.977
CHI_3hr_100	01/01/2000 00:30:00	10.797
CHI_3hr_100	01/01/2000 00:40:00	17.136
CHI_3hr_100	01/01/2000 00:50:00	45.128
CHI_3hr_100	01/01/2000 01:00:00	178.107
CHI_3hr_100	01/01/2000 01:10:00	51.056
CHI_3hr_100	01/01/2000 01:20:00	26.163
CHI_3hr_100	01/01/2000 01:30:00	17.571
CHI_3hr_100	01/01/2000 01:40:00	13.277
CHI_3hr_100	01/01/2000 01:50:00	10.712
CHI_3hr_100	01/01/2000 02:00:00	9.008
CHI_3hr_100	01/01/2000 02:10:00	7.793
CHI_3hr_100	01/01/2000 02:20:00	6.883
CHI_3hr_100	01/01/2000 02:30:00	6.174
CHI_3hr_100	01/01/2000 02:40:00	5.607
CHI_3hr_100	01/01/2000 02:50:00	5.142
CHI_3hr_100	01/01/2000 03:00:00	0
CHI_3hr_100CC	01/01/2000 00:00:00	6.406801
CHI_3hr_100CC	01/01/2000 00:10:00	7.6512
CHI_3hr_100CC	01/01/2000 00:20:00	9.572401
CHI_3hr_100CC	01/01/2000 00:30:00	12.9564
CHI_3hr_100CC	01/01/2000 00:40:00	20.5632
CHI_3hr_100CC	01/01/2000 00:50:00	54.1536
CHI_3hr_100CC	01/01/2000 01:00:00	213.7284
CHI_3hr_100CC	01/01/2000 01:10:00	61.2672
CHI_3hr_100CC	01/01/2000 01:20:00	31.3956
CHI_3hr_100CC	01/01/2000 01:30:00	21.0852
CHI_3hr_100CC	01/01/2000 01:40:00	15.9324
CHI_3hr_100CC	01/01/2000 01:50:00	12.8544
CHI_3hr_100CC	01/01/2000 02:00:00	10.8096
CHI_3hr_100CC	01/01/2000 02:10:00	9.351601
CHI_3hr_100CC	01/01/2000 02:20:00	8.259601
CHI_3hr_100CC	01/01/2000 02:30:00	7.4088
CHI_3hr_100CC	01/01/2000 02:40:00	6.7284
CHI_3hr_100CC	01/01/2000 02:50:00	6.170401
CHI_3hr_100CC	01/01/2000 03:00:00	0
CHI_3hr_2	01/01/2000 00:00:00	2.491
CHI_3hr_2	01/01/2000 00:10:00	2.966
CHI_3hr_2	01/01/2000 00:20:00	3.696
CHI_3hr_2	01/01/2000 00:30:00	4.976
CHI_3hr_2	01/01/2000 00:40:00	7.828
CHI_3hr_2	01/01/2000 00:50:00	19.966
CHI_3hr_2	01/01/2000 01:00:00	76.805
CHI_3hr_2	01/01/2000 01:10:00	22.777
CHI_3hr_2	01/01/2000 01:20:00	11.852
CHI_3hr_2	01/01/2000 01:30:00	8.025
CHI_3hr_2	01/01/2000 01:40:00	6.096
CHI_3hr_2	01/01/2000 01:50:00	4.938
CHI_3hr_2	01/01/2000 02:00:00	4.165
CHI_3hr_2	01/01/2000 02:10:00	3.613
CHI_3hr_2	01/01/2000 02:20:00	3.197
CHI_3hr_2	01/01/2000 02:30:00	2.873
CHI_3hr_2	01/01/2000 02:40:00	2.613
CHI_3hr_2	01/01/2000 02:50:00	2.4
CHI_3hr_2	01/01/2000 03:00:00	0
CHI_3hr_5	01/01/2000 00:00:00	3.256
CHI_3hr_5	01/01/2000 00:10:00	3.881
CHI_3hr_5	01/01/2000 00:20:00	4.844
CHI_3hr_5	01/01/2000 00:30:00	6.532
CHI_3hr_5	01/01/2000 00:40:00	10.308
CHI_3hr_5	01/01/2000 00:50:00	26.792
CHI_3hr_5	01/01/2000 01:00:00	103.93
CHI_3hr_5	01/01/2000 01:10:00	30.286
CHI_3hr_5	01/01/2000 01:20:00	15.655
CHI_3hr_5	01/01/2000 01:30:00	10.568
CHI_3hr_5	01/01/2000 01:40:00	8.013
CHI_3hr_5	01/01/2000 01:50:00	6.482
CHI_3hr_5	01/01/2000 02:00:00	5.462
CHI_3hr_5	01/01/2000 02:10:00	4.733
CHI_3hr_5	01/01/2000 02:20:00	4.186
CHI_3hr_5	01/01/2000 02:30:00	3.76
CHI_3hr_5	01/01/2000 02:40:00	3.418
CHI_3hr_5	01/01/2000 02:50:00	3.137
CHI_3hr_5	01/01/2000 03:00:00	0

;Rainfall (mm/hr)

CHI3_10	1/1/2000 0:00:00	3.755
CHI3_10	1/1/2000 0:10:00	4.478
CHI3_10	1/1/2000 0:20:00	5.593
CHI3_10	1/1/2000 0:30:00	7.551
CHI3_10	1/1/2000 0:40:00	11.936
CHI3_10	1/1/2000 0:50:00	30.856
CHI3_10	1/1/2000 1:00:00	122.142
CHI3_10	1/1/2000 1:10:00	35.237
CHI3_10	1/1/2000 1:20:00	18.159
CHI3_10	1/1/2000 1:30:00	12.238
CHI3_10	1/1/2000 1:40:00	9.269
CHI3_10	1/1/2000 1:50:00	7.492
CHI3_10	1/1/2000 2:00:00	6.309
CHI3_10	1/1/2000 2:10:00	5.465
CHI3_10	1/1/2000 2:20:00	4.831
CHI3_10	1/1/2000 2:30:00	4.338
CHI3_10	1/1/2000 2:40:00	3.942
CHI3_10	1/1/2000 2:50:00	3.617
CHI3_10	1/1/2000 3:00:00	0
CHI3_25	1/1/2000 0:00:00	4.358
CHI3_25	1/1/2000 0:10:00	5.202
CHI3_25	1/1/2000 0:20:00	6.506
CHI3_25	1/1/2000 0:30:00	8.801
CHI3_25	1/1/2000 0:40:00	13.954
CHI3_25	1/1/2000 0:50:00	36.302
CHI3_25	1/1/2000 1:00:00	144.693
CHI3_25	1/1/2000 1:10:00	41.479
CHI3_25	1/1/2000 1:20:00	21.286
CHI3_25	1/1/2000 1:30:00	14.308
CHI3_25	1/1/2000 1:40:00	10.818
CHI3_25	1/1/2000 1:50:00	8.732
CHI3_25	1/1/2000 2:00:00	7.345
CHI3_25	1/1/2000 2:10:00	6.356
CHI3_25	1/1/2000 2:20:00	5.615
CHI3_25	1/1/2000 2:30:00	5.038
CHI3_25	1/1/2000 2:40:00	4.576
CHI3_25	1/1/2000 2:50:00	4.197
CHI3_25	1/1/2000 3:00:00	0

;Flow (m³/s)

MAJQP	01/01/2000 00:00:00	0
MAJQP	01/01/2000 00:01:00	0
MAJQP	01/01/2000 00:02:00	0
MAJQP	01/01/2000 00:03:00	0
MAJQP	01/01/2000 00:04:00	0
MAJQP	01/01/2000 00:05:00	0
MAJQP	01/01/2000 00:06:00	0
MAJQP	01/01/2000 00:07:00	0
MAJQP	01/01/2000 00:08:00	0
MAJQP	01/01/2000 00:09:00	0
MAJQP	01/01/2000 00:10:00	0
MAJQP	01/01/2000 00:11:00	0
MAJQP	01/01/2000 00:12:00	0
MAJQP	01/01/2000 00:13:00	0
MAJQP	01/01/2000 00:14:00	0
MAJQP	01/01/2000 00:15:00	0.001957
MAJQP	01/01/2000 00:16:00	0.00763
MAJQP	01/01/2000 00:17:00	0.013353
MAJQP	01/01/2000 00:18:00	0.016574
MAJQP	01/01/2000 00:19:00	0.018387
MAJQP	01/01/2000 00:20:00	0.019407
MAJQP	01/01/2000 00:21:00	0.021271
MAJQP	01/01/2000 00:22:00	0.024173
MAJQP	01/01/2000 00:23:00	0.025807
MAJQP	01/01/2000 00:24:00	0.026726
MAJQP	01/01/2000 00:25:00	0.027244
MAJQP	01/01/2000 00:26:00	0.027535
MAJQP	01/01/2000 00:27:00	0.027699
MAJQP	01/01/2000 00:28:00	0.027791
MAJQP	01/01/2000 00:29:00	0.027843
MAJQP	01/01/2000 00:30:00	0.027872
MAJQP	01/01/2000 00:31:00	0.030752
MAJQP	01/01/2000 00:32:00	0.036488
MAJQP	01/01/2000 00:33:00	0.039716
MAJQP	01/01/2000 00:34:00	0.041533
MAJQP	01/01/2000 00:35:00	0.042555
MAJQP	01/01/2000 00:36:00	0.043131
MAJQP	01/01/2000 00:37:00	0.043455
MAJQP	01/01/2000 00:38:00	0.043637
MAJQP	01/01/2000 00:39:00	0.043739
MAJQP	01/01/2000 00:40:00	0.043797
MAJQP	01/01/2000 00:41:00	0.055996

MAJQP	01/01/2000 00:42:00	0.080347
MAJQP	01/01/2000 00:43:00	0.094051
MAJQP	01/01/2000 00:44:00	0.101763
MAJQP	01/01/2000 00:45:00	0.106104
MAJQP	01/01/2000 00:46:00	0.108547
MAJQP	01/01/2000 00:47:00	0.109921
MAJQP	01/01/2000 00:48:00	0.110695
MAJQP	01/01/2000 00:49:00	0.11113
MAJQP	01/01/2000 00:50:00	0.111375
MAJQP	01/01/2000 00:51:00	0.180113
MAJQP	01/01/2000 00:52:00	0.328534
MAJQP	01/01/2000 00:53:00	0.424726
MAJQP	01/01/2000 00:54:00	0.500342
MAJQP	01/01/2000 00:55:00	0.554161
MAJQP	01/01/2000 00:56:00	0.611254
MAJQP	01/01/2000 00:57:00	0.691283
MAJQP	01/01/2000 00:58:00	0.828673
MAJQP	01/01/2000 00:59:00	1.058295
MAJQP	01/01/2000 01:00:00	1.308882
MAJQP	01/01/2000 01:01:00	1.446347
MAJQP	01/01/2000 01:02:00	1.464704
MAJQP	01/01/2000 01:03:00	1.504863
MAJQP	01/01/2000 01:04:00	1.551953
MAJQP	01/01/2000 01:05:00	1.601015
MAJQP	01/01/2000 01:06:00	1.648556
MAJQP	01/01/2000 01:07:00	1.675547
MAJQP	01/01/2000 01:08:00	1.678464
MAJQP	01/01/2000 01:09:00	1.656868
MAJQP	01/01/2000 01:10:00	1.622276
MAJQP	01/01/2000 01:11:00	1.56695
MAJQP	01/01/2000 01:12:00	1.487957
MAJQP	01/01/2000 01:13:00	1.407011
MAJQP	01/01/2000 01:14:00	1.316775
MAJQP	01/01/2000 01:15:00	1.216383
MAJQP	01/01/2000 01:16:00	1.10147
MAJQP	01/01/2000 01:17:00	0.975044
MAJQP	01/01/2000 01:18:00	0.842841
MAJQP	01/01/2000 01:19:00	0.710783
MAJQP	01/01/2000 01:20:00	0.587985
MAJQP	01/01/2000 01:21:00	0.464858
MAJQP	01/01/2000 01:22:00	0.359599
MAJQP	01/01/2000 01:23:00	0.278572
MAJQP	01/01/2000 01:24:00	0.21567
MAJQP	01/01/2000 01:25:00	0.17189
MAJQP	01/01/2000 01:26:00	0.144553
MAJQP	01/01/2000 01:27:00	0.123351
MAJQP	01/01/2000 01:28:00	0.106704
MAJQP	01/01/2000 01:29:00	0.092202
MAJQP	01/01/2000 01:30:00	0.08217
MAJQP	01/01/2000 01:31:00	0.070324
MAJQP	01/01/2000 01:32:00	0.05908
MAJQP	01/01/2000 01:33:00	0.051504
MAJQP	01/01/2000 01:34:00	0.045762
MAJQP	01/01/2000 01:35:00	0.043341
MAJQP	01/01/2000 01:36:00	0.041772
MAJQP	01/01/2000 01:37:00	0.040395
MAJQP	01/01/2000 01:38:00	0.039152
MAJQP	01/01/2000 01:39:00	0.038656
MAJQP	01/01/2000 01:40:00	0.038361
MAJQP	01/01/2000 01:41:00	0.036767
MAJQP	01/01/2000 01:42:00	0.033864
MAJQP	01/01/2000 01:43:00	0.032315
MAJQP	01/01/2000 01:44:00	0.031473
MAJQP	01/01/2000 01:45:00	0.030999
MAJQP	01/01/2000 01:46:00	0.030731
MAJQP	01/01/2000 01:47:00	0.030581
MAJQP	01/01/2000 01:48:00	0.030495
MAJQP	01/01/2000 01:49:00	0.030447
MAJQP	01/01/2000 01:50:00	0.03042
MAJQP	01/01/2000 01:51:00	0.02953
MAJQP	01/01/2000 01:52:00	0.027772
MAJQP	01/01/2000 01:53:00	0.026783
MAJQP	01/01/2000 01:54:00	0.026227
MAJQP	01/01/2000 01:55:00	0.025913
MAJQP	01/01/2000 01:56:00	0.025737
MAJQP	01/01/2000 01:57:00	0.025637
MAJQP	01/01/2000 01:58:00	0.025581
MAJQP	01/01/2000 01:59:00	0.02555
MAJQP	01/01/2000 02:00:00	0.025532
MAJQP	01/01/2000 02:01:00	0.0249
MAJQP	01/01/2000 02:02:00	0.023652
MAJQP	01/01/2000 02:03:00	0.022949
MAJQP	01/01/2000 02:04:00	0.022553
MAJQP	01/01/2000 02:05:00	0.022331
MAJQP	01/01/2000 02:06:00	0.022205
MAJQP	01/01/2000 02:07:00	0.022135
MAJQP	01/01/2000 02:08:00	0.022095
MAJQP	01/01/2000 02:09:00	0.022073
MAJQP	01/01/2000 02:10:00	0.02206
MAJQP	01/01/2000 02:11:00	0.021588
MAJQP	01/01/2000 02:12:00	0.020653
MAJQP	01/01/2000 02:13:00	0.020127
MAJQP	01/01/2000 02:14:00	0.019831
MAJQP	01/01/2000 02:15:00	0.019665
MAJQP	01/01/2000 02:16:00	0.019571
MAJQP	01/01/2000 02:17:00	0.019518
MAJQP	01/01/2000 02:18:00	0.019489
MAJQP	01/01/2000 02:19:00	0.019472
MAJQP	01/01/2000 02:20:00	0.019463
MAJQP	01/01/2000 02:21:00	0.019096
MAJQP	01/01/2000 02:22:00	0.018371
MAJQP	01/01/2000 02:23:00	0.017962
MAJQP	01/01/2000 02:24:00	0.017733
MAJQP	01/01/2000 02:25:00	0.017603
MAJQP	01/01/2000 02:26:00	0.017531
MAJQP	01/01/2000 02:27:00	0.01749
MAJQP	01/01/2000 02:28:00	0.017467
MAJQP	01/01/2000 02:29:00	0.017454
MAJQP	01/01/2000 02:30:00	0.017446
MAJQP	01/01/2000 02:31:00	0.017153
MAJQP	01/01/2000 02:32:00	0.016572
MAJQP	01/01/2000 02:33:00	0.016245
MAJQP	01/01/2000 02:34:00	0.016061
MAJQP	01/01/2000 02:35:00	0.015957
MAJQP	01/01/2000 02:36:00	0.015899
MAJQP	01/01/2000 02:37:00	0.015866
MAJQP	01/01/2000 02:38:00	0.015848
MAJQP	01/01/2000 02:39:00	0.015837
MAJQP	01/01/2000 02:40:00	0.015831
MAJQP	01/01/2000 02:41:00	0.015592
MAJQP	01/01/2000 02:42:00	0.015117
MAJQP	01/01/2000 02:43:00	0.014849
MAJQP	01/01/2000 02:44:00	0.014699
MAJQP	01/01/2000 02:45:00	0.014614
MAJQP	01/01/2000 02:46:00	0.014567
MAJQP	01/01/2000 02:47:00	0.01454
MAJQP	01/01/2000 02:48:00	0.014525
MAJQP	01/01/2000 02:49:00	0.014516
MAJQP	01/01/2000 02:50:00	0.014511
MAJQP	01/01/2000 02:51:00	0.014311
MAJQP	01/01/2000 02:52:00	0.013915
MAJQP	01/01/2000 02:53:00	0.013691
MAJQP	01/01/2000 02:54:00	0.013566
MAJQP	01/01/2000 02:55:00	0.013495
MAJQP	01/01/2000 02:56:00	0.013455
MAJQP	01/01/2000 02:57:00	0.013433
MAJQP	01/01/2000 02:58:00	0.01342
MAJQP	01/01/2000 02:59:00	0.013413
MAJQP	01/01/2000 03:00:00	0.013409
MAJQP	01/01/2000 03:01:00	0.011002
MAJQP	01/01/2000 03:02:00	0.006192
MAJQP	01/01/2000 03:03:00	0.003485
MAJQP	01/01/2000 03:04:00	0.001961
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MAJQP	01/01/2000 03:07:00	0.00035
MAJQP	01/01/2000 03:08:00	0.000197
MAJQP	01/01/2000 03:09:00	0.000111
MAJQP	01/01/2000 03:10:00	6.2E-05
MAJQP	01/01/2000 03:11:00	3.5E-05
MAJQP	01/01/2000 03:12:00	2E-05
MAJQP	01/01/2000 03:13:00	1.1E-05
MAJQP	01/01/2000 03:14:00	0
MAJQP	01/01/2000 03:15:00	0
MAJQP	01/01/2000 03:16:00	0
MAJQP	01/01/2000 03:17:00	0
MAJQP	01/01/2000 03:18:00	0
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MAJQP	01/01/2000 04:11:00	0
MAJQP	01/01/2000 04:12:00	0
MAJQP	01/01/2000 04:13:00	0
MAJQP	01/01/2000 04:14:00	0
MAJQP	01/01/2000 04:15:00	0
MAJQP	01/01/2000 04:16:00	0
;Flow (m^3/s)		
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MAS23	01/01/2000 00:01:00	0
MAS23	01/01/2000 00:02:00	0
MAS23	01/01/2000 00:03:00	0
MAS23	01/01/2000 00:04:00	0
MAS23	01/01/2000 00:05:00	0
MAS23	01/01/2000 00:06:00	0
MAS23	01/01/2000 00:07:00	0
MAS23	01/01/2000 00:08:00	0
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MAS23	01/01/2000 00:16:00	0
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MAS23	01/01/2000 01:00:00	0.000192
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MAS23	01/01/2000 01:02:00	0
MAS23	01/01/2000 01:03:00	0
MAS23	01/01/2000 01:04:00	0
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MAS28	01/01/2000 06:04:00	0
MAS28	01/01/2000 06:05:00	0
MAS28	01/01/2000 06:06:00	0
MAS28	01/01/2000 06:07:00	0
MAS28	01/01/2000 06:08:00	0
MAS28	01/01/2000 06:09:00	0
MAS28	01/01/2000 06:10:00	0
MAS28	01/01/2000 06:11:00	0
MAS28	01/01/2000 06:12:00	0
MAS28	01/01/2000 06:13:00	0
MAS28	01/01/2000 06:14:00	0
MAS28	01/01/2000 06:15:00	0
MAS28	01/01/2000 06:16:00	0
MAS28	01/01/2000 06:17:00	0
MAS28	01/01/2000 06:18:00	0
MAS28	01/01/2000 06:19:00	0
MAS28	01/01/2000 06:20:00	0
MAS28	01/01/2000 06:21:00	0
MAS28	01/01/2000 06:22:00	0
MAS28	01/01/2000 06:23:00	0
MAS28	01/01/2000 06:24:00	0
MAS28	01/01/2000 06:25:00	0
MAS28	01/01/2000 06:26:00	0
MAS28	01/01/2000 06:27:00	0
MAS28	01/01/2000 06:28:00	0
MAS28	01/01/2000 06:29:00	0
MAS28	01/01/2000 06:30:00	0
MAS28	01/01/2000 06:31:00	0
MAS28	01/01/2000 06:32:00	0
MAS28	01/01/2000 06:33:00	0
MAS28	01/01/2000 06:34:00	0
MAS28	01/01/2000 06:35:00	0
MAS28	01/01/2000 06:36:00	0
MAS28	01/01/2000 06:37:00	0
MAS28	01/01/2000 06:38:00	0
MAS28	01/01/2000 06:39:00	0
MAS28	01/01/2000 06:40:00	0
MAS28	01/01/2000 06:41:00	0
MAS28	01/01/2000 06:42:00	0
MAS28	01/01/2000 06:43:00	0
MAS28	01/01/2000 06:44:00	0
MAS28	01/01/2000 06:45:00	0
MAS28	01/01/2000 06:46:00	0
MAS28	01/01/2000 06:47:00	0
MAS28	01/01/2000 06:48:00	0
MAS28	01/01/2000 06:49:00	0
MAS28	01/01/2000 06:50:00	0
OTT_CHI3_10	07/23/2009 00:00:00	3.755
OTT_CHI3_10	07/23/2009 00:10:00	4.478
OTT_CHI3_10	07/23/2009 00:20:00	5.593
OTT_CHI3_10	07/23/2009 00:30:00	7.551
OTT_CHI3_10	07/23/2009 00:40:00	11.936
OTT_CHI3_10	07/23/2009 00:50:00	31.164
OTT_CHI3_10	07/23/2009 01:00:00	121.834
OTT_CHI3_10	07/23/2009 01:10:00	35.237
OTT_CHI3_10	07/23/2009 01:20:00	18.159
OTT_CHI3_10	07/23/2009 01:30:00	12.238
OTT_CHI3_10	07/23/2009 01:40:00	9.269
OTT_CHI3_10	07/23/2009 01:50:00	7.492
OTT_CHI3_10	07/23/2009 02:00:00	6.309
OTT_CHI3_10	07/23/2009 02:10:00	5.465
OTT_CHI3_10	07/23/2009 02:20:00	4.831
OTT_CHI3_10	07/23/2009 02:30:00	4.338
OTT_CHI3_10	07/23/2009 02:40:00	3.942
OTT_CHI3_10	07/23/2009 02:50:00	3.617
OTT_CHI3_10	07/23/2009 03:00:00	0
SCS_24h_100	01/01/2000 00:00:00	1.135
SCS_24h_100	01/01/2000 00:15:00	1.135
SCS_24h_100	01/01/2000 00:30:00	1.135
SCS_24h_100	01/01/2000 00:45:00	1.135
SCS_24h_100	01/01/2000 01:00:00	1.135
SCS_24h_100	01/01/2000 01:15:00	1.135
SCS_24h_100	01/01/2000 01:30:00	1.135
SCS_24h_100	01/01/2000 01:45:00	1.135
SCS_24h_100	01/01/2000 02:00:00	1.342
SCS_24h_100	01/01/2000 02:15:00	1.342
SCS_24h_100	01/01/2000 02:30:00	1.342
SCS_24h_100	01/01/2000 02:45:00	1.342
SCS_24h_100	01/01/2000 03:00:00	1.342
SCS_24h_100	01/01/2000 03:15:00	1.342
SCS_24h_100	01/01/2000 03:30:00	1.342
SCS_24h_100	01/01/2000 03:45:00	1.342
SCS_24h_100	01/01/2000 04:00:00	1.651
SCS_24h_100	01/01/2000 04:15:00	1.651
SCS_24h_100	01/01/2000 04:30:00	1.651
SCS_24h_100	01/01/2000 04:45:00	1.651
SCS_24h_100	01/01/2000 05:00:00	1.651
SCS_24h_100	01/01/2000 05:15:00	1.651
SCS_24h_100	01/01/2000 05:30:00	1.651
SCS_24h_100	01/01/2000 05:45:00	1.651
SCS_24h_100	01/01/2000 06:00:00	1.858
SCS_24h_100	01/01/2000 06:15:00	1.858
SCS_24h_100	01/01/2000 06:30:00	1.858
SCS_24h_100	01/01/2000 06:45:00	1.858
SCS_24h_100	01/01/2000 07:00:00	2.27
SCS_24h_100	01/01/2000 07:15:00	2.27
SCS_24h_100	01/01/2000 07:30:00	2.27
SCS_24h_100	01/01/2000 07:45:00	2.27
SCS_24h_100	01/01/2000 08:00:00	2.683
SCS_24h_100	01/01/2000 08:15:00	2.683
SCS_24h_100	01/01/2000 08:30:00	2.89
SCS_24h_100	01/01/2000 08:45:00	2.89
SCS_24h_100	01/01/2000 09:00:00	3.302
SCS_24h_100	01/01/2000 09:15:00	3.302
SCS_24h_100	01/01/2000 09:30:00	3.715
SCS_24h_100	01/01/2000 09:45:00	3.715
SCS_24h_100	01/01/2000 10:00:00	4.747
SCS_24h_100	01/01/2000 10:15:00	4.747
SCS_24h_100	01/01/2000 10:30:00	6.398
SCS_24h_100	01/01/2000 10:45:00	6.398
SCS_24h_100	01/01/2000 11:00:00	9.907
SCS_24h_100	01/01/2000 11:15:00	9.907
SCS_24h_100	01/01/2000 11:30:00	30.547
SCS_24h_100	01/01/2000 11:45:00	126.317
SCS_24h_100	01/01/2000 12:00:00	14.861
SCS_24h_100	01/01/2000 12:15:00	14.861
SCS_24h_100	01/01/2000 12:30:00	7.637
SCS_24h_100	01/01/2000 12:45:00	7.637
SCS_24h_100	01/01/2000 13:00:00	5.573
SCS_24h_100	01/01/2000 13:15:00	5.573
SCS_24h_100	01/01/2000 13:30:00	4.334
SCS_24h_100	01/01/2000 13:45:00	4.334
SCS_24h_100	01/01/2000 14:00:00	3.096
SCS_24h_100	01/01/2000 14:15:00	3.096
SCS_24h_100	01/01/2000 14:30:00	3.096
SCS_24h_100	01/01/2000 14:45:00	3.096
SCS_24h_100	01/01/2000 15:00:00	3.096
SCS_24h_100	01/01/2000 15:15:00	3.096
SCS_24h_100	01/01/2000 15:30:00	3.096
SCS_24h_100	01/01/2000 15:45:00	3.096
SCS_24h_100	01/01/2000 16:00:00	1.858
SCS_24h_100	01/01/2000 16:15:00	1.858
SCS_24h_100	01/01/2000 16:30:00	1.858
SCS_24h_100	01/01/2000 16:45:00	1.858
SCS_24h_100	01/01/2000 17:00:00	1.858
SCS_24h_100	01/01/2000 17:15:00	1.858
SCS_24h_100	01/01/2000 17:30:00	1.858
SCS_24h_100	01/01/2000 17:45:00	1.858
SCS_24h_100	01/01/2000 18:00:00	1.858
SCS_24h_100	01/01/2000 18:15:00	1.858
SCS_24h_100	01/01/2000 18:30:00	1.858
SCS_24h_100	01/01/2000 18:45:00	1.858
SCS_24h_100	01/01/2000 19:00:00	1.858
SCS_24h_100	01/01/2000 19:15:00	1.858
SCS_24h_100	01/01/2000 19:30:00	1.858
SCS_24h_100	01/01/2000 19:45:00	1.858
SCS_24h_100	01/01/2000 20:00:00	1.238
SCS_24h_100	01/01/2000 20:15:00	1.238
SCS_24h_100	01/01/2000 20:30:00	1.238
SCS_24h_100	01/01/2000 20:45:00	1.238
SCS_24h_100	01/01/2000 21:00:00	1.238
SCS_24h_100	01/01/2000 21:15:00	1.238
SCS_24h_100	01/01/2000 21:30:00	1.238
SCS_24h_100	01/01/2000 21:45:00	1.238
SCS_24h_100	01/01/2000 22:00:00	1.238
SCS_24h_100	01/01/2000 22:15:00	1.238
SCS_24h_100	01/01/2000 22:30:00	1.238
SCS_24h_100	01/01/2000 22:45:00	1.238
SCS_24h_100	01/01/2000 23:00:00	1.238
SCS_24h_100	01/01/2000 23:15:00	1.238
SCS_24h_100	01/01/2000 23:30:00	1.238
SCS_24h_100	01/01/2000 23:45:00	1.238
SCS_24h_100	01/02/2000 00:00:00	0
SCS_24h_100CC	01/01/2000 00:00:00	1.362
SCS_24h_100CC	01/01/2000 00:15:00	1.362
SCS_24h_100CC	01/01/2000 00:30:00	1.362
SCS_24h_100CC	01/01/2000 00:45:00	1.362
SCS_24h_100CC	01/01/2000 01:00:00	1.362
SCS_24h_100CC	01/01/2000 01:15:00	1.362
SCS_24h_100CC	01/01/2000 01:30:00	1.362
SCS_24h_100CC	01/01/2000 01:45:00	1.362
SCS_24h_100CC	01/01/2000 02:00:00	1.6104
SCS_24h_100CC	01/01/2000 02:15:00	1.6104
SCS_24h_100CC	01/01/2000 02:30:00	1.6104
SCS_24h_100CC	01/01/2000 02:45:00	1.6104
SCS_24h_100CC	01/01/2000 03:00:00	1.6104
SCS_24h_100CC	01/01/2000 03:15:00	1.6104
SCS_24h_100CC	01/01/2000 03:30:00	1.6104
SCS_24h_100CC	01/01/2000 03:45:00	1.6104
SCS_24h_100CC	01/01/2000 04:00:00	1.9812
SCS_24h_100CC	01/01/2000 04:15:00	1.9812
SCS_24h_100CC	01/01/2000 04:30:00	1.9812
SCS_24h_100CC	01/01/2000 04:45:00	1.9812
SCS_24h_100CC	01/01/2000 05:00:00	1.9812
SCS_24h_100CC	01/01/2000 05:15:00	1.9812
SCS_24h_100CC	01/01/2000 05:30:00	1.9812
SCS_24h_100CC	01/01/2000 05:45:00	1.9812
SCS_24h_100CC	01/01/2000 06:00:00	2.2296
SCS_24h_100CC	01/01/2000 06:15:00	2.2296
SCS_24h_100CC	01/01/2000 06:30:00	2.2296
SCS_24h_100CC	01/01/2000 06:45:00	2.2296
SCS_24h_100CC	01/01/2000 07:00:00	2.724
SCS_24h_100CC	01/01/2000 07:15:00	2.724
SCS_24h_100CC	01/01/2000 07:30:00	2.724
SCS_24h_100CC	01/01/2000 07:45:00	2.724

```
SCS_24h_100CC    01/01/2000 08:00:00   3.2196
SCS_24h_100CC    01/01/2000 08:15:00   3.2196
SCS_24h_100CC    01/01/2000 08:30:00   3.468
SCS_24h_100CC    01/01/2000 08:45:00   3.468
SCS_24h_100CC    01/01/2000 09:00:00   3.9624
SCS_24h_100CC    01/01/2000 09:15:00   3.9624
SCS_24h_100CC    01/01/2000 09:30:00   4.458
SCS_24h_100CC    01/01/2000 09:45:00   4.458
SCS_24h_100CC    01/01/2000 10:00:00   5.696401
SCS_24h_100CC    01/01/2000 10:15:00   5.696401
SCS_24h_100CC    01/01/2000 10:30:00   7.6776
SCS_24h_100CC    01/01/2000 10:45:00   7.6776
SCS_24h_100CC    01/01/2000 11:00:00   11.8884
SCS_24h_100CC    01/01/2000 11:15:00   11.8884
SCS_24h_100CC    01/01/2000 11:30:00   36.6564
SCS_24h_100CC    01/01/2000 11:45:00   151.5804
SCS_24h_100CC    01/01/2000 12:00:00   17.8332
SCS_24h_100CC    01/01/2000 12:15:00   17.8332
SCS_24h_100CC    01/01/2000 12:30:00   9.1644
SCS_24h_100CC    01/01/2000 12:45:00   9.1644
SCS_24h_100CC    01/01/2000 13:00:00   6.6876
SCS_24h_100CC    01/01/2000 13:15:00   6.6876
SCS_24h_100CC    01/01/2000 13:30:00   5.2008
SCS_24h_100CC    01/01/2000 13:45:00   5.2008
SCS_24h_100CC    01/01/2000 14:00:00   3.7152
SCS_24h_100CC    01/01/2000 14:15:00   3.7152
SCS_24h_100CC    01/01/2000 14:30:00   3.7152
SCS_24h_100CC    01/01/2000 14:45:00   3.7152
SCS_24h_100CC    01/01/2000 15:00:00   3.7152
SCS_24h_100CC    01/01/2000 15:15:00   3.7152
SCS_24h_100CC    01/01/2000 15:30:00   3.7152
SCS_24h_100CC    01/01/2000 15:45:00   3.7152
SCS_24h_100CC    01/01/2000 16:00:00   2.2296
SCS_24h_100CC    01/01/2000 16:15:00   2.2296
SCS_24h_100CC    01/01/2000 16:30:00   2.2296
SCS_24h_100CC    01/01/2000 16:45:00   2.2296
SCS_24h_100CC    01/01/2000 17:00:00   2.2296
SCS_24h_100CC    01/01/2000 17:15:00   2.2296
SCS_24h_100CC    01/01/2000 17:30:00   2.2296
SCS_24h_100CC    01/01/2000 17:45:00   2.2296
SCS_24h_100CC    01/01/2000 18:00:00   2.2296
SCS_24h_100CC    01/01/2000 18:15:00   2.2296
SCS_24h_100CC    01/01/2000 18:30:00   2.2296
SCS_24h_100CC    01/01/2000 18:45:00   2.2296
SCS_24h_100CC    01/01/2000 19:00:00   2.2296
SCS_24h_100CC    01/01/2000 19:15:00   2.2296
SCS_24h_100CC    01/01/2000 19:30:00   2.2296
SCS_24h_100CC    01/01/2000 19:45:00   2.2296
SCS_24h_100CC    01/01/2000 20:00:00   1.4856
SCS_24h_100CC    01/01/2000 20:15:00   1.4856
SCS_24h_100CC    01/01/2000 20:30:00   1.4856
SCS_24h_100CC    01/01/2000 20:45:00   1.4856
SCS_24h_100CC    01/01/2000 21:00:00   1.4856
SCS_24h_100CC    01/01/2000 21:15:00   1.4856
SCS_24h_100CC    01/01/2000 21:30:00   1.4856
SCS_24h_100CC    01/01/2000 21:45:00   1.4856
SCS_24h_100CC    01/01/2000 22:00:00   1.4856
SCS_24h_100CC    01/01/2000 22:15:00   1.4856
SCS_24h_100CC    01/01/2000 22:30:00   1.4856
SCS_24h_100CC    01/01/2000 22:45:00   1.4856
SCS_24h_100CC    01/01/2000 23:00:00   1.4856
SCS_24h_100CC    01/01/2000 23:15:00   1.4856
SCS_24h_100CC    01/01/2000 23:30:00   1.4856
SCS_24h_100CC    01/01/2000 23:45:00   1.4856
SCS_24h_100CC    01/02/2000 00:00:00   0

;Rainfall (mm/hr)
SCS_24h_2        07/23/2009 00:00:00   0.528
SCS_24h_2        07/23/2009 00:15:00   0.528
SCS_24h_2        07/23/2009 00:30:00   0.528
SCS_24h_2        07/23/2009 00:45:00   0.528
SCS_24h_2        07/23/2009 01:00:00   0.528
SCS_24h_2        07/23/2009 01:15:00   0.528
SCS_24h_2        07/23/2009 01:30:00   0.528
SCS_24h_2        07/23/2009 01:45:00   0.528
SCS_24h_2        07/23/2009 02:00:00   0.624
SCS_24h_2        07/23/2009 02:15:00   0.624
SCS_24h_2        07/23/2009 02:30:00   0.624
SCS_24h_2        07/23/2009 02:45:00   0.624
SCS_24h_2        07/23/2009 03:00:00   0.624
SCS_24h_2        07/23/2009 03:15:00   0.624
SCS_24h_2        07/23/2009 03:30:00   0.624
SCS_24h_2        07/23/2009 03:45:00   0.624
SCS_24h_2        07/23/2009 04:00:00   0.768
SCS_24h_2        07/23/2009 04:15:00   0.768
SCS_24h_2        07/23/2009 04:30:00   0.768
SCS_24h_2        07/23/2009 04:45:00   0.768
SCS_24h_2        07/23/2009 05:00:00   0.768
SCS_24h_2        07/23/2009 05:15:00   0.768
SCS_24h_2        07/23/2009 05:30:00   0.768
SCS_24h_2        07/23/2009 05:45:00   0.768
SCS_24h_2        07/23/2009 06:00:00   0.864
SCS_24h_2        07/23/2009 06:15:00   0.864
SCS_24h_2        07/23/2009 06:30:00   0.864
SCS_24h_2        07/23/2009 06:45:00   0.864
SCS_24h_2        07/23/2009 07:00:00   1.056
SCS_24h_2        07/23/2009 07:15:00   1.056
SCS_24h_2        07/23/2009 07:30:00   1.056
SCS_24h_2        07/23/2009 07:45:00   1.056
SCS_24h_2        07/23/2009 08:00:00   1.248
SCS_24h_2        07/23/2009 08:15:00   1.248
SCS_24h_2        07/23/2009 08:30:00   1.344
SCS_24h_2        07/23/2009 08:45:00   1.344
SCS_24h_2        07/23/2009 09:00:00   1.536
SCS_24h_2        07/23/2009 09:15:00   1.536
SCS_24h_2        07/23/2009 09:30:00   1.728
SCS_24h_2        07/23/2009 09:45:00   1.728
SCS_24h_2        07/23/2009 10:00:00   2.208
SCS_24h_2        07/23/2009 10:15:00   2.208
SCS_24h_2        07/23/2009 10:30:00   2.976
SCS_24h_2        07/23/2009 10:45:00   2.976
SCS_24h_2        07/23/2009 11:00:00   4.608
SCS_24h_2        07/23/2009 11:15:00   4.608
SCS_24h_2        07/23/2009 11:30:00   14.208
SCS_24h_2        07/23/2009 11:45:00   58.752
SCS_24h_2        07/23/2009 12:00:00   6.912
SCS_24h_2        07/23/2009 12:15:00   6.912
SCS_24h_2        07/23/2009 12:30:00   3.552
SCS_24h_2        07/23/2009 12:45:00   3.552
SCS_24h_2        07/23/2009 13:00:00   2.592
SCS_24h_2        07/23/2009 13:15:00   2.592
SCS_24h_2        07/23/2009 13:30:00   2.016
SCS_24h_2        07/23/2009 13:45:00   2.016
SCS_24h_2        07/23/2009 14:00:00   1.44
SCS_24h_2        07/23/2009 14:15:00   1.44
SCS_24h_2        07/23/2009 14:30:00   1.44
SCS_24h_2        07/23/2009 14:45:00   1.44
SCS_24h_2        07/23/2009 15:00:00   1.44
SCS_24h_2        07/23/2009 15:15:00   1.44
SCS_24h_2        07/23/2009 15:30:00   1.44
SCS_24h_2        07/23/2009 15:45:00   1.44
SCS_24h_2        07/23/2009 16:00:00   0.864
SCS_24h_2        07/23/2009 16:15:00   0.864
SCS_24h_2        07/23/2009 16:30:00   0.864
SCS_24h_2        07/23/2009 16:45:00   0.864
SCS_24h_2        07/23/2009 17:00:00   0.864
SCS_24h_2        07/23/2009 17:15:00   0.864
SCS_24h_2        07/23/2009 17:30:00   0.864
SCS_24h_2        07/23/2009 17:45:00   0.864
SCS_24h_2        07/23/2009 18:00:00   0.864
SCS_24h_2        07/23/2009 18:15:00   0.864
SCS_24h_2        07/23/2009 18:30:00   0.864
SCS_24h_2        07/23/2009 18:45:00   0.864
SCS_24h_2        07/23/2009 19:00:00   0.864
SCS_24h_2        07/23/2009 19:15:00   0.864
SCS_24h_2        07/23/2009 19:30:00   0.864
SCS_24h_2        07/23/2009 19:45:00   0.864
SCS_24h_2        07/23/2009 20:00:00   0.576
SCS_24h_2        07/23/2009 20:15:00   0.576
SCS_24h_2        07/23/2009 20:30:00   0.576
SCS_24h_2        07/23/2009 20:45:00   0.576
SCS_24h_2        07/23/2009 21:00:00   0.576
SCS_24h_2        07/23/2009 21:15:00   0.576
SCS_24h_2        07/23/2009 21:30:00   0.576
SCS_24h_2        07/23/2009 21:45:00   0.576
SCS_24h_2        07/23/2009 22:00:00   0.576
SCS_24h_2        07/23/2009 22:15:00   0.576
SCS_24h_2        07/23/2009 22:30:00   0.576
SCS_24h_2        07/23/2009 22:45:00   0.576
SCS_24h_2        07/23/2009 23:00:00   0.576
SCS_24h_2        07/23/2009 23:15:00   0.576
SCS_24h_2        07/23/2009 23:30:00   0.576
SCS_24h_2        07/23/2009 23:45:00   0.576
SCS_24h_2        07/24/2009 00:00:00   0

SCS_24h_5        01/01/2000 00:00:00   0.686
SCS_24h_5        01/01/2000 00:15:00   0.686
SCS_24h_5        01/01/2000 00:30:00   0.686
SCS_24h_5        01/01/2000 00:45:00   0.686
SCS_24h_5        01/01/2000 01:00:00   0.686
SCS_24h_5        01/01/2000 01:15:00   0.686
SCS_24h_5        01/01/2000 01:30:00   0.686
SCS_24h_5        01/01/2000 01:45:00   0.686
SCS_24h_5        01/01/2000 02:00:00   0.811
SCS_24h_5        01/01/2000 02:15:00   0.811
SCS_24h_5        01/01/2000 02:30:00   0.811
SCS_24h_5        01/01/2000 02:45:00   0.811
SCS_24h_5        01/01/2000 03:00:00   0.811
SCS_24h_5        01/01/2000 03:15:00   0.811
SCS_24h_5        01/01/2000 03:30:00   0.811
SCS_24h_5        01/01/2000 03:45:00   0.811
SCS_24h_5        01/01/2000 04:00:00   0.998
SCS_24h_5        01/01/2000 04:15:00   0.998
SCS_24h_5        01/01/2000 04:30:00   0.998
SCS_24h_5        01/01/2000 04:45:00   0.998
SCS_24h_5        01/01/2000 05:00:00   0.998
SCS_24h_5        01/01/2000 05:15:00   0.998
SCS_24h_5        01/01/2000 05:30:00   0.998
SCS_24h_5        01/01/2000 05:45:00   0.998
SCS_24h_5        01/01/2000 06:00:00   1.123
SCS_24h_5        01/01/2000 06:15:00   1.123
SCS_24h_5        01/01/2000 06:30:00   1.123
SCS_24h_5        01/01/2000 06:45:00   1.123
SCS_24h_5        01/01/2000 07:00:00   1.373
SCS_24h_5        01/01/2000 07:15:00   1.373
SCS_24h_5        01/01/2000 07:30:00   1.373
SCS_24h_5        01/01/2000 07:45:00   1.373
SCS_24h_5        01/01/2000 08:00:00   1.622
SCS_24h_5        01/01/2000 08:15:00   1.622
SCS_24h_5        01/01/2000 08:30:00   1.747
SCS_24h_5        01/01/2000 08:45:00   1.747
SCS_24h_5        01/01/2000 09:00:00   1.997
SCS_24h_5        01/01/2000 09:15:00   1.997
SCS_24h_5        01/01/2000 09:30:00   2.246
SCS_24h_5        01/01/2000 09:45:00   2.246
SCS_24h_5        01/01/2000 10:00:00   2.87
SCS_24h_5        01/01/2000 10:15:00   2.87
SCS_24h_5        01/01/2000 10:30:00   3.869
SCS_24h_5        01/01/2000 10:45:00   3.869
SCS_24h_5        01/01/2000 11:00:00   5.99
SCS_24h_5        01/01/2000 11:15:00   5.99
SCS_24h_5        01/01/2000 11:30:00   18.47
SCS_24h_5        01/01/2000 11:45:00   76.378
SCS_24h_5        01/01/2000 12:00:00   8.986
SCS_24h_5        01/01/2000 12:15:00   8.986
SCS_24h_5        01/01/2000 12:30:00   4.618
SCS_24h_5        01/01/2000 12:45:00   4.618
SCS_24h_5        01/01/2000 13:00:00   3.37
SCS_24h_5        01/01/2000 13:15:00   3.37
SCS_24h_5        01/01/2000 13:30:00   2.621
SCS_24h_5        01/01/2000 13:45:00   2.621
SCS_24h_5        01/01/2000 14:00:00   1.872
SCS_24h_5        01/01/2000 14:15:00   1.872
SCS_24h_5        01/01/2000 14:30:00   1.872
SCS_24h_5        01/01/2000 14:45:00   1.872
SCS_24h_5        01/01/2000 15:00:00   1.872
SCS_24h_5        01/01/2000 15:15:00   1.872
SCS_24h_5        01/01/2000 15:30:00   1.872
SCS_24h_5        01/01/2000 15:45:00   1.872
SCS_24h_5        01/01/2000 16:00:00   1.123
SCS_24h_5        01/01/2000 16:15:00   1.123
SCS_24h_5        01/01/2000 16:30:00   1.123
SCS_24h_5        01/01/2000 16:45:00   1.123
SCS_24h_5        01/01/2000 17:00:00   1.123
SCS_24h_5        01/01/2000 17:15:00   1.123
SCS_24h_5        01/01/2000 17:30:00   1.123
SCS_24h_5        01/01/2000 17:45:00   1.123
SCS_24h_5        01/01/2000 18:00:00   1.123
SCS_24h_5        01/01/2000 18:15:00   1.123
SCS_24h_5        01/01/2000 18:30:00   1.123
SCS_24h_5        01/01/2000 18:45:00   1.123
SCS_24h_5        01/01/2000 19:00:00   1.123
SCS_24h_5        01/01/2000 19:15:00   1.123
SCS_24h_5        01/01/2000 19:30:00   1.123
SCS_24h_5        01/01/2000 19:45:00   1.123
SCS_24h_5        01/01/2000 20:00:00   0.749
SCS_24h_5        01/01/2000 20:15:00   0.749
SCS_24h_5        01/01/2000 20:30:00   0.749
SCS_24h_5        01/01/2000 20:45:00   0.749
SCS_24h_5        01/01/2000 21:00:00   0.749
SCS_24h_5        01/01/2000 21:15:00   0.749
SCS_24h_5        01/01/2000 21:30:00   0.749
SCS_24h_5        01/01/2000 21:45:00   0.749
SCS_24h_5        01/01/2000 22:00:00   0.749
SCS_24h_5        01/01/2000 22:15:00   0.749
SCS_24h_5        01/01/2000 22:30:00   0.749
SCS_24h_5        01/01/2000 22:45:00   0.749
SCS_24h_5        01/01/2000 23:00:00   0.749
SCS_24h_5        01/01/2000 23:15:00   0.749
SCS_24h_5        01/01/2000 23:30:00   0.749
SCS_24h_5        01/01/2000 23:45:00   0.749
SCS_24h_5        01/02/2000 00:00:00   0

[REPORT]
;;Reporting Options
INPUT     YES
CONTROLS  NO
SUBCATCHMENTS ALL
NODES ALL
LINKS ALL

[TAGS]
Node      ST4_108A_(P-Stm) EES_Manhole
Node      500_(C-STRM)     Manhole
Node      502_(C-STRM)     Manhole
Node      503_(C-STRM)     Manhole
Node      504_(C-STRM)     Manhole
Node      505_(C-STRM)     Manhole
Node      506_(C-STRM)     Manhole
Node      507_(C-STRM)     Manhole
Node      508_(C-STRM)     Manhole
Node      509_(C-STRM)     Manhole
Node      510_(C-STRM)     Manhole
Node      511_(C-STRM)     Manhole
Node      512_(C-STRM)     Manhole
Node      513_(C-STRM)     Manhole
Node      514_(C-STRM)     Manhole
Node      515_(C-STRM)     Manhole
Node      516_(C-STRM)     Manhole
Node      517_(C-STRM)     Manhole
Node      518_(C-STRM)     Manhole
Node      519_(C-STRM)     Manhole
Node      520_(C-STRM)     Manhole
Node      522_(C-STRM)     Manhole
Node      525_(C-STRM)     Manhole
Node      528_(C-STRM)     Manhole
Node      532_(C-STRM)     Manhole
Node      536_(C-STRM)     Manhole
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Node       540_(C-STRM)     Manhole
Node       541_(C-STRM)     Manhole
Node       551_(C-STRM)     Manhole
Node       552_(C-STRM)     Manhole
Node       553_(C-STRM)     Manhole
Node       554_(C-STRM)     Manhole
Node       555_(C-STRM)     Manhole
Node       556_(C-STRM)     Manhole
Node       601_(C-STRM)     Manhole
Node       602_(C-STRM)     Manhole
Node       603_(C-STRM)     Manhole
Node       604_(C-STRM)     Manhole
Node       605_(C-STRM)     Manhole
Node       619_(C-STRM)     Manhole
Node       622_(C-STRM)     Manhole
Node       626_(C-STRM)     Manhole
Node       627_(C-STRM)     Manhole
Node       629_(C-STRM)     Manhole
Node       630_(C-STRM)     Manhole
Node       630Ã_(C-STRM)    Manhole
Node       634_(C-STRM)     Manhole
Node       643_(C-STRM)     Manhole
Node       644_(C-STRM)     Manhole
Node       645_(C-STRM)     Manhole
Node       646_(C-STRM)     Manhole
Node       647_(C-STRM)     Manhole
Node       650_(C-STRM)     Manhole
Node       651_(C-STRM)     Manhole
Node       652_(C-STRM)     Manhole
Node       MTD_(C-STRM)     Manhole
Node       OVERFLOW_(C-STRM) Manhole
Link       BDR-C1           RY_Swale
Link       BDR-C2           Storm_Sewer
Link       BDR-C3           Storm_Sewer
Link       BDR-C4           Storm_Sewer
Link       C1               Street
Link       C1_1             Street
Link       C1_11            Street
Link       C1_2             Street
Link       C1_3             Street
Link       C1_4             Street
Link       C1_5             Street
Link       C1_6             Street
Link       C1_7             Street
Link       C1_8             Street
Link       C1_9             Street
Link       C2               Street
Link       C2_1             Street
Link       C2_10            Street
Link       C2_11            Street
Link       C2_12            Street
Link       C2_13            Street
Link       C2_14            Street
Link       C2_15            Street
Link       C2_16            Street
Link       C2_18            Street
Link       C2_2             Street
Link       C2_3             Street
Link       C2_4             Street
Link       C2_5             Street
Link       C2_7             Street
Link       C2_8             Street
Link       C2_9             Street
Link       C3               Street
Link       C3_2             Street
Link       C3_6             Street
Link       C3_7             Street
Link       C4               Street
Link       C4_5             Street
Link       C4_6             Street
Link       C4_7             Street
Link       C5               Street
Link       C5_1             RY_Swale
Link       C5_10            RY_Swale
Link       C5_11            RY_Swale
Link       C5_12            RY_Swale
Link       C5_13            RY_Swale
Link       C5_14            RY_Swale
Link       C5_15            RY_Swale
Link       C5_16            RY_Swale
Link       C5_17            RY_Swale
Link       C5_18            Street
Link       C5_19            RY_Swale
Link       C5_2             RY_Swale
Link       C5_20            RY_Swale
Link       C5_21            RY_Swale
Link       C5_23            RY_Swale
Link       C5_24            Street
Link       C5_25            Street
Link       C5_3             RY_Swale
Link       C5_4             RY_Swale
Link       C5_5             RY_Swale
Link       C5_6             RY_Swale
Link       C5_7             RY_Swale
Link       C5_8             RY_Swale
Link       C5_9             RY_Swale
Link       C6               Street
Link       C7               Street
Link       CVR-C2           Storm_Sewer
Link       CVR-C3           Storm_Sewer
Link       CVR-C4           Storm_Sewer
Link       ST4-Pipe_-_(99)_(P-Stm) Storm_Sewer

[MAP]
DIMENSIONS       363434.49435     5009839.55145    365087.03865     5011228.00555
UNITS            Meters

[COORDINATES]
;;Node            X-Coord            Y-Coord
;;--------------- ------------------ ------------------
EXD_1            363523.116         5010675.315
EXD_10           364038.851         5010051.889
EXD_11           364016.337         5010040.163
EXD_12           363990.217         5010022.204
EXD_13           363545.642         5010624.076
EXD_14           364842.56          5010481.409
EXD_15           364717.597         5010413.683
EXD_16           364697.312         5010402.112
EXD_17           364604.456         5010349.047
EXD_18           364517.007         5010299.017
EXD_19           364420.804         5010243.977
EXD_2            363588.037         5010528.766
EXD_20           364409.655         5010237.617
EXD_21           364402.726         5010233.644
EXD_22           364344.695         5010200.434
EXD_23           364255.625         5010149.475
EXD_24           364165.921         5010098.154
EXD_25           364117.912         5010070.687
EXD_26           364105.512         5010063.593
EXD_27           363999.596         5010002.997
EXD_3            363626.696         5010441.857
EXD_4            363651.753         5010385.539
EXD_5            363658.48          5010370.423
EXD_6            363666.539         5010352.286
EXD_7            363709.017         5010256.795
EXD_8            363778.647         5010106.839
EXD_9            363787.705         5010093.248
J1               364467.119         5010314.703
J13              364411.376         5010418.212
J17              363531.156         5010658.126
J19              363994.49          5010316.762
J2               363673.535         5010761.198
J20              363998.971         5010428.807
J21              363987.939         5010503.703
J22              363966.97          5010573.525
J23              363991.229         5010587.334
J27              363673.893         5010761.42
J28              363843.098         5010829.951
J3               364185.605         5010285.43
J31              364133.024         5010668.242
J35              364187.737         5010426.649
J36              364125.03          5010391.253
J37              364227.823         5010448.217
J38              364252.517         5010461.543
J39              364291.211         5010482.425
J4               364248.182         5010322.149
J40              364379.195         5010473.997
J42              364354.733         5010516.405
J43              364381.226         5010532.652
J45              364442.4           5010567.06
J46              364523.272         5010613.702
J47              364343.694         5010597.622
J49              364214.239         5010527.758
J5               364291.177         5010347.079
J50              364297.332         5010677.768
J51              364434.208         5010843.371
J52              364403.958         5010823.808
J55              364293.659         5011089.835
J56              364110.049         5011030.083
J57              364128.526         5010994.585
J58              364157.602         5010923.619
J6               364350.574         5010381.059
J60              364260.776         5010740.97
J61              364195.56          5010703.928
J62              364168.559         5010606.773
J63              364090.71          5010371.669
J66              364190.824         5010861.972
J67              364225.859         5010801.37
J74              364629.157         5010413.533
OF1              364625.851         5010285.612
OF2              364312.059         5011164.894
OF3              364012.194         5009977.198
ST4_108A_(P-Stm) 364663.668         5010439.317
500_(C-STRM)     364422.96          5010478.18
502_(C-STRM)     364354.897         5010520.148
503_(C-STRM)     364378.98          5010533.486
504_(C-STRM)     364337.329         5010605.557
505_(C-STRM)     364295.278         5010678.323
506_(C-STRM)     364260.216         5010738.942
507_(C-STRM)     364234.325         5010783.742
508_(C-STRM)     364211.549         5010823.131
509_(C-STRM)     364188.774         5010862.521
510_(C-STRM)     364160.669         5010910.599
511_(C-STRM)     364155.768         5010924.293
512_(C-STRM)     364140.786         5010966.152
513_(C-STRM)     364127.885         5010992.484
514_(C-STRM)     364210.306         5011040.025
515_(C-STRM)     364292.72          5011087.562
516_(C-STRM)     364035.519         5010939.207
517_(C-STRM)     363943.721         5010886.258
518_(C-STRM)     363851.347         5010832.977
519_(C-STRM)     363756.631         5010810.077
520_(C-STRM)     363673.294         5010762.717
522_(C-STRM)     363595.501         5010717.988
525_(C-STRM)     364412.671         5010418.959
528_(C-STRM)     364347.719         5010381.47
532_(C-STRM)     364287.958         5010346.978
536_(C-STRM)     364245.952         5010322.735
540_(C-STRM)     364183.592         5010286.747
541_(C-STRM)     364159.735         5010328.102
551_(C-STRM)     364301.421         5010491.288
552_(C-STRM)     364248.399         5010462.673
553_(C-STRM)     364185.069         5010428.267
554_(C-STRM)     364122.253         5010393.065
555_(C-STRM)     364056.943         5010355.796
556_(C-STRM)     363991.633         5010318.528
601_(C-STRM)     364481.846         5010592.113
602_(C-STRM)     364441.301         5010568.963
603_(C-STRM)     364375.398         5010534.615
604_(C-STRM)     364339.386         5010597.002
605_(C-STRM)     364295.477         5010674.982
619_(C-STRM)     364195.649         5010706.77
622_(C-STRM)     364130.469         5010669.664
626_(C-STRM)     363929.763         5010723.042
627_(C-STRM)     363958.963         5010656.807
629_(C-STRM)     364060.262         5010628.451
630_(C-STRM)     363988.468         5010588.644
630Ã_(C-STRM)    363964.916         5010575.233
633_(C-STRM)     364204.528         5010541.558
634_(C-STRM)     364166.506         5010607.329
637_(C-STRM)     364140.033         5010509.991
643_(C-STRM)     364103.97          5010571.643
644_(C-STRM)     364045.621         5010538.346
645_(C-STRM)     363986.018         5010504.432
646_(C-STRM)     363998.149         5010414.195
647_(C-STRM)     363993.605         5010321.38
650_(C-STRM)     364240.52          5010629.152
651_(C-STRM)     364274.552         5010570.285
652_(C-STRM)     364284.91          5010567.603
Filter_Bed       364419.596         5010510.993
Industrial_NORTH 363949.967         5010566.736
Industrial_South 363998.21          5010225.034
MTD_(C-STRM)     364376.407         5010481.813
OVERFLOW_(C-STRM) 364409.763         5010501.056
PARK             364427.643         5010609.802
POND_(C-STRM)    364498.368         5010561.258
S_504-503        364369.049         5010622.772
S_525-MTD        364442.852         5010366.719
S_528-525        364377.751         5010329.41
S_532-528        364317.04          5010296.567
S_536-532        364273.797         5010274.467
S_540-536        364235.783         5010196.273
S_545-541        364099.803         5010293.902
S_607-6051       364369.053         5010716.97
S_620-619        364159.029         5010770.115
S_622-619        364097.745         5010632.712
S_623-622        364093.515         5010733.588
S_627-630        363935.208         5010646.228
S_652-604        364278.756         5010536.799
Woodlot_North    363949.403         5010777.065

[VERTICES]
;;Link            X-Coord            Y-Coord
;;--------------- ------------------ ------------------
C1               363764.854         5010813.166
C1               363767.114         5010814.634
C1               363769.712         5010815.877
C1               363772.537         5010816.957
C1               363775.814         5010817.798
C1               363778.186         5010818.024
C1               363809.348         5010819.576
C1               363811.415         5010819.665
C1               363813.842         5010819.935
C1               363816.628         5010820.295
C1               363819.235         5010820.744
C1_1             364091.674         5010973.328
C1_1             364106.149         5010981.677
C1_11            364353.098         5010581.365
C1_2             364153.343         5011008.899
C1_3             364115.857         5011019.977
C1_4             364161.53          5010912.645
C1_4             364190.103         5010863.22
C1_5             364140.581         5010971.174
C1_7             364250.238         5010759.198
C1_8             364268.256         5010728.031
C2_1             364413.704         5010829.919
C2_10            364114.649         5010385.329
C2_11            364135.494         5010397.225
C2_11            364177.31          5010421.087
C2_12            364198.6           5010432.445
C2_12            364217.51          5010442.65
C2_13            364238.637         5010454.052
C2_14            364253.265         5010461.947
C2_14            364280.897         5010476.859
C2_15            364302.024         5010488.261
C2_15            364344.385         5010511.122
C2_16            364365.787         5010522.048
C2_16            364355.684         5010516.891
```

C2_18	364405.657	5010545.879
C2_2	364247.752	5010733.724
C2_2	364206.025	5010709.9
C2_3	364400.993	5010821.949
C2_3	364393.627	5010817.33
C2_3	364273.94	5010748.294
C2_4	364185.181	5010698.005
C2_4	364143.491	5010674.215
C2_4	364134.651	5010669.17
C2_5	364122.645	5010662.32
C2_7	363981.568	5010581.822
C2_9	364442.955	5010567.387
C3_2	363971.938	5010559.889
C3_2	363976.523	5010546.12
C3_2	363980.723	5010532.228
C3_2	363984.533	5010518.225
C3_2	363987.305	5010506.406
C3_6	363989.403	5010497.462
C3_6	363992.76	5010480.504
C3_6	363995.514	5010463.438
C3_6	363997.661	5010446.286
C3_6	363998.867	5010429.999
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C4_5	364467.451	5010316.477
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C5_7	363825.679	5010066.691
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OR2	364507.263	5010561.68
OR2	364628.084	5010422.226
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W13	364178.656	5010287.157
W14	364236.347	5010205.712
W14	364192.23	5010280.936
W15	364275.373	5010280.37
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W16	364318.358	5010305.539
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W17	364378.876	5010336.081
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W3	364368.263	5010618.412
W3	364344.023	5010605.049
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W5	364434.105	5010372.892
W5	364411.633	5010411.242
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W7	364158.288	5010765.507
W7	364193.438	5010705.382
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C-STRM-71_(C-STRM)	363980.033	5010313.635
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OL19	364001.602	5010416.906
OL9	364343.552	5010600.04
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S1_2	363980.816	5010571.023
S1_2	363985.321	5010564.321
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S1_2	363994.671	5010521.709
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S10_1	364190.778	5010686.946
S10_1	364150.661	5010663.803
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S10_1	364147.874	5010690.349
S10_1	364085.421	5010799.756
S10_1	364074.462	5010793.498
S10_1	364059.534	5010795.365
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S10_2	363960.881	5010656.174
S10_2	363971.541	5010681.019
S10_2	363954.218	5010719.298
S10_2	363934.644	5010721.428
S10_2	363929.508	5010731.46
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S10_2	364105.493	5010684.323
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S15	364375.715	5010516.043
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S19	364018.15	5010356.301
S19	364045.233	5010371.933
S19	364068.45	5010385.325
S19	364089.966	5010372.914
S19	364090.943	5010399.147
S19	364164.287	5010441
S19	364187.041	5010427.855
S19	364185.431	5010404.665
S19	364172.954	5010397.472
S19	364158.091	5010388.755
S19	364145.618	5010381.555
S19	364124.334	5010392.494
S2	364003.677	5010470.648
S2	364003.557	5010470.461
S2	364015.258	5010471.349
S2	364016.693	5010446.478
S2	364018.321	5010418.279
S2	364018.531	5010414.634
S2	364020.506	5010380.404
S2	364008.282	5010367.232
S2	364008.299	5010367.218
S2	363990.955	5010367.591
S2	363991.345	5010376.925
S2	363991.525	5010384.348
S2	363991.595	5010392.955
S2	363991.512	5010401.814
S2	363991.33	5010408.985
S2	363990.887	5010419.27
S2	363990.549	5010424.998
S2	363990.237	5010428.849
S2	363989.652	5010436.693
S2	363989.254	5010440.978
S2	363987.807	5010454.061
S2	363987.446	5010456.908
S2	363986.567	5010462.978
S2	363985.355	5010471.355
S2	363985.126	5010472.771
S2	363982.298	5010488.552
S2	363979.366	5010502.404
S2	363987.763	5010505.693
S2	364007.018	5010500.043
S2	364014.456	5010487.355
S2	364003.677	5010470.648
S2_1	364141.688	5010581.213
S2_1	364210.554	5010462.379
S2_1	364195.531	5010454.318
S2_1	364190.405	5010451.569
S2_1	364187.041	5010427.855
S2_1	364164.287	5010441
S2_1	364090.943	5010399.147
S2_1	364089.966	5010372.914
S2_1	364068.45	5010385.325
S2_1	364045.233	5010371.933
S2_1	364018.15	5010356.301
S2_1	364015.248	5010361.328
S2_1	364008.282	5010367.232
S2_1	364020.506	5010380.404
S2_1	364018.531	5010414.634
S2_1	364018.321	5010418.279
S2_1	364016.693	5010446.478
S2_1	364015.258	5010471.349
S2_1	364003.557	5010470.461
S2_1	364014.456	5010487.355
S2_1	364007.018	5010500.043
S2_1	363987.73	5010505.7
S2_1	363994.671	5010521.709
S2_1	363996.644	5010528.091
S2_1	363994.576	5010534.506
S2_1	364148.971	5010622.61
S2_1	364154.727	5010612.683
S2_1	364168.573	5010606.768
S2_1	364162.635	5010593.017
S2_1	364141.688	5010581.213
S2_2	364154.727	5010612.683
S2_2	364148.971	5010622.61
S2_2	364148.999	5010622.626
S2_2	364128.416	5010658.517
S2_2	364131.728	5010670.484
S2_2	364150.661	5010663.803
S2_2	364156.96	5010667.437
S2_2	364225.372	5010548.847
S2_2	364261.144	5010486.969
S2_2	364254.659	5010483.22
S2_2	364251.789	5010462.812
S2_2	364228.925	5010472.235
S2_2	364210.554	5010462.379
S2_2	364141.688	5010581.213
S2_2	364162.635	5010593.017
S2_2	364168.573	5010606.768
S2_2	364154.727	5010612.683
S20_1	364264.741	5010456.179
S20_1	364251.789	5010462.812
S20_1	364254.659	5010483.22
S20_1	364261.144	5010486.969
S20_1	364267.392	5010490.58
S20_1	364279.205	5010487.309
S20_1	364277.293	5010501.335
S20_1	364345.624	5010540.328
S20_1	364381.226	5010532.652
S20_1	364353.873	5010517.891
S20_1	364353.303	5010494.769
S20_1	364320.866	5010476.057
S20_1	364319.714	5010475.392
S20_1	364290.486	5010483.682
S20_1	364289.847	5010457.766
S20_1	364270.311	5010446.495
S20_1	364264.741	5010456.179
S20_2	364264.741	5010456.179
S20_2	364270.311	5010446.495
S20_2	364250.425	5010435.023
S20_2	364227.099	5010449.473
S20_2	364223.512	5010425.694
S20_2	364210.068	5010417.938
S20_2	364187.041	5010427.855
S20_2	364190.405	5010451.569
S20_2	364228.925	5010472.235
S20_2	364251.791	5010462.799
S20_2	364251.789	5010462.812
S20_2	364264.741	5010456.179
S3	364225.372	5010548.847
S3	364156.96	5010667.437
S3	364190.778	5010686.946
S3	364194.096	5010706.359
S3	364214.618	5010700.811
S3	364243.148	5010717.328
S3	364271.899	5010667.664
S3	364306.485	5010607.928
S3	364311.094	5010599.968
S3	364343.694	5010597.622
S3	364328.891	5010568.664
S3	364345.624	5010540.328
S3	364277.293	5010501.335
S3	364279.205	5010487.309
S3	364267.392	5010490.58
S3	364261.144	5010486.969
S3	364225.372	5010548.847
S32_1	364409.238	5010561.827
S32_1	364409.344	5010561.993
S32_1	364409.407	5010561.884
S32_1	364517.306	5010624.114
S32_1	364529.321	5010603.324
S32_1	364410.371	5010534.745
S32_1	364391.565	5010524.596
S32_1	364379.087	5010517.862
S32_1	364375.747	5010516.059
S32_1	364353.873	5010517.891
S32_1	364381.226	5010532.652
S32_1	364387.353	5010553.493
S32_1	364392.123	5010564.753
S32_1	364392.116	5010564.765
S32_1	364409.238	5010561.827
S32_2	364409.238	5010561.827
S32_2	364392.116	5010564.765
S32_2	364365.822	5010610.201
S32_2	364340.652	5010653.694
S32_2	364325.76	5010652.538
S32_2	364349.15	5010665.887
S32_2	364409.344	5010561.993
S32_2	364409.238	5010561.827
S36	364653.232	5010388.336
S36	364402.544	5010244.433
S36	364108.914	5010075.881
S36	364051.92	5010042.361
S36	364024.904	5010080.6
S36	364075.043	5010105.77
S36	364222.542	5010176.402
S36	364244.651	5010186.99
S36	364250.222	5010189.657
S36	364343.049	5010235.784
S36	364367.951	5010248.158
S36	364405.263	5010266.698
S36	364494.568	5010317.785
S36	364506.834	5010324.793
S36	364644.753	5010403.601
S36	364653.232	5010388.336
S4	363849.749	5010818.775
S4	363896.533	5010712.715
S4	363930.156	5010636.805
S4	363948.718	5010595.005
S4	363953.667	5010583.472
S4	363958.32	5010571.815
S4	363964.273	5010555.518
S4	363969.654	5010539.023
S4	363974.455	5010522.35
S4	363978.672	5010505.519
S4	363982.298	5010488.552
S4	363687.165	5010318.483
S4	363533.032	5010667.075
S4	363679.786	5010751.454
S4	363775.796	5010806.657
S4	363776.42	5010806.95
S4	363777.053	5010807.221
S4	363777.695	5010807.472
S4	363778.345	5010807.7
S4	363779.003	5010807.907
S4	363779.667	5010808.091
S4	363780.336	5010808.253
S4	363781.011	5010808.393
S4	363781.69	5010808.51
S4	363782.373	5010808.604
S4	363783.058	5010808.675
S4	363783.745	5010808.723
S4	363784.434	5010808.748
S4	363785.123	5010808.75
S4	363785.811	5010808.729
S4	363808.538	5010808.175
S4	363811.23	5010808.174
S4	363813.92	5010808.263
S4	363816.606	5010808.442
S4	363819.284	5010808.712
S4	363821.952	5010809.071
S4	363824.606	5010809.52
S4	363827.243	5010810.059
S4	363829.861	5010810.685

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S4                363832.456          5010811.399
S4                363835.026          5010812.201
S4                363837.567          5010813.088
S4                363840.078          5010814.06
S4                363842.553          5010815.116
S4                363844.993          5010816.255
S4                363847.392          5010817.475
S4                363848.043          5010817.834
S4                363848.502          5010818.087
S4                363849.749          5010818.775
S5                363994.647          5010253.029
S5                364066.056          5010129.119
S5                364075.043          5010105.761
S5                364075.332          5010105.006
S5                364024.904          5010080.6
S5                364023.496          5010081.913
S5                364022.044          5010083.176
S5                364020.548          5010084.389
S5                364019.012          5010085.549
S5                364017.436          5010086.655
S5                364015.823          5010087.705
S5                364014.174          5010088.699
S5                364012.492          5010089.635
S5                364010.779          5010090.513
S5                364009.036          5010091.33
S5                364007.265          5010092.086
S5                364005.47           5010092.781
S5                364003.652          5010093.413
S5                364001.812          5010093.981
S5                363999.954          5010094.486
S5                363998.08           5010094.925
S5                363996.192          5010095.3
S5                363994.292          5010095.608
S5                363992.382          5010095.851
S5                363990.465          5010096.027
S5                363988.543          5010096.137
S5                363986.618          5010096.18
S5                363984.693          5010096.156
S5                363982.77           5010096.065
S5                363980.852          5010095.908
S5                363978.939          5010095.684
S5                363977.036          5010095.394
S5                363975.144          5010095.038
S5                363973.266          5010094.617
S5                363971.403          5010094.131
S5                363969.558          5010093.581
S5                363967.734          5010092.967
S5                363965.932          5010092.29
S5                363964.154          5010091.551
S5                363962.403          5010090.751
S5                363960.681          5010089.89
S5                363958.99           5010088.971
S5                363957.331          5010087.993
S5                363955.708          5010086.958
S5                363932.22           5010073.936
S5                363928.717          5010072.054
S5                363925.151          5010070.296
S5                363921.525          5010068.664
S5                363917.844          5010067.159
S5                363914.112          5010065.784
S5                363910.335          5010064.541
S5                363906.517          5010063.43
S5                363902.662          5010062.453
S5                363898.776          5010061.612
S5                363894.862          5010060.907
S5                363890.927          5010060.34
S5                363886.973          5010059.91
S5                363883.007          5010059.619
S5                363879.034          5010059.466
S5                363875.057          5010059.453
S5                363871.083          5010059.579
S5                363867.115          5010059.844
S5                363863.159          5010060.247
S5                363859.22           5010060.788
S5                363855.301          5010061.467
S5                363851.409          5010062.282
S5                363847.548          5010063.233
S5                363843.723          5010064.318
S5                363839.937          5010065.536
S5                363836.197          5010066.886
S5                363832.506          5010068.366
S5                363828.869          5010069.974
S5                363825.291          5010071.709
S5                363821.775          5010073.567
S5                363818.327          5010075.547
S5                363814.95           5010077.646
S5                363811.648          5010079.863
S5                363808.426          5010082.193
S5                363805.287          5010084.634
S5                363802.236          5010087.184
S5                363799.275          5010089.839
S5                363796.409          5010092.596
S5                363793.642          5010095.451
S5                363790.976          5010098.402
S5                363788.414          5010101.443
S5                363785.961          5010104.573
S5                363783.618          5010107.786
S5                363781.39           5010111.079
S5                363779.277          5010114.448
S5                363777.284          5010117.889
S5                363775.413          5010121.398
S5                363773.665          5010124.97
S5                363784.024          5010130.957
S6                363994.647          5010253.029
S6                364429.798          5010851.217
S6                364417.982          5010844.474
S6                364301.877          5011048.398
S6                364303.152          5011049.134
S6                364296.407          5011060.828
S6                364300.154          5011078.574
S6                364429.798          5010851.217
S7                364379.087          5010517.862
S7                364391.565          5010524.596
S7                364410.371          5010534.745
S7                364529.321          5010603.324
S7                364644.753          5010403.592
S7                364494.568          5010317.776
S7                364379.087          5010517.862
S8                364517.322          5010624.109
S8                364409.407          5010561.884
S8                364349.15           5010665.887
S8                364489.722          5010746.104
S8                364503.482          5010721.973
S8                364471.467          5010703.429
S8                364517.322          5010624.109

;;Storage Node   X-Coord           Y-Coord
;;--------------- ------------------ ------------------

[SYMBOLS]
;;Gage            X-Coord           Y-Coord
;;--------------- ------------------ ------------------
```

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
  Name                Data Source                    Data       Recording
                                                     Type       Interval
  ----------------------------------------------------------------------
  24SCS100            24SCS100                       INTENSITY   15 min.
  6SCS050             6SCS050                        INTENSITY   15 min.
  Rainfall            SCS_24h_2                      INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                Area     Width   %Imperv    %Slope Rain Gage            Outlet
  ------------------------------------------------------------------------------------
---------------
  A15_1               1.31     13.10     18.98    0.5000 Rainfall            EXD_8
  A15_2               2.15     13.10     18.98    0.5000 Rainfall            EXD_12
  A18                 0.59    338.21     39.12    0.5000 Rainfall            EXD_25
  A19                 1.11    332.78     22.32    0.5000 Rainfall            EXD_20
  A20                 4.83    279.76      8.37    1.5000 Rainfall            EXD_15
  NULL3               0.57    312.75     83.33    1.4500 Rainfall            EXD_27
  S1                  6.51   1465.85     64.29    2.0000 Rainfall            S_607-605
  S1_1                0.09    154.58     71.43    2.0000 Rainfall            J19
  S1_2                0.14    147.72     71.43    2.0000 Rainfall            J21
  S10_1               1.84    414.84     64.29    2.0000 Rainfall            S_620-619
  S10_2               2.13    479.37     64.29    2.0000 Rainfall            S_623-622
  S10_4               0.74    165.67     64.29    2.0000 Rainfall            S_627-630
  S10_5               1.26    284.06     64.29    2.0000 Rainfall            S_622-619
  S11                 3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                 0.44    346.44     71.43    2.0000 Rainfall            J2
  S14_1               0.60    371.55     71.43    2.0000 Rainfall            J27
  S14_3               1.06    381.29     71.43    2.0000 Rainfall            J57
  S14_4               0.31    138.84     71.43    2.0000 Rainfall            J47
  S14_5               1.69    653.02     71.43    2.0000 Rainfall            J28
  S14_6               0.28    141.02     71.43    2.0000 Rainfall            J58
  S14_7               1.19    549.94     71.43    2.0000 Rainfall            J60
  S14_8               0.43    191.40     71.43    2.0000 Rainfall            J50
  S15                 1.64    368.26     64.29    2.0000 Rainfall            S_525-MTD
  S16_1               0.46     16.60    100.00    0.5000 Rainfall            EXD_10
  S16_2               0.99     16.60    100.00    0.5000 Rainfall            EXD_8
  S17                 6.26    202.00      3.33    0.5000 Rainfall            EXD_7
  S18_2               3.35    754.05     67.14    2.0000 Rainfall            S_545-541
  S18_3               1.66    372.76     67.14    2.0000 Rainfall            S_528-525
  S18_4               0.88    197.06     67.14    2.0000 Rainfall            S_540-536
  S18_5               1.83    412.02     67.14    2.0000 Rainfall            S_536-532
  S18_6               0.84    188.96     67.14    2.0000 Rainfall            S_532-528
  S19                 0.97    462.04     71.43    2.0000 Rainfall            J35
  S2                  0.37    154.58     71.43    2.0000 Rainfall            J20
  S2_1                3.14    707.17     67.14    2.0000 Rainfall            637_(C-
STRM)
  S2_2                1.01    228.16     67.14    2.0000 Rainfall            633_(C-
STRM)
  S20_1               0.45    284.74     71.43    2.0000 Rainfall            J42
  S20_2               0.24    137.80     71.43    2.0000 Rainfall            J38
  S3                  2.12    476.98     64.29    2.0000 Rainfall            S_652-604
  S32_1               0.43    369.16     71.43    2.0000 Rainfall            J43
  S32_2               0.16     35.80     64.29    2.0000 Rainfall            S_504-503
  S36                 1.82     21.00    100.00    0.5000 Rainfall            EXD_10
  S4                 13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                  3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                  0.34    261.05     57.14    2.0000 Rainfall            OF2
  S7                  3.99    402.80     85.71    0.5000 Rainfall            POND_(C-
STRM)
  S8                  1.60    121.93     35.71    2.0000 Rainfall            PARK


  ************
  Node Summary
  ************
                                        Invert      Max.    Ponded    External
  Name                Type               Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  EXD_1               JUNCTION          104.39      1.51       0.0
  EXD_10              JUNCTION           98.65      1.20       0.0
  EXD_11              JUNCTION           98.50      1.20       0.0
  EXD_12              JUNCTION           98.31      1.20       0.0
  EXD_13              JUNCTION          104.32      1.10       0.0
  EXD_14              JUNCTION          102.49      0.80       0.0
  EXD_15              JUNCTION          100.27      0.80       0.0
  EXD_16              JUNCTION          100.20      0.80       0.0
  EXD_17              JUNCTION           99.89      0.80       0.0
  EXD_18              JUNCTION           99.40      0.84       0.0
  EXD_19              JUNCTION           99.19      0.88       0.0
  EXD_2               JUNCTION          103.47      1.93       0.0
  EXD_20              JUNCTION           99.19      0.88       0.0
  EXD_21              JUNCTION           99.18      0.88       0.0
  EXD_22              JUNCTION           99.14      0.88       0.0
  EXD_23              JUNCTION           98.75      1.14       0.0
  EXD_24              JUNCTION           98.67      1.14       0.0
  EXD_25              JUNCTION           98.52      1.13       0.0
  EXD_26              JUNCTION           98.48      1.13       0.0
  EXD_27              JUNCTION           98.17      1.20       0.0
  EXD_3               JUNCTION          103.19      1.41       0.0
  EXD_4               JUNCTION          102.64      1.20       0.0
  EXD_5               JUNCTION          102.50      1.20       0.0
  EXD_6               JUNCTION          102.32      1.08       0.0
  EXD_7               JUNCTION          101.50      1.06       0.0
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EXD_8	JUNCTION	100.48	1.06	0.0	
EXD_9	JUNCTION	100.39	1.06	0.0	
J1	JUNCTION	103.45	0.50	0.0	
J13	JUNCTION	103.30	0.50	0.0	
J17	JUNCTION	104.37	1.04	0.0	
J19	JUNCTION	105.60	0.50	0.0	
J2	JUNCTION	109.00	0.50	0.0	
J20	JUNCTION	105.80	0.50	0.0	
J21	JUNCTION	105.90	0.50	0.0	
J22	JUNCTION	106.00	0.50	0.0	
J23	JUNCTION	106.20	0.50	0.0	
J27	JUNCTION	109.00	0.50	0.0	
J28	JUNCTION	108.80	0.50	0.0	
J3	JUNCTION	103.70	0.50	0.0	
J31	JUNCTION	106.00	0.50	0.0	
J35	JUNCTION	104.70	0.50	0.0	
J36	JUNCTION	104.93	0.50	0.0	
J37	JUNCTION	104.65	0.50	0.0	
J38	JUNCTION	104.60	0.50	0.0	
J39	JUNCTION	104.45	0.50	0.0	
J4	JUNCTION	103.60	0.50	0.0	
J40	JUNCTION	103.20	0.50	0.0	
J42	JUNCTION	104.20	0.50	0.0	
J43	JUNCTION	104.50	0.50	0.0	
J45	JUNCTION	104.60	0.50	0.0	
J46	JUNCTION	105.10	0.50	0.0	
J47	JUNCTION	105.75	0.50	0.0	
J49	JUNCTION	105.30	0.50	0.0	
J5	JUNCTION	103.50	0.50	0.0	
J50	JUNCTION	106.75	0.50	0.0	
J51	JUNCTION	109.75	0.50	0.0	
J52	JUNCTION	109.00	0.50	0.0	
J55	JUNCTION	109.10	0.50	0.0	
J56	JUNCTION	108.47	0.50	0.0	
J57	JUNCTION	108.40	0.50	0.0	
J58	JUNCTION	108.00	0.50	0.0	
J6	JUNCTION	103.40	0.50	0.0	
J60	JUNCTION	107.00	0.50	0.0	
J61	JUNCTION	106.50	0.50	0.0	
J62	JUNCTION	105.70	0.50	0.0	
J63	JUNCTION	105.20	0.50	0.0	
J66	JUNCTION	107.75	0.50	0.0	
J67	JUNCTION	107.50	0.50	0.0	
J74	JUNCTION	98.45	0.90	0.0	
OF1	OUTFALL	100.80	0.00	0.0	
OF2	OUTFALL	0.00	0.00	0.0	
OF3	OUTFALL	98.00	1.06	0.0	
ST4_108A_(P-Stm)	OUTFALL	98.02	1.19	0.0	
500_(C-STRM)	STORAGE	100.37	2.79	0.0	
502_(C-STRM)	STORAGE	100.57	3.70	0.0	
503_(C-STRM)	STORAGE	100.61	3.91	0.0	
504_(C-STRM)	STORAGE	103.06	2.80	0.0	
505_(C-STRM)	STORAGE	103.48	3.27	0.0	
506_(C-STRM)	STORAGE	103.83	3.15	0.0	
507_(C-STRM)	STORAGE	104.17	3.19	0.0	
508_(C-STRM)	STORAGE	104.39	3.18	0.0	
509_(C-STRM)	STORAGE	104.62	3.12	0.0	
510_(C-STRM)	STORAGE	104.87	3.06	0.0	
511_(C-STRM)	STORAGE	104.94	3.06	0.0	
512_(C-STRM)	STORAGE	105.14	3.10	0.0	
513_(C-STRM)	STORAGE	105.27	3.12	0.0	
514_(C-STRM)	STORAGE	105.61	3.13	0.0	
515_(C-STRM)	STORAGE	105.88	3.22	0.0	
516_(C-STRM)	STORAGE	105.48	3.03	0.0	
517_(C-STRM)	STORAGE	105.64	3.00	0.0	
518_(C-STRM)	STORAGE	105.88	2.90	0.0	
519_(C-STRM)	STORAGE	106.10	2.79	0.0	
520_(C-STRM)	STORAGE	106.37	2.63	0.0	
522_(C-STRM)	STORAGE	104.31	3.00	0.0	
525_(C-STRM)	STORAGE	100.58	2.72	0.0	
528_(C-STRM)	STORAGE	100.70	2.71	0.0	
532_(C-STRM)	STORAGE	100.80	2.70	0.0	
536_(C-STRM)	STORAGE	100.95	2.65	0.0	
540_(C-STRM)	STORAGE	100.83	2.87	0.0	
541_(C-STRM)	STORAGE	100.91	2.92	0.0	
551_(C-STRM)	STORAGE	100.67	3.79	0.0	
552_(C-STRM)	STORAGE	100.77	3.86	0.0	
553_(C-STRM)	STORAGE	100.96	3.76	0.0	
554_(C-STRM)	STORAGE	101.08	3.89	0.0	
555_(C-STRM)	STORAGE	101.27	4.08	0.0	
556_(C-STRM)	STORAGE	101.39	4.21	0.0	
601_(C-STRM)	STORAGE	100.43	4.45	0.0	
602_(C-STRM)	STORAGE	100.48	4.16	0.0	
603_(C-STRM)	STORAGE	100.55	3.99	0.0	
604_(C-STRM)	STORAGE	100.63	5.14	0.0	
605_(C-STRM)	STORAGE	101.38	5.35	0.0	
619_(C-STRM)	STORAGE	101.12	5.40	0.0	
622_(C-STRM)	STORAGE	101.24	4.78	0.0	
626_(C-STRM)	STORAGE	104.00	3.20	0.0	
627_(C-STRM)	STORAGE	103.20	3.50	0.0	
629_(C-STRM)	STORAGE	101.71	4.40	0.0	
630_(C-STRM)	STORAGE	101.83	4.37	0.0	
630A_(C-STRM)	STORAGE	101.88	4.12	0.0	
633_TC-STRM)	STORAGE	105.30	0.50	0.0	
634_(C-STRM)	STORAGE	101.88	3.82	0.0	
637_(C-STRM)	STORAGE	105.35	0.50	0.0	
643_(C-STRM)	STORAGE	102.07	3.45	0.0	
644_(C-STRM)	STORAGE	102.54	3.17	0.0	
645_(C-STRM)	STORAGE	102.30	3.61	0.0	
646_(C-STRM)	STORAGE	102.43	3.34	0.0	
647_(C-STRM)	STORAGE	102.57	3.03	0.0	
650_(C-STRM)	STORAGE	100.99	5.17	0.0	
651_(C-STRM)	STORAGE	100.89	4.99	0.0	
652_(C-STRM)	STORAGE	100.87	4.97	0.0	
Filter_Bed	STORAGE	100.10	1.48	0.0	
IndustFial_NORTH	STORAGE	105.20	0.50	0.0	
Industrial_South	STORAGE	105.00	0.50	0.0	
MTD_(C-STRM)	STORAGE	100.36	3.02	0.0	
OVERFLOW_(C-STRM)	STORAGE	100.17	2.83	0.0	
PARK	STORAGE	105.36	0.50	0.0	
POND_(C-STRM)	STORAGE	98.45	2.65	0.0	Yes
S_507-503	STORAGE	105.75	0.50	0.0	
S_525-MTD	STORAGE	103.45	0.50	0.0	
S_528-525	STORAGE	103.50	0.50	0.0	
S_532-528	STORAGE	103.65	0.50	0.0	
S_536-532	STORAGE	103.70	0.50	0.0	
S_540-536	STORAGE	103.85	0.50	0.0	
S_545-541	STORAGE	103.90	0.50	0.0	
S_607-605	STORAGE	107.90	0.50	0.0	
S_620-619	STORAGE	106.90	0.50	0.0	
S_622-619	STORAGE	106.00	0.50	0.0	
S_623-622	STORAGE	106.50	0.50	0.0	
S_627-630	STORAGE	106.70	0.50	0.0	
S_652-604	STORAGE	105.85	0.50	0.0	
Woodlot_North	STORAGE	106.75	0.50	0.0	

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Link Summary
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Name	From Node	To Node	Type	Length	%Slope	Roughness
BDR-C1	EXD_15	EXD_16	CONDUIT	17.7	0.3844	0.0250
BDR-C2	EXD_20	EXD_21	CONDUIT	7.9	0.0632	0.0130
BDR-C3	EXD_25	EXD_26	CONDUIT	14.2	0.2683	0.0130
BDR-C4	EXD_12	EXD_27	CONDUIT	23.0	0.6077	0.0130
C1	J27	J28	CONDUIT	185.8	0.1077	0.0130
C1_1	J28	J57	CONDUIT	329.5	0.1214	0.0130
C1_11	J47	J43	CONDUIT	75.0	1.6661	0.0130
C1_2	J55	J57	CONDUIT	190.6	0.3672	0.0130
C1_3	J56	J57	CONDUIT	40.0	0.1748	0.0130
C1_4	J58	J66	CONDUIT	70.2	0.3562	0.0130
C1_5	J57	J58	CONDUIT	76.8	0.5205	0.0130
C1_6	J66	J67	CONDUIT	70.0	0.3571	0.0130
C1_7	J67	J60	CONDUIT	69.8	0.7166	0.0130
C1_8	J60	J50	CONDUIT	73.0	0.3424	0.0130
C1_9	J50	J47	CONDUIT	92.6	1.0800	0.0130
C2	J2	EXD_1	CONDUIT	173.2	1.9632	0.0130
C2_1	J51	J52	CONDUIT	39.5	1.8977	0.0130
C2_10	J63	J36	CONDUIT	39.5	0.6883	0.0130
C2_11	J36	J35	CONDUIT	72.0	0.3166	0.0130
C2_12	J35	J37	CONDUIT	45.5	0.1098	0.0130
C2_13	J37	J38	CONDUIT	28.9	0.1729	0.0130
C2_14	J38	J39	CONDUIT	44.0	0.3457	0.0130
C2_15	J39	J42	CONDUIT	72.0	0.3442	0.0130
C2_16	J43	J42	CONDUIT	31.1	0.9633	0.0130
C2_18	J45	J43	CONDUIT	70.2	0.1425	0.0130
C2_2	J60	J61	CONDUIT	75.0	0.6666	0.0130
C2_3	J52	J60	CONDUIT	165.4	1.2090	0.0130
C2_4	J61	J31	CONDUIT	72.0	0.6944	0.0130
C2_5	J23	J31	CONDUIT	163.3	0.1225	0.0130
C2_7	J23	J22	CONDUIT	27.9	0.7165	0.0130
C2_8	J19	J63	CONDUIT	110.8	0.3610	0.0130
C2_9	J46	J45	CONDUIT	93.4	0.5355	0.0130
C3	J3	J4	CONDUIT	72.6	0.1378	0.0130
C3_2	J22	J21	CONDUIT	73.0	0.1370	0.0130
C3_6	J21	J20	CONDUIT	75.8	0.1319	0.0130
C3_7	J20	J19	CONDUIT	112.3	0.1781	0.0130
C4	J4	J5	CONDUIT	49.7	0.2012	0.0130
C4_5	J1	J13	CONDUIT	118.4	0.1267	0.0130
C4_6	J42	J40	CONDUIT	45.9	2.1776	0.0130
C4_7	J13	J40	CONDUIT	64.4	0.1553	0.0130
C5	J5	J6	CONDUIT	68.4	0.1461	0.0130
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054	0.0250
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866	0.0250
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893	0.0250
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098	0.0250
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876	0.0250
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550	0.0250
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893	0.0250
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781	0.0250
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645	0.0250
C5_18	J31	J62	CONDUIT	71.0	0.4225	0.0130
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558	0.0250
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933	0.0250
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645	0.0250
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626	0.0250
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299	0.0250
C5_24	J62	J49	CONDUIT	91.3	0.4382	0.0130
C5_25	J49	J38	CONDUIT	76.5	0.9152	0.0130
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195	0.0250
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880	0.0250
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893	0.0250
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871	0.0250
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091	0.0250
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095	0.0250
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087	0.0250
C6	J6	J13	CONDUIT	71.5	0.1398	0.0130
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144	0.0130
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998	0.0130
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500	0.0130
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500	0.0130
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	CONDUIT	26.4	0.4998	0.0130
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021	0.0130
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	CONDUIT	14.0	0.5008	0.0130
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502	0.0130
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500	0.0130
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502	0.0130
C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495	0.0130
C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498	0.0130
C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502	0.0130
C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002	0.0130
C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995	0.0130

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  C-STRM-22_(1)_(C-STRM) 629_(C-STRM)      622_(C-STRM)      CONDUIT           81.4    0.1499
0.0130
  C-STRM-22_(C-STRM) 630_(C-STRM)      629_(C-STRM)      CONDUIT           82.1    0.1498
0.0130
  C-STRM-23_(C-STRM) 634_(C-STRM)      622_(C-STRM)      CONDUIT           72.0    0.1500
0.0130
  C-STRM-26_(1)_(C-STRM) 551_(C-STRM)      502_(C-STRM)      CONDUIT           60.8    0.1613
0.0130
  C-STRM-26_(C-STRM) 552_(C-STRM)      551_(C-STRM)      CONDUIT           60.3    0.1593
0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) 506_(C-STRM)      505_(C-STRM)      CONDUIT
70.0    0.4998    0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) 507_(C-STRM)      506_(C-STRM)      CONDUIT           51.7
0.5005    0.0130
  C-STRM-3_(1)_(1)_(1)_(C-STRM) 508_(C-STRM)      507_(C-STRM)      CONDUIT           45.5
0.5011    0.0130
  C-STRM-3_(1)_(1)_(C-STRM) 509_(C-STRM)      508_(C-STRM)      CONDUIT           45.5    0.4989
0.0130
  C-STRM-3_(1)_(2)_(C-STRM) 510_(C-STRM)      509_(C-STRM)      CONDUIT           55.7    0.4507
0.0130
  C-STRM-3_(1)_(C-STRM) 511_(C-STRM)      510_(C-STRM)      CONDUIT           14.5    0.4469
0.0130
  C-STRM-33_(1)_(C-STRM) 646_(C-STRM)      645_(C-STRM)      CONDUIT           91.0    0.1505
0.0130
  C-STRM-33_(C-STRM) 647_(C-STRM)      646_(C-STRM)      CONDUIT           92.9    0.1496
0.0130
  C-STRM-34_(1)_(1)_(C-STRM) 555_(C-STRM)      554_(C-STRM)      CONDUIT           75.2
0.1596    0.0130
  C-STRM-34_(1)_(C-STRM) 556_(C-STRM)      555_(C-STRM)      CONDUIT           75.2    0.1596
0.0130
  C-STRM-35_(1)_(C-STRM) 553_(C-STRM)      552_(C-STRM)      CONDUIT           72.1    0.1596
0.0130
  C-STRM-35_(C-STRM) 554_(C-STRM)      553_(C-STRM)      CONDUIT           72.0    0.1611
0.0130
  C-STRM-4_(1)_(C-STRM) 504_(C-STRM)      503_(C-STRM)      CONDUIT           83.2    0.6007
0.0130
  C-STRM-4_(C-STRM) 505_(C-STRM)      504_(C-STRM)      CONDUIT           84.0    0.4998
0.0130
  C-STRM-46_(1)_(1)_(C-STRM) 650_(C-STRM)      651_(C-STRM)      CONDUIT           68.0
0.1500    0.0130
  C-STRM-46_(1)_(C-STRM) 619_(C-STRM)      650_(C-STRM)      CONDUIT           89.7    0.1506
0.0130
  C-STRM-49_(C-STRM) 541_(C-STRM)      540_(C-STRM)      CONDUIT           47.7    0.1508
0.0130
  C-STRM-50_(C-STRM) 540_(C-STRM)      536_(C-STRM)      CONDUIT           72.0    0.1500
0.0130
  C-STRM-51_(C-STRM) 536_(C-STRM)      532_(C-STRM)      CONDUIT           48.5    0.1505
0.0130
  C-STRM-52_(C-STRM) 532_(C-STRM)      528_(C-STRM)      CONDUIT           69.0    0.1507
0.0130
  C-STRM-53_(C-STRM) 528_(C-STRM)      525_(C-STRM)      CONDUIT           75.0    0.1493
0.0130
  C-STRM-57_(C-STRM) 503_(C-STRM)      502_(C-STRM)      CONDUIT           27.5    0.1489
0.0130
  C-STRM-60_(C-STRM) 644_(C-STRM)      643_(C-STRM)      CONDUIT           67.2    0.2486
0.0130
  C-STRM-62_(C-STRM) 520_(C-STRM)      519_(C-STRM)      CONDUIT           95.9    0.2003
0.0130
  C-STRM-63_(C-STRM) 519_(C-STRM)      518_(C-STRM)      CONDUIT           97.4    0.1498
0.0130
  C-STRM-64_(C-STRM) 522_(C-STRM)      EXD_1             CONDUIT           81.9    0.2504
0.0130
  C-STRM-76_(C-STRM) 525_(C-STRM)      MTD_(C-STRM)      CONDUIT           72.6    0.1998
0.0130
  C-STRM-77_(C-STRM) MTD_(C-STRM)      OVERFLOW_(C-STRM) CONDUIT           38.5    0.4986
0.0130
  C-STRM-78_(C-STRM) 502_(C-STRM)      MTD_(C-STRM)      CONDUIT           44.0    0.3003
0.0130
  C-STRM-79_(1)_(C-STRM) 604_(C-STRM)      603_(C-STRM)      CONDUIT           72.0    0.1000
0.0130
  C-STRM-79_(C-STRM) 605_(C-STRM)      604_(C-STRM)      CONDUIT           89.5    0.1508
0.0130
  C-STRM-8_(1)_(C-STRM) 514_(C-STRM)      513_(C-STRM)      CONDUIT           95.2    0.1997
0.0130
  C-STRM-8_(C-STRM) 515_(C-STRM)      514_(C-STRM)      CONDUIT           95.1    0.1997
0.0130
  C-STRM-80_(C-STRM) 603_(C-STRM)      602_(C-STRM)      CONDUIT           74.3    0.0996
0.0130
  C-STRM-81_(C-STRM) 602_(C-STRM)      601_(C-STRM)      CONDUIT           46.7    0.1007
0.0130
  C-STRM-82_(C-STRM) 601_(C-STRM)      POND_(C-STRM)     CONDUIT           33.0    0.1000
0.0130
  C-STRM-83_(1)_(C-STRM) 630A_(C-STRM)     630_(C-STRM)      CONDUIT           27.1    0.1513
0.0130
  C-STRM-84_(C-STRM) 622_(C-STRM)      619_(C-STRM)      CONDUIT           75.0    0.1493
0.0130
  C-STRM-87_(C-STRM) 645_(C-STRM)      644_(C-STRM)      CONDUIT           68.6    0.2494
0.0130
  CVR-C2             EXD_5             EXD_6             CONDUIT          19.8    0.8875
0.0130
  CVR-C3             EXD_8             EXD_9             CONDUIT          16.4    0.6114
0.0130
  CVR-C4             EXD_10            EXD_11            CONDUIT          25.4    0.6110
0.0130
  ST4-Pipe_-_(99)_(P-Stm) J74              ST4_108A_(P-Stm) CONDUIT           49.3    0.2840
0.0130
  W1                 Filter_Bed        POND_(C-STRM)     CONDUIT           4.9    0.0063
0.0250
  OR1                POND_(C-STRM)     J74               ORIFICE
  OR2                POND_(C-STRM)     J74               ORIFICE
  W10                637_(C-STRM)      J35               WEIR
  W11                633_(C-STRM)      J49               WEIR
  W12                S_652-604         J47               WEIR
  W13                S_545-541         J3                WEIR
  W14                S_540-536         J3                WEIR
  W15                S_536-532         J4                WEIR
  W16                S_532-528         J5                WEIR
  W17                S_528-525         J6                WEIR
  W2                 POND_(C-STRM)     OF1               WEIR
  W3                 S_504-503         J47               WEIR
  W4                 S_627-630         J23               WEIR
  W5                 S_525-MTD         J13               WEIR
  W6                 S_623-622         J31               WEIR
  W7                 S_620-619         J61               WEIR
  W8                 S_607-605         J50               WEIR
  W9                 S_622-619         J31               WEIR
  C-STRM-108_(1)_(C-STRM) 633_(C-STRM)     634_(C-STRM)      OUTLET
  C-STRM-14_(1)_(C-STRM) S_607-605         605_(C-STRM)      OUTLET
  C-STRM-27_(C-STRM) S_623-622         622_(C-STRM)      OUTLET
  C-STRM-42_(C-STRM) S_545-541         541_(C-STRM)      OUTLET
  C-STRM-44_(1)_(C-STRM) S_525-MTD         525_(C-STRM)      OUTLET
  C-STRM-45_(1)_(C-STRM) S_620-619         619_(C-STRM)      OUTLET
  C-STRM-61_(C-STRM) 637_(C-STRM)     643_(C-STRM)      OUTLET
  C-STRM-71_(C-STRM) Industrial_South 647_(C-STRM)      OUTLET
  C-STRM-83_(C-STRM) Industrial_NORTH 630A_(C-STRM)     OUTLET
  C-STRM-93_(C-STRM) S_540-536         540_(C-STRM)      OUTLET
  C-STRM-96_(1)_(C-STRM) S_536-532         536_(C-STRM)      OUTLET
  C-STRM-97_(1)_(C-STRM) S_532-528         532_(C-STRM)      OUTLET
  C-STRM-98_(1)_(C-STRM) S_528-525         528_(C-STRM)      OUTLET
  OL1                S_622-619         622_(C-STRM)      OUTLET
  OL10               FIlter_Bed        POND_(C-STRM)     OUTLET
  OL11               J50               505_(C-STRM)      OUTLET
  OL12               J60               506_(C-STRM)      OUTLET
  OL13               J58               511_(C-STRM)      OUTLET
  OL14               J57               513_(C-STRM)      OUTLET
  OL15               J28               518_(C-STRM)      OUTLET
  OL16               J2                522_(C-STRM)      OUTLET
  OL17               J27               520_(C-STRM)      OUTLET
  OL18               J19               647_(C-STRM)      OUTLET
  OL19               J20               646_(C-STRM)      OUTLET
  OL2                J35               553_(C-STRM)      OUTLET
  OL20               S_504-503         504_(C-STRM)      OUTLET
  OL21               PARK              602_(C-STRM)      OUTLET
  OL22               J21               645_(C-STRM)      OUTLET
  OL3                J38               552_(C-STRM)      OUTLET
  OL4                J42               502_(C-STRM)      OUTLET
  OL5                J43               503_(C-STRM)      OUTLET
  OL6                Woodlot_North     626_(C-STRM)      OUTLET
  OL7                S_627-630         627_(C-STRM)      OUTLET
  OL8                S_652-604         652_(C-STRM)      OUTLET
  OL9                J47               504_(C-STRM)      OUTLET

**********
Cross Section Summary
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                                                  Full      Full      Hyd.      Max.   No. of      Full
Conduit            Shape                         Depth      Area      Rad.     Width  Barrels      Flow
---------------------------------------------------------------------------------------------------------
BDR-C1             CIRCULAR                       0.40      0.13      0.10      0.40       1      0.07
BDR-C2             CIRCULAR                       0.40      0.13      0.10      0.40       1      0.05
BDR-C3             CIRCULAR                       0.50      0.20      0.12      0.50       1      0.20
BDR-C4             CIRCULAR                       1.20      1.13      0.30      1.20       1      3.04
C1                 ROW_26m                        0.30      3.49      0.14     26.00       1      2.36
C1_1               ROW_26m                        0.30      3.49      0.14     26.00       1      2.51
C1_11              ROW_24m                        0.32      3.34      0.14     24.00       1      9.04
C1_2               ROW_26m                        0.30      3.49      0.14     26.00       1      4.36
C1_3               ROW_24m                        0.32      3.34      0.14     24.00       1      2.93
C1_4               ROW_24m                        0.32      3.34      0.14     24.00       1      4.18
C1_5               ROW_24m                        0.32      3.34      0.14     24.00       1      5.05
C1_6               ROW_24m                        0.32      3.34      0.14     24.00       1      4.19
C1_7               ROW_24m                        0.32      3.34      0.14     24.00       1      5.93
C1_8               ROW_24m                        0.32      3.34      0.14     24.00       1      4.10
C1_9               ROW_24m                        0.32      3.34      0.14     24.00       1      7.28
C2                 ROW_26m                        0.30      3.49      0.14     26.00       1     10.08
C2_1               ROW_18m                        0.25      2.05      0.13     18.00       1      5.63
C2_10              ROW_20m                        0.27      2.37      0.13     20.00       1      3.98
C2_11              ROW_20m                        0.27      2.37      0.13     20.00       1      2.70
C2_12              ROW_20m                        0.27      2.37      0.13     20.00       1      1.59
C2_13              ROW_20m                        0.27      2.37      0.13     20.00       1      1.99
C2_14              ROW_20m                        0.27      2.37      0.13     20.00       1      2.82
C2_15              ROW_20m                        0.27      2.37      0.13     20.00       1      2.81
C2_16              ROW_20m                        0.27      2.37      0.13     20.00       1      4.71
C2_18              ROW_24m                        0.32      3.34      0.14     24.00       1      2.64
C2_2               ROW_18m                        0.25      2.05      0.13     18.00       1      3.33
C2_3               ROW_18m                        0.25      2.05      0.13     18.00       1      4.49
C2_4               ROW_18m                        0.25      2.05      0.13     18.00       1      3.40
C2_5               ROW_18m                        0.25      2.05      0.13     18.00       1      1.43
C2_7               ROW_18m                        0.25      2.05      0.13     18.00       1      3.46
C2_8               ROW_20m                        0.27      2.37      0.13     20.00       1      2.88
C2_9               ROW_24m                        0.32      3.34      0.14     24.00       1      5.13
C3                 RECT_OPEN                      0.50      3.10      0.43      6.19       1      5.04
C3_2               ROW_18m                        0.25      2.05      0.13     18.00       1      1.51
C3_6               ROW_18m                        0.25      2.05      0.13     18.00       1      1.48
C3_7               ROW_18m                        0.25      2.05      0.13     18.00       1      1.72
C4                 RECT_OPEN                      0.50      3.10      0.43      6.19       1      6.09
C4_5               ROW_18m                        0.25      2.05      0.13     18.00       1      1.45
C4_6               ROW_18m                        0.25      2.05      0.13     18.00       1      6.03
C4_7               ROW_18m                        0.25      2.05      0.13     18.00       1      1.61
C5                 RECT_OPEN                      0.50      3.10      0.43      6.19       1      5.19
C5_1               Upstream1                      1.04      5.92      0.43     13.00       1      4.37
C5_10              Barnsdale_UPST1                0.80      3.11      0.29     10.00       1      3.43
C5_11              Barnsdale_UPST3                0.84      3.40      0.32     10.00       1      2.77
C5_12              Upstream6                      1.06      6.96      0.40     17.00       1     11.86
C5_13              Barnsdale_UPST2                0.77      3.01      0.30      9.50       1      3.74
C5_14              Barnsdale_UPST4                0.88      3.22      0.34      8.50       1      1.49
C5_15              Barnsdale_UPST5                0.80      3.10      0.32      9.00       1      3.61
C5_16              Barnsdale_UPST6                1.14      6.38      0.46     13.00       1      4.25
C5_17              Barnsdale_UPST7                1.13      7.59      0.53     13.50       1     10.23
C5_18              ROW_18m                        0.25      2.05      0.13     18.00       1      2.65
C5_19              Barnsdale_UPST4                0.88      3.22      0.34      8.50       1      1.50
C5_2               Upstream3                      1.07      5.77      0.42     13.00       1      6.98
C5_20              Barnsdale_UPST7                1.13      7.59      0.53     13.50       1     10.24
C5_21              Barnsdale_UPST1                0.80      3.11      0.29     10.00       1      6.89
C5_23              Upstream1                      1.04      5.92      0.43     13.00       1      4.86
C5_24              ROW_18m                        0.25      2.05      0.13     18.00       1      2.70
C5_25              ROW_18m                        0.25      2.05      0.13     18.00       1      3.91
C5_3               Upstream2                      1.10      6.55      0.44     14.00       1     13.83
C5_4               Upstream4                      1.20      7.30      0.50     13.50       1     17.41
C5_5               Upstream5                      1.06      6.46      0.42     15.00       1     12.79
C5_6               Upstream4                      1.20      7.30      0.50     13.50       1     17.40
C5_7               Upstream6                      1.06      6.96      0.40     17.00       1     11.85
C5_8               Upstream6                      1.06      6.96      0.40     17.00       1     11.85
C5_9               Upstream6                      1.06      6.96      0.40     17.00       1     11.85
C6                 RECT_OPEN                      0.50      3.10      0.43      6.19       1      5.08
C7                 RECT_OPEN                      0.50      3.10      0.43      6.19       1      7.61
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR                0.68      0.36      0.17      0.68       1
0.38
  C-STRM-1_(1)_(C-STRM) CIRCULAR                  0.68      0.36      0.17      0.68       1      0.33
  C-STRM-1_(C-STRM) CIRCULAR                      0.60      0.28      0.15      0.60       1      0.24
  C-STRM-100_(C-STRM) CIRCULAR                    0.60      0.28      0.15      0.60       1      0.43
  C-STRM-101_(C-STRM) CIRCULAR                    0.60      0.28      0.15      0.60       1      0.44
  C-STRM-102_(C-STRM) CIRCULAR                    1.05      0.87      0.26      1.05       1      1.93
  C-STRM-105_(C-STRM) CIRCULAR                    0.90      0.64      0.23      0.90       1      0.70
  C-STRM-106_(C-STRM) CIRCULAR                    0.75      0.44      0.19      0.75       1      0.43
  C-STRM-107_(1)_(C-STRM) CIRCULAR                1.65      2.14      0.41      1.65       1
3.53
  C-STRM-107_(C-STRM) CIRCULAR                    1.65      2.14      0.41      1.65       1      3.53
  C-STRM-2_(1)_(C-STRM) CIRCULAR                  0.68      0.36      0.17      0.68       1      0.56
  C-STRM-2_(C-STRM) CIRCULAR                      0.68      0.36      0.17      0.68       1      0.56
  C-STRM-20_(C-STRM) CIRCULAR                     0.45      0.16      0.11      0.45       1      0.29
  C-STRM-21_(C-STRM) CIRCULAR                     0.53      0.22      0.13      0.53       1      0.30
  C-STRM-22_(1)_(C-STRM) CIRCULAR                 1.50      1.77      0.38      1.50       1
2.74
  C-STRM-22_(C-STRM) CIRCULAR                     1.50      1.77      0.38      1.50       1      2.74
  C-STRM-23_(C-STRM) CIRCULAR                     0.82      0.53      0.21      0.82       1      0.56
  C-STRM-26_(1)_(C-STRM) CIRCULAR                 0.68      0.36      0.17      0.68       1
0.34
  C-STRM-26_(C-STRM) CIRCULAR                     0.68      0.36      0.17      0.68       1      0.34
  C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR  0.75      0.44      0.19      0.75
1     0.79
  C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR      0.68      0.36      0.17      0.68
1     0.59
  C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR          0.68      0.36      0.17      0.68       1
0.60
  C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR              0.68      0.36      0.17      0.68       1
0.59
  C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR              0.68      0.36      0.17      0.68       1
0.56
  C-STRM-3_(1)_(C-STRM) CIRCULAR                  0.68      0.36      0.17      0.68       1      0.56
  C-STRM-33_(1)_(C-STRM) CIRCULAR                 0.90      0.64      0.23      0.90       1
0.70
  C-STRM-33_(C-STRM) CIRCULAR                     0.90      0.64      0.23      0.90       1      0.70
  C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR             0.53      0.22      0.13      0.53       1
0.17
  C-STRM-34_(1)_(C-STRM) CIRCULAR                 0.53      0.22      0.13      0.53       1
0.17
  C-STRM-35_(1)_(C-STRM) CIRCULAR                 0.60      0.28      0.15      0.60       1
0.25
  C-STRM-35_(C-STRM) CIRCULAR                     0.60      0.28      0.15      0.60       1      0.25
  C-STRM-4_(1)_(C-STRM) CIRCULAR                  0.75      0.44      0.19      0.75       1      0.86
  C-STRM-4_(C-STRM) CIRCULAR                      0.75      0.44      0.19      0.75       1      0.79
  C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR             1.65      2.14      0.41      1.65       1
3.53
  C-STRM-46_(1)_(C-STRM) CIRCULAR                 1.65      2.14      0.41      1.65       1
3.54
  C-STRM-49_(C-STRM) CIRCULAR                     0.82      0.53      0.21      0.82       1      0.56
  C-STRM-50_(C-STRM) CIRCULAR                     0.82      0.53      0.21      0.82       1      0.56
  C-STRM-51_(C-STRM) CIRCULAR                     0.90      0.64      0.23      0.90       1      0.70
  C-STRM-52_(C-STRM) CIRCULAR                     0.97      0.75      0.24      0.97       1      0.87
  C-STRM-53_(C-STRM) CIRCULAR                     0.97      0.75      0.24      0.97       1      0.87
  C-STRM-57_(C-STRM) CIRCULAR                     0.97      0.75      0.24      0.97       1      0.86
  C-STRM-60_(C-STRM) CIRCULAR                     0.45      0.16      0.11      0.45       1      0.14
  C-STRM-62_(C-STRM) CIRCULAR                     0.45      0.16      0.11      0.45       1      0.13
  C-STRM-63_(C-STRM) CIRCULAR                     0.53      0.22      0.13      0.53       1      0.17
  C-STRM-64_(C-STRM) CIRCULAR                     0.38      0.11      0.09      0.38       1      0.09
  C-STRM-76_(C-STRM) CIRCULAR                     0.97      0.75      0.24      0.97       1      1.00
  C-STRM-77_(C-STRM) CIRCULAR                     1.05      0.87      0.26      1.05       1      1.93
  C-STRM-78_(C-STRM) CIRCULAR                     0.97      0.75      0.24      0.97       1      1.23
  C-STRM-79_(1)_(C-STRM) CIRCULAR                 1.80      2.54      0.45      1.80       1
3.63
  C-STRM-79_(C-STRM) CIRCULAR                     0.90      0.64      0.23      0.90       1      0.70
  C-STRM-8_(1)_(C-STRM) CIRCULAR                  0.53      0.22      0.13      0.53       1      0.19
  C-STRM-8_(C-STRM) CIRCULAR                      0.45      0.16      0.11      0.45       1      0.13
  C-STRM-80_(C-STRM) CIRCULAR                     1.80      2.54      0.45      1.80       1      3.63
  C-STRM-81_(C-STRM) CIRCULAR                     1.80      2.54      0.45      1.80       1      3.65
  C-STRM-82_(C-STRM) CIRCULAR                     1.80      2.54      0.45      1.80       1      3.64
```

C-STRM-83_(1)_(C-STRM)	CIRCULAR		1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.52	
C-STRM-87_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09	
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27	
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16	
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05	
ST4-Pipe_-_(99)_(P-Stm)	CIRCULAR		0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54	

****
Transect Summary
****

Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2287	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4598	0.4796	0.4996
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4415	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5196	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1134	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912
0.3975	0.4038	0.4101	0.4147	0.4188
0.4228	0.4269	0.4309	0.4350	0.4390
0.4430	0.4471	0.4511	0.4552	0.4592
0.4633	0.4673	0.4719	0.4786	0.4852
0.4919	0.4986	0.5052	0.5119	0.5186
0.5252	0.5375	0.5591	0.5808	0.6126
0.6529	0.7560	0.7953	0.8372	1.0000

Transect Barnsdale_UPST5
Area:

0.0011	0.0046	0.0104	0.0185	0.0278
0.0383	0.0495	0.0612	0.0736	0.0865
0.1000	0.1141	0.1288	0.1443	0.1606
0.1778	0.1959	0.2143	0.2330	0.2518
0.2709	0.2903	0.3099	0.3296	0.3497
0.3699	0.3904	0.4111	0.4319	0.4530
0.4743	0.4958	0.5175	0.5395	0.5616
0.5839	0.6064	0.6292	0.6521	0.6753
0.6991	0.7235	0.7484	0.7740	0.8019
0.8364	0.8742	0.9142	0.9560	1.0000

Hrad:

0.0248	0.0493	0.0735	0.1040	0.1389
0.1735	0.2124	0.2498	0.2859	0.3209
0.3550	0.3881	0.4187	0.4434	0.4680
0.4924	0.5212	0.5606	0.5992	0.6372
0.6745	0.7111	0.7472	0.7827	0.8176
0.8520	0.8860	0.9202	0.9539	0.9872
1.0201	1.0525	1.0845	1.1162	1.1474
1.1784	1.2090	1.2392	1.2691	1.2876
1.2994	1.3117	1.3244	1.3163	1.1702
1.0461	1.0307	1.0260	1.0309	1.0000

Width:

0.0497	0.0999	0.1518	0.1903	0.2141
0.2355	0.2481	0.2607	0.2733	0.2859
0.2985	0.3111	0.3252	0.3438	0.3625
0.3813	0.3961	0.4010	0.4059	0.4108
0.4157	0.4206	0.4255	0.4303	0.4352
0.4401	0.4450	0.4494	0.4538	0.4583
0.4627	0.4672	0.4716	0.4761	0.4805
0.4850	0.4894	0.4938	0.4983	0.5078
0.5204	0.5330	0.5457	0.5684	0.6711
0.7919	0.8423	0.8866	0.9238	1.0000

Transect Barnsdale_UPST6
Area:

0.0014	0.0054	0.0102	0.0156	0.0217
0.0284	0.0356	0.0434	0.0517	0.0605
0.0698	0.0796	0.0899	0.1007	0.1121
0.1243	0.1373	0.1512	0.1656	0.1807
0.1962	0.2123	0.2291	0.2483	0.2703
0.2945	0.3189	0.3434	0.3680	0.3929
0.4178	0.4430	0.4687	0.4947	0.5212
0.5482	0.5760	0.6046	0.6335	0.6626
0.6921	0.7218	0.7518	0.7820	0.8133
0.8461	0.8801	0.9163	0.9564	1.0000

Hrad:

0.0226	0.0600	0.0982	0.1332	0.1659
0.1974	0.2291	0.2613	0.2925	0.3228
0.3524	0.3813	0.4096	0.4373	0.4557
0.4729	0.4908	0.5133	0.5388	0.5667
0.5954	0.6238	0.6186	0.5790	0.5404
0.5828	0.6246	0.6659	0.7067	0.7469
0.7867	0.8189	0.8502	0.8811	0.9116
0.9331	0.9497	0.9763	1.0109	1.0452
1.0791	1.1126	1.1458	1.1787	1.1574
1.1642	1.1570	1.1256	1.0602	1.0000

Width:

0.0656	0.0958	0.1094	0.1231	0.1368
0.1501	0.1622	0.1729	0.1837	0.1944
0.2052	0.2159	0.2267	0.2377	0.2539
0.2715	0.2891	0.3043	0.3175	0.3291
0.3399	0.3507	0.3819	0.4435	0.5186
0.5219	0.5251	0.5284	0.5317	0.5350
0.5382	0.5468	0.5558	0.5647	0.5737
0.5886	0.6068	0.6185	0.6243	0.6301
0.6359	0.6417	0.6475	0.6534	0.6932
0.7170	0.7512	0.8061	0.8978	1.0000

Transect Barnsdale_UPST7
Area:

0.0031	0.0077	0.0135	0.0206	0.0292
0.0385	0.0485	0.0590	0.0699	0.0811
0.0928	0.1047	0.1170	0.1297	0.1427
0.1561	0.1700	0.1843	0.1992	0.2145
0.2304	0.2467	0.2636	0.2810	0.3005
0.3224	0.3464	0.3708	0.3955	0.4204
0.4456	0.4710	0.4972	0.5239	0.5510
0.5784	0.6060	0.6340	0.6622	0.6907
0.7195	0.7487	0.7782	0.8081	0.8383
0.8691	0.9003	0.9322	0.9647	1.0000

Hrad:

0.0323	0.0624	0.0905	0.1084	0.1375
0.1686	0.1997	0.2314	0.2650	0.2977
0.3296	0.3608	0.3913	0.4212	0.4493
0.4751	0.5005	0.5247	0.5476	0.5703
0.5929	0.6154	0.6378	0.6601	0.5891
0.5938	0.5928	0.6266	0.6599	0.6927
0.7252	0.7501	0.7705	0.7948	0.8255
0.8559	0.8860	0.9157	0.9452	0.9727
1.0000	1.0270	1.0538	1.0784	1.1003
1.1221	1.1420	1.1557	1.1624	1.0000

Width:

0.0999	0.1304	0.1570	0.1994	0.2229
0.2396	0.2541	0.2664	0.2751	0.2837
0.2923	0.3010	0.3096	0.3183	0.3279
0.3390	0.3501	0.3618	0.3745	0.3872
0.3998	0.4124	0.4251	0.4377	0.5266
0.5610	0.6032	0.6092	0.6153	0.6213
0.6274	0.6399	0.6563	0.6692	0.6761
0.6830	0.6899	0.6967	0.7036	0.7118
0.7199	0.7281	0.7362	0.7458	0.7573
0.7688	0.7817	0.7991	0.8220	1.0000

Transect GBR
Area:

0.0002	0.0008	0.0018	0.0032	0.0051
0.0073	0.0099	0.0130	0.0164	0.0203
0.0245	0.0292	0.0343	0.0401	0.0532
0.0756	0.1002	0.1249	0.1496	0.1742
0.1989	0.2235	0.2482	0.2729	0.2975
0.3222	0.3468	0.3715	0.3962	0.4209
0.4460	0.4715	0.4974	0.5237	0.5505
0.5776	0.6051	0.6331	0.6614	0.6902
0.7193	0.7489	0.7789	0.8092	0.8400
0.8712	0.9028	0.9348	0.9672	1.0000

Hrad:

0.0148	0.0296	0.0444	0.0592	0.0741
0.0889	0.1037	0.1185	0.1333	0.1481
0.1629	0.1777	0.1925	0.1451	0.0889
0.0921	0.1222	0.1522	0.1821	0.2121
0.2420	0.2720	0.3019	0.3318	0.3616
0.3915	0.4213	0.4511	0.4809	0.5106
0.5398	0.5684	0.5963	0.6237	0.6505
0.6768	0.7026	0.7280	0.7529	0.7773
0.8013	0.8249	0.8480	0.8708	0.8932
0.9153	0.9369	0.9583	0.9793	1.0000

Width:

0.0123	0.0246	0.0369	0.0492	0.0614
0.0737	0.0860	0.0983	0.1106	0.1229
0.1352	0.1475	0.1598	0.2496	0.5446
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7542
0.7665	0.7788	0.7911	0.8034	0.8157
0.8280	0.8402	0.8525	0.8648	0.8771
0.8894	0.9017	0.9140	0.9263	0.9386
0.9508	0.9631	0.9754	0.9877	1.0000

Transect Pond_SpillWay
Area:

0.0040 0.0088 0.0142 0.0204 0.0274
0.0350 0.0434 0.0524 0.0622 0.0728
0.0840 0.0960 0.1087 0.1221 0.1362
0.1511 0.1666 0.1829 0.2000 0.2177
0.2362 0.2554 0.2753 0.2959 0.3173
0.3393 0.3621 0.3856 0.4099 0.4348
0.4600 0.4855 0.5113 0.5375 0.5640
0.5908 0.6180 0.6454 0.6732 0.7013
0.7297 0.7585 0.7875 0.8169 0.8466
0.8767 0.9070 0.9377 0.9687 1.0000

Hrad:

0.0187 0.0367 0.0543 0.0716 0.0888
0.1059 0.1230 0.1400 0.1570 0.1740
0.1910 0.2080 0.2251 0.2421 0.2592
0.2763 0.2935 0.3106 0.3278 0.3450
0.3622 0.3795 0.3967 0.4140 0.4313
0.4486 0.4660 0.4833 0.5007 0.5241
0.5500 0.5758 0.6013 0.6266 0.6517
0.6766 0.7013 0.7257 0.7498 0.7737
0.7974 0.8209 0.8441 0.8670 0.8898
0.9123 0.9345 0.9566 0.9784 1.0000

Width:

0.1394 0.1623 0.1853 0.2082 0.2311
0.2541 0.2770 0.2999 0.3229 0.3458
0.3687 0.3917 0.4146 0.4375 0.4605
0.4834 0.5063 0.5293 0.5522 0.5751
0.5981 0.6210 0.6439 0.6669 0.6898
0.7127 0.7357 0.7586 0.7815 0.7956
0.8059 0.8161 0.8263 0.8365 0.8467
0.8569 0.8672 0.8774 0.8876 0.8978
0.9080 0.9183 0.9285 0.9387 0.9489
0.9591 0.9693 0.9796 0.9898 1.0000

Transect ROW_14m

Area:

0.0004 0.0017 0.0038 0.0067 0.0104
0.0150 0.0204 0.0267 0.0338 0.0417
0.0504 0.0600 0.0704 0.0817 0.0938
0.1067 0.1204 0.1350 0.1504 0.1667
0.1838 0.2017 0.2204 0.2400 0.2605
0.2817 0.3038 0.3267 0.3502 0.3738
0.3973 0.4209 0.4446 0.4692 0.4952
0.5225 0.5510 0.5808 0.6118 0.6439
0.6767 0.7100 0.7440 0.7787 0.8140
0.8499 0.8865 0.9237 0.9615 1.0000

Hrad:

0.0169 0.0338 0.0507 0.0677 0.0846
0.1015 0.1184 0.1353 0.1522 0.1692
0.1861 0.2030 0.2199 0.2368 0.2537
0.2707 0.2876 0.3045 0.3214 0.3383
0.3552 0.3722 0.3891 0.4060 0.4229
0.4398 0.4567 0.4736 0.5027 0.5359
0.5691 0.6022 0.6353 0.6667 0.6957
0.7226 0.7474 0.7704 0.7918 0.8123
0.8326 0.8526 0.8721 0.8914 0.9103
0.9289 0.9471 0.9651 0.9827 1.0000

Width:

0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6200 0.6529 0.6857
0.7186 0.7514 0.7843 0.8171 0.8357
0.8521 0.8686 0.8850 0.9014 0.9179
0.9343 0.9507 0.9671 0.9836 1.0000

Transect ROW_14m_Mountable

Area:

0.0003 0.0012 0.0028 0.0049 0.0077
0.0111 0.0151 0.0197 0.0249 0.0307
0.0372 0.0442 0.0519 0.0602 0.0691
0.0787 0.0888 0.0996 0.1109 0.1229
0.1355 0.1487 0.1625 0.1770 0.1923
0.2092 0.2277 0.2477 0.2693 0.2924
0.3170 0.3433 0.3711 0.4004 0.4310
0.4626 0.4954 0.5293 0.5642 0.6002
0.6373 0.6755 0.7144 0.7538 0.7936
0.8340 0.8748 0.9160 0.9578 1.0000

Hrad:

0.0222 0.0445 0.0667 0.0889 0.1111
0.1334 0.1556 0.1778 0.2001 0.2223
0.2445 0.2667 0.2890 0.3112 0.3334
0.3556 0.3779 0.4001 0.4223 0.4446
0.4668 0.4890 0.5112 0.5335 0.5550
0.5733 0.5891 0.6029 0.6151 0.6263
0.6367 0.6465 0.6559 0.6653 0.6759
0.6872 0.6992 0.7116 0.7245 0.7378
0.7514 0.7663 0.7966 0.8266 0.8563
0.8856 0.9147 0.9434 0.9719 1.0000

Width:

0.0145 0.0290 0.0434 0.0579 0.0724
0.0869 0.1013 0.1158 0.1303 0.1448
0.1593 0.1737 0.1882 0.2027 0.2172
0.2316 0.2461 0.2606 0.2751 0.2896
0.3040 0.3185 0.3330 0.3475 0.3798
0.4164 0.4430 0.4897 0.5263 0.5629
0.5995 0.6362 0.6728 0.7080 0.7335
0.7591 0.7846 0.8102 0.8357 0.8613
0.8868 0.9114 0.9225 0.9336 0.9446
0.9557 0.9668 0.9779 0.9889 1.0000

Transect ROW_14m_PH3

Area:

0.0004 0.0017 0.0038 0.0068 0.0107
0.0153 0.0209 0.0273 0.0345 0.0426
0.0516 0.0614 0.0721 0.0836 0.0959
0.1091 0.1232 0.1381 0.1539 0.1705
0.1880 0.2064 0.2255 0.2456 0.2665
0.2882 0.3108 0.3343 0.3583 0.3824
0.4065 0.4306 0.4548 0.4797 0.5055
0.5322 0.5598 0.5883 0.6176 0.6479
0.6791 0.7112 0.7441 0.7780 0.8127
0.8484 0.8850 0.9224 0.9608 1.0000

Hrad:

0.0166 0.0332 0.0498 0.0664 0.0830
0.0997 0.1163 0.1329 0.1495 0.1661
0.1827 0.1993 0.2159 0.2325 0.2491
0.2657 0.2823 0.2990 0.3156 0.3322
0.3488 0.3654 0.3820 0.3986 0.4152
0.4318 0.4484 0.4650 0.4935 0.5262
0.5588 0.5913 0.6238 0.6553 0.6853
0.7137 0.7407 0.7664 0.7909 0.8143
0.8366 0.8579 0.8783 0.8979 0.9166
0.9346 0.9519 0.9685 0.9845 1.0000

Width:

0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6160 0.6386 0.6612 0.6612
0.6838 0.7063 0.7289 0.7515 0.7741
0.7967 0.8193 0.8419 0.8645 0.8871
0.9096 0.9322 0.9548 0.9774 1.0000

Transect ROW_14m-MB_1

Area:

0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0407 0.0484 0.0568 0.0659 0.0757
0.0861 0.0972 0.1089 0.1214 0.1345
0.1483 0.1631 0.1791 0.1963 0.2146
0.2342 0.2549 0.2768 0.2999 0.3242
0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274
0.6618 0.6967 0.7326 0.7693 0.8064
0.8441 0.8823 0.9210 0.9603 1.0000

Hrad:

0.0198 0.0396 0.0594 0.0792 0.0990
0.1188 0.1386 0.1584 0.1782 0.1980
0.2178 0.2376 0.2574 0.2772 0.2971
0.3169 0.3367 0.3565 0.3763 0.3961
0.4159 0.4347 0.4520 0.4681 0.4834
0.4979 0.5119 0.5256 0.5389 0.5521
0.5650 0.5779 0.5907 0.6035 0.6162
0.6289 0.6560 0.6844 0.7123 0.7397
0.7667 0.7933 0.8190 0.8459 0.8726
0.8988 0.9247 0.9501 0.9752 1.0000

Width:

0.0168 0.0336 0.0504 0.0673 0.0841
0.1009 0.1177 0.1345 0.1513 0.1681
0.1849 0.2018 0.2186 0.2354 0.2522
0.2690 0.2858 0.3026 0.3195 0.3363
0.3552 0.3849 0.4146 0.4442 0.4739
0.5036 0.5332 0.5629 0.5926 0.6223
0.6519 0.6816 0.7113 0.7409 0.7706
0.8003 0.8150 0.8279 0.8407 0.8536
0.8664 0.8836 0.9093 0.9229 0.9357
0.9486 0.9614 0.9743 0.9871 1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003 0.0012 0.0027 0.0048 0.0074
0.0107 0.0145 0.0190 0.0240 0.0297
0.0359 0.0428 0.0502 0.0582 0.0668
0.0760 0.0858 0.0962 0.1072 0.1188
0.1309 0.1437 0.1571 0.1710 0.1856
0.2212 0.2183 0.2369 0.2570 0.2786
0.3017 0.3263 0.3524 0.3800 0.4091
0.4397 0.4719 0.5055 0.5406 0.5772
0.6153 0.6544 0.6944 0.7354 0.7772
0.8199 0.8636 0.9082 0.9536 1.0000

Hrad:

0.0233 0.0465 0.0698 0.0931 0.1163
0.1396 0.1628 0.1861 0.2094 0.2326
0.2559 0.2792 0.3024 0.3257 0.3489
0.3722 0.3955 0.4187 0.4420 0.4653
0.4885 0.5118 0.5350 0.5583 0.5816
0.6036 0.6224 0.6386 0.6529 0.6657
0.6773 0.6882 0.6985 0.7084 0.7180
0.7275 0.7370 0.7464 0.7559 0.7655
0.7817 0.8084 0.8343 0.8597 0.8844
0.9085 0.9321 0.9552 0.9779 1.0000

Width:

0.0127 0.0254 0.0380 0.0507 0.0634
0.0761 0.0888 0.1014 0.1141 0.1268
0.1395 0.1522 0.1648 0.1775 0.1902
0.2029 0.2156 0.2283 0.2409 0.2536
0.2663 0.2790 0.2917 0.3043 0.3170
0.3491 0.3812 0.4132 0.4453 0.4774
0.5095 0.5415 0.5736 0.6057 0.6378
0.6698 0.7019 0.7340 0.7661 0.7981
0.8255 0.8448 0.8642 0.8836 0.9030
0.9224 0.9418 0.9612 0.9806 1.0000

Transect ROW_16.5m_PH3

Area:

0.0004 0.0017 0.0039 0.0069 0.0107
0.0154 0.0210 0.0275 0.0347 0.0429
0.0519 0.0618 0.0725 0.0841 0.0965
0.1098 0.1240 0.1390 0.1548 0.1716
0.1892 0.2076 0.2269 0.2471 0.2677
0.2884 0.3090 0.3297 0.3510 0.3731
0.3962 0.4201 0.4449 0.4705 0.4971
0.5245 0.5527 0.5819 0.6119 0.6428
0.6746 0.7073 0.7408 0.7752 0.8105
0.8466 0.8837 0.9216 0.9603 1.0000

Hrad:

0.0173 0.0347 0.0520 0.0694 0.0867
0.1041 0.1214 0.1388 0.1561 0.1735
0.1908 0.2082 0.2255 0.2429 0.2602
0.2776 0.2949 0.3123 0.3296 0.3470
0.3643 0.3817 0.3990 0.4164 0.4493
0.4834 0.5173 0.5513 0.5844 0.6155
0.6449 0.6727 0.6990 0.7239 0.7475
0.7699 0.7913 0.8116 0.8310 0.8496
0.8673 0.8843 0.9007 0.9164 0.9316
0.9462 0.9603 0.9739 0.9872 1.0000

Width:

0.0214 0.0428 0.0642 0.0856 0.1070
0.1284 0.1498 0.1712 0.1926 0.2140
0.2354 0.2568 0.2782 0.2996 0.3210
0.3424 0.3638 0.3852 0.4066 0.4280
0.4494 0.4708 0.4922 0.5136 0.5152
0.5152 0.5152 0.5200 0.5418 0.5636
0.5855 0.6073 0.6291 0.6509 0.6727
0.6945 0.7164 0.7382 0.7600 0.7818
0.8036 0.8255 0.8473 0.8691 0.8909
0.9127 0.9345 0.9564 0.9782 1.0000

Transect ROW_18m

Area:

0.0004 0.0016 0.0036 0.0064 0.0100
0.0144 0.0196 0.0255 0.0323 0.0399
0.0483 0.0575 0.0675 0.0782 0.0898
0.1022 0.1154 0.1293 0.1441 0.1597
0.1760 0.1932 0.2112 0.2299 0.2495
0.2698 0.2906 0.3114 0.3321 0.3529
0.3742 0.3967 0.4204 0.4452 0.4712
0.4983 0.5266 0.5560 0.5867 0.6184
0.6514 0.6855 0.7207 0.7571 0.7947
0.8335 0.8734 0.9144 0.9566 1.0000

Hrad:

0.0183 0.0366 0.0549 0.0732 0.0915
0.1098 0.1281 0.1464 0.1647 0.1829
0.2012 0.2195 0.2378 0.2561 0.2744
0.2927 0.3110 0.3293 0.3476 0.3659
0.3842 0.4025 0.4208 0.4391 0.4574
0.4757 0.5117 0.5476 0.5834 0.6192
0.6542 0.6864 0.7162 0.7437 0.7692
0.7927 0.8145 0.8348 0.8537 0.8713
0.8877 0.9031 0.9176 0.9313 0.9442
0.9565 0.9681 0.9792 0.9898 1.0000

Width:

0.0182 0.0363 0.0545 0.0726 0.0908
0.1090 0.1271 0.1453 0.1635 0.1816
0.1998 0.2179 0.2361 0.2543 0.2724
0.2906 0.3088 0.3269 0.3451 0.3632
0.3814 0.3996 0.4177 0.4359 0.4541
0.4722 0.4722 0.4722 0.4722 0.4722
0.4986 0.5250 0.5514 0.5778 0.6042
0.6306 0.6569 0.6833 0.7097 0.7361
0.7625 0.7889 0.8153 0.8417 0.8681
0.8944 0.9208 0.9472 0.9736 1.0000

Transect ROW_18m_MB_1

Area:

0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0407 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:

0.0198 0.0396 0.0594 0.0793 0.0991
0.1189 0.1387 0.1585 0.1783 0.1982
0.2180 0.2378 0.2576 0.2774 0.2972
0.3166 0.3340 0.3498 0.3646 0.3786
0.3921 0.4053 0.4183 0.4311 0.4439
0.4566 0.4770 0.5054 0.5332 0.5603
0.5869 0.6122 0.6360 0.6586 0.6807

0.7040	0.7271	0.7499	0.7723	0.7944
0.8163	0.8378	0.8591	0.8800	0.9007
0.9211	0.9412	0.9611	0.9807	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_MB_2

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0395	0.0593	0.0791	0.0989
0.1186	0.1384	0.1582	0.1780	0.1977
0.2175	0.2373	0.2571	0.2768	0.2966
0.3160	0.3333	0.3491	0.3638	0.3778
0.3913	0.4045	0.4174	0.4302	0.4430
0.4557	0.4760	0.5044	0.5321	0.5592
0.5857	0.6109	0.6347	0.6572	0.6793
0.7027	0.7258	0.7486	0.7711	0.7933
0.8152	0.8368	0.8581	0.8792	0.9000
0.9205	0.9408	0.9608	0.9805	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_Mountable

Area:

0.0003	0.0011	0.0026	0.0046	0.0072
0.0103	0.0140	0.0183	0.0232	0.0286
0.0346	0.0412	0.0484	0.0561	0.0644
0.0733	0.0827	0.0928	0.1034	0.1145
0.1263	0.1386	0.1515	0.1650	0.1799
0.1964	0.2143	0.2337	0.2546	0.2770
0.3009	0.3263	0.3532	0.3816	0.4115
0.4429	0.4758	0.5102	0.5459	0.5826
0.6202	0.6587	0.6981	0.7385	0.7797
0.8219	0.8651	0.9091	0.9541	1.0000

Hrad:

0.0235	0.0471	0.0706	0.0942	0.1177
0.1413	0.1648	0.1884	0.2119	0.2355
0.2590	0.2826	0.3061	0.3297	0.3532
0.3768	0.4003	0.4238	0.4474	0.4709
0.4945	0.5180	0.5416	0.5650	0.5852
0.6022	0.6168	0.6296	0.6410	0.6515
0.6613	0.6707	0.6799	0.6889	0.6979
0.7069	0.7161	0.7253	0.7478	0.7737
0.7989	0.8234	0.8474	0.8707	0.8935
0.9157	0.9375	0.9588	0.9796	1.0000

Width:

0.0124	0.0247	0.0371	0.0494	0.0618
0.0741	0.0865	0.0988	0.1112	0.1235
0.1359	0.1482	0.1606	0.1729	0.1853
0.1976	0.2100	0.2223	0.2347	0.2470
0.2594	0.2717	0.2841	0.3058	0.3381
0.3704	0.4027	0.4349	0.4672	0.4995
0.5318	0.5641	0.5964	0.6287	0.6610
0.6933	0.7255	0.7578	0.7807	0.8006
0.8206	0.8405	0.8604	0.8804	0.9003
0.9202	0.9402	0.9601	0.9801	1.0000

Transect ROW_18m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0154	0.0209	0.0273	0.0346	0.0427
0.0516	0.0614	0.0721	0.0836	0.0960
0.1092	0.1233	0.1382	0.1540	0.1707
0.1882	0.2065	0.2256	0.2447	0.2638
0.2830	0.3026	0.3232	0.3447	0.3670
0.3903	0.4144	0.4394	0.4653	0.4921
0.5197	0.5483	0.5777	0.6080	0.6392
0.6713	0.7043	0.7382	0.7729	0.8085
0.8451	0.8825	0.9208	0.9599	1.0000

Hrad:

0.0179	0.0359	0.0538	0.0717	0.0896
0.1076	0.1255	0.1434	0.1613	0.1793
0.1972	0.2151	0.2330	0.2510	0.2689
0.2868	0.3047	0.3227	0.3406	0.3585
0.3764	0.3944	0.4225	0.4577	0.4928
0.5279	0.5621	0.5942	0.6243	0.6525
0.6791	0.7042	0.7279	0.7504	0.7716
0.7918	0.8110	0.8292	0.8467	0.8634
0.8794	0.8948	0.9095	0.9238	0.9375
0.9508	0.9636	0.9761	0.9882	1.0000

Width:

0.0211	0.0421	0.0632	0.0843	0.1053
0.1264	0.1475	0.1685	0.1896	0.2107
0.2318	0.2528	0.2739	0.2950	0.3160
0.3371	0.3582	0.3792	0.4003	0.4214
0.4424	0.4635	0.4722	0.4722	0.4722
0.4752	0.4971	0.5190	0.5408	0.5627
0.5846	0.6064	0.6283	0.6502	0.6720
0.6939	0.7158	0.7376	0.7595	0.7813
0.8032	0.8251	0.8469	0.8688	0.8907
0.9125	0.9344	0.9563	0.9781	1.0000

Transect ROW_20m

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0193	0.0253	0.0320	0.0395
0.0478	0.0568	0.0667	0.0774	0.0888
0.1011	0.1141	0.1279	0.1425	0.1579
0.1741	0.1911	0.2088	0.2274	0.2464
0.2654	0.2844	0.3034	0.3226	0.3431
0.3646	0.3874	0.4114	0.4365	0.4629
0.4904	0.5191	0.5490	0.5801	0.6123
0.6458	0.6804	0.7162	0.7532	0.7914
0.8307	0.8713	0.9130	0.9559	1.0000

Hrad:

0.0190	0.0380	0.0570	0.0760	0.0950
0.1141	0.1331	0.1521	0.1711	0.1901
0.2091	0.2281	0.2471	0.2661	0.2851
0.3041	0.3231	0.3422	0.3612	0.3802
0.3992	0.4182	0.4372	0.4562	0.4926
0.5299	0.5672	0.6043	0.6411	0.6750
0.7060	0.7344	0.7603	0.7841	0.8059
0.8259	0.8444	0.8615	0.8773	0.8920
0.9057	0.9186	0.9307	0.9421	0.9529
0.9632	0.9730	0.9823	0.9913	1.0000

Width:

0.0177	0.0353	0.0530	0.0707	0.0883
0.1060	0.1237	0.1413	0.1590	0.1767
0.1943	0.2120	0.2297	0.2473	0.2650
0.2827	0.3003	0.3180	0.3357	0.3533
0.3710	0.3887	0.4063	0.4240	0.4250
0.4250	0.4250	0.4250	0.4435	0.4700
0.4965	0.5230	0.5495	0.5760	0.6025
0.6290	0.6555	0.6820	0.7085	0.7350
0.7615	0.7880	0.8145	0.8410	0.8675
0.8940	0.9205	0.9470	0.9735	1.0000

Transect ROW_22m

Area:

0.0003	0.0014	0.0031	0.0055	0.0086
0.0124	0.0169	0.0221	0.0280	0.0346
0.0418	0.0498	0.0584	0.0678	0.0778
0.0885	0.0999	0.1120	0.1248	0.1383
0.1525	0.1674	0.1829	0.1992	0.2161
0.2337	0.2521	0.2711	0.2908	0.3119
0.3348	0.3594	0.3857	0.4133	0.4420
0.4717	0.5025	0.5343	0.5673	0.6013
0.6363	0.6725	0.7097	0.7479	0.7873
0.8277	0.8692	0.9117	0.9553	1.0000

Hrad:

0.0200	0.0399	0.0599	0.0798	0.0998
0.1198	0.1397	0.1597	0.1796	0.1996
0.2196	0.2395	0.2595	0.2794	0.2994
0.3194	0.3393	0.3593	0.3792	0.3992
0.4192	0.4391	0.4591	0.4790	0.4990
0.5390	0.5589	0.5789	0.5989	0.5976
0.6138	0.6280	0.6465	0.6764	0.7046
0.7312	0.7565	0.7804	0.8033	0.8250
0.8458	0.8656	0.8847	0.9030	0.9206
0.9376	0.9539	0.9698	0.9851	1.0000

Width:

0.0153	0.0306	0.0459	0.0612	0.0765
0.0918	0.1071	0.1224	0.1376	0.1529
0.1682	0.1835	0.1988	0.2141	0.2294
0.2447	0.2600	0.2753	0.2906	0.3059
0.3212	0.3365	0.3518	0.3671	0.3824
0.3976	0.4129	0.4282	0.4472	0.4861
0.5250	0.5640	0.5982	0.6218	0.6455
0.6691	0.6927	0.7164	0.7400	0.7636
0.7873	0.8109	0.8345	0.8582	0.8818
0.9055	0.9291	0.9527	0.9764	1.0000

Transect ROW_24m

Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0155	0.0211	0.0275	0.0348	0.0430
0.0520	0.0619	0.0726	0.0843	0.0967
0.1100	0.1234	0.1369	0.1503	0.1637
0.1772	0.1906	0.2040	0.2176	0.2324
0.2484	0.2655	0.2840	0.3036	0.3245
0.3466	0.3699	0.3945	0.4203	0.4473
0.4756	0.5050	0.5357	0.5677	0.6008
0.6352	0.6708	0.7077	0.7458	0.7851
0.8256	0.8674	0.9103	0.9546	1.0000

Hrad:

0.0217	0.0434	0.0652	0.0869	0.1086
0.1303	0.1520	0.1737	0.1955	0.2172
0.2389	0.2606	0.2823	0.3041	0.3258
0.3554	0.3981	0.4407	0.4831	0.5253
0.5674	0.6094	0.6512	0.6926	0.7297
0.7620	0.7900	0.8143	0.8353	0.8535
0.8693	0.8830	0.8951	0.9057	0.9151
0.9235	0.9311	0.9381	0.9445	0.9505
0.9561	0.9614	0.9666	0.9716	0.9764
0.9812	0.9859	0.9906	0.9953	1.0000

Width:

0.0187	0.0373	0.0560	0.0747	0.0933
0.1120	0.1307	0.1493	0.1680	0.1867
0.2053	0.2240	0.2427	0.2613	0.2800
0.2917	0.2917	0.2917	0.2917	0.2917
0.2917	0.2917	0.2917	0.3067	0.3333
0.3600	0.3867	0.4133	0.4400	0.4667
0.4933	0.5200	0.5467	0.5733	0.6000
0.6267	0.6533	0.6800	0.7067	0.7333
0.7600	0.7867	0.8133	0.8400	0.8667
0.8933	0.9200	0.9467	0.9733	1.0000

Transect ROW_24m_1

Area:

0.0002	0.0009	0.0020	0.0036	0.0057
0.0081	0.0111	0.0145	0.0183	0.0227
0.0279	0.0340	0.0410	0.0489	0.0577
0.0675	0.0781	0.0897	0.1021	0.1158
0.1311	0.1479	0.1664	0.1857	0.2058
0.2265	0.2480	0.2700	0.2929	0.3171
0.3426	0.3694	0.3976	0.4272	0.4579
0.4893	0.5214	0.5541	0.5875	0.6216
0.6564	0.6919	0.7280	0.7648	0.8023
0.8405	0.8794	0.9189	0.9591	1.0000

Hrad:

0.0217	0.0433	0.0650	0.0866	0.1083
0.1299	0.1516	0.1732	0.1949	0.2158
0.2334	0.2493	0.2650	0.2808	0.2970
0.3137	0.3309	0.3485	0.3666	0.3838
0.3990	0.4128	0.4110	0.4455	0.4784
0.5099	0.5402	0.5694	0.5973	0.6230
0.6462	0.6674	0.6867	0.7046	0.7237
0.7433	0.7628	0.7822	0.8014	0.8205
0.8393	0.8580	0.8765	0.8948	0.9128
0.9307	0.9483	0.9657	0.9830	1.0000

Width:

0.0110	0.0219	0.0329	0.0439	0.0549
0.0658	0.0768	0.0878	0.0987	0.1153
0.1372	0.1592	0.1811	0.2031	0.2250
0.2469	0.2689	0.2908	0.3130	0.3514
0.3398	0.4282	0.4619	0.4783	0.4948
0.5112	0.5277	0.5442	0.5692	0.6021
0.6350	0.6679	0.7008	0.7337	0.7531
0.7696	0.7860	0.8025	0.8190	0.8354
0.8519	0.8683	0.8848	0.9013	0.9177
0.9342	0.9506	0.9671	0.9835	1.0000

Transect ROW_24m_Parking

Area:

0.0004	0.0014	0.0032	0.0056	0.0088
0.0126	0.0172	0.0225	0.0285	0.0351
0.0425	0.0506	0.0594	0.0689	0.0790
0.0899	0.1015	0.1138	0.1268	0.1410
0.1566	0.1735	0.1918	0.2107	0.2304
0.2507	0.2716	0.2933	0.3156	0.3391
0.3638	0.3900	0.4174	0.4462	0.4758
0.5061	0.5371	0.5687	0.6010	0.6339
0.6675	0.7018	0.7367	0.7724	0.8086
0.8456	0.8832	0.9215	0.9604	1.0000

Hrad:

0.0204	0.0408	0.0612	0.0816	0.1020
0.1224	0.1428	0.1632	0.1836	0.2040
0.2244	0.2448	0.2652	0.2856	0.3060
0.3264	0.3469	0.3673	0.3877	0.4065
0.4232	0.4385	0.4621	0.4937	0.5239
0.5528	0.5805	0.6070	0.6326	0.6563
0.6776	0.6968	0.7143	0.7308	0.7488
0.7668	0.7846	0.8023	0.8198	0.8372
0.8543	0.8713	0.8880	0.9046	0.9210
0.9372	0.9532	0.9690	0.9846	1.0000

Width:

0.0176	0.0352	0.0528	0.0704	0.0880
0.1056	0.1231	0.1407	0.1583	0.1759
0.1935	0.2111	0.2287	0.2463	0.2639
0.2815	0.2991	0.3167	0.3384	0.3727
0.4069	0.4412	0.4667	0.4833	0.5000
0.5167	0.5333	0.5500	0.5708	0.6042
0.6375	0.6708	0.7042	0.7333	0.7500
0.7667	0.7833	0.8000	0.8167	0.8333
0.8500	0.8667	0.8833	0.9000	0.9167
0.9333	0.9500	0.9667	0.9833	1.0000

Transect ROW_26m

Area:

0.0003	0.0013	0.0030	0.0053	0.0083

```
            0.0120    0.0164    0.0214    0.0270    0.0334
            0.0404    0.0481    0.0564    0.0654    0.0751
            0.0854    0.0964    0.1081    0.1205    0.1335
            0.1472    0.1615    0.1765    0.1922    0.2086
            0.2261    0.2453    0.2663    0.2888    0.3123
            0.3369    0.3625    0.3892    0.4168    0.4456
            0.4753    0.5061    0.5379    0.5707    0.6046
            0.6395    0.6754    0.7124    0.7504    0.7894
            0.8295    0.8705    0.9127    0.9558    1.0000
Hrad:
            0.0209    0.0418    0.0627    0.0836    0.1045
            0.1254    0.1463    0.1672    0.1880    0.2089
            0.2298    0.2507    0.2716    0.2925    0.3134
            0.3343    0.3552    0.3761    0.3970    0.4179
            0.4388    0.4597    0.4806    0.5015    0.5223
            0.5421    0.5589    0.5735    0.5992    0.6295
            0.6579    0.6846    0.7097    0.7334    0.7558
            0.7771    0.7974    0.8167    0.8352    0.8529
            0.8699    0.8863    0.9021    0.9173    0.9321
            0.9464    0.9604    0.9739    0.9871    1.0000
Width:
            0.0149    0.0299    0.0448    0.0597    0.0747
            0.0896    0.1045    0.1195    0.1344    0.1493
            0.1643    0.1792    0.1941    0.2090    0.2240
            0.2389    0.2538    0.2688    0.2837    0.2986
            0.3136    0.3285    0.3434    0.3584    0.3733
            0.4113    0.4493    0.4873    0.5154    0.5385
            0.5615    0.5846    0.6077    0.6308    0.6538
            0.6769    0.7000    0.7231    0.7462    0.7692
            0.7923    0.8154    0.8385    0.8615    0.8846
            0.9077    0.9308    0.9538    0.9769    1.0000

Transect Upstream1
Area:
            0.0025    0.0106    0.0203    0.0306    0.0413
            0.0526    0.0643    0.0765    0.0889    0.1016
            0.1146    0.1277    0.1411    0.1547    0.1685
            0.1826    0.1968    0.2113    0.2260    0.2410
            0.2562    0.2875    0.3036    0.3201    0.3370
            0.3541    0.3718    0.3916    0.4132    0.4352
            0.4574    0.4798    0.5024    0.5256    0.5499
            0.5749    0.6004    0.6263    0.6529    0.6803
            0.7086    0.7388    0.7719    0.8061    0.8411
            0.8773    0.9158    0.9566    1.0000
Hrad:
            0.0236    0.0542    0.0978    0.1394    0.1791
            0.2172    0.2558    0.2953    0.3343    0.3743
            0.4135    0.4519    0.4897    0.5268    0.5632
            0.5991    0.6344    0.6691    0.7034    0.7372
            0.7686    0.7966    0.8243    0.8517    0.8789
            0.9059    0.9305    0.9395    0.8568    0.8707
            0.9044    0.9376    0.9705    1.0029    1.0032
            1.0093    1.0327    1.0560    1.0792    1.0918
            1.1023    1.1020    1.0403    1.0362    1.0565
            1.0711    1.0710    1.0500    1.0287    1.0000
Width:
            0.1112    0.2068    0.2183    0.2299    0.2414
            0.2530    0.2625    0.2696    0.2763    0.2812
            0.2861    0.2910    0.2959    0.3008    0.3057
            0.3106    0.3155    0.3204    0.3253    0.3301
            0.3350    0.3434    0.3508    0.3582    0.3656
            0.3731    0.3815    0.3971    0.4616    0.4787
            0.4839    0.4890    0.4941    0.4992    0.5218
            0.5423    0.5531    0.5639    0.5747    0.5916
            0.6102    0.6359    0.7052    0.7403    0.7577
            0.7795    0.8137    0.8682    0.9276    1.0000

Transect Upstream2
Area:
            0.0010    0.0033    0.0061    0.0095    0.0135
            0.0180    0.0231    0.0287    0.0349    0.0417
            0.0491    0.0571    0.0658    0.0753    0.0857
            0.0969    0.1089    0.1216    0.1350    0.1491
            0.1643    0.1807    0.1983    0.2174    0.2378
            0.2598    0.2837    0.3085    0.3337    0.3593
            0.3851    0.4112    0.4375    0.4641    0.4910
            0.5185    0.5468    0.5756    0.6049    0.6346
            0.6647    0.6958    0.7278    0.7609    0.7954
            0.8324    0.8717    0.9124    0.9551    1.0000
Hrad:
            0.0245    0.0622    0.0947    0.1245    0.1527
            0.1802    0.2071    0.2329    0.2579    0.2827
            0.3074    0.3275    0.3469    0.3639    0.3812
            0.4022    0.4237    0.4479    0.4730    0.4917
            0.5021    0.5129    0.5218    0.5312    0.5437
            0.5471    0.5612    0.5918    0.6316    0.6711
            0.7100    0.7484    0.7864    0.8238    0.8538
            0.8769    0.9017    0.9331    0.9642    0.9950
            1.0193    1.0315    1.0445    1.0569    1.0476
            1.0094    1.0241    1.0243    1.0266    1.0000
Width:
            0.0422    0.0543    0.0664    0.0785    0.0905
            0.1024    0.1141    0.1261    0.1385    0.1508
            0.1631    0.1781    0.1939    0.2117    0.2302
            0.2467    0.2633    0.2781    0.2924    0.3107
            0.3356    0.3615    0.3904    0.4208    0.4502
            0.4893    0.5205    0.5353    0.5411    0.5466
            0.5522    0.5577    0.5632    0.5687    0.5793
            0.5947    0.6089    0.6182    0.6274    0.6366
            0.6500    0.6718    0.6936    0.7162    0.7558
            0.8227    0.8489    0.8887    0.9286    1.0000

Transect Upstream3
Area:
            0.0006    0.0023    0.0050    0.0083    0.0121
            0.0165    0.0214    0.0269    0.0329    0.0397
            0.0479    0.0574    0.0681    0.0800    0.0928
            0.1066    0.1213    0.1370    0.1537    0.1724
            0.1916    0.2112    0.2310    0.2512    0.2719
            0.2933    0.3154    0.3379    0.3607    0.3838
            0.4072    0.4308    0.4548    0.4792    0.5043
            0.5302    0.5566    0.5834    0.6106    0.6382
            0.6665    0.6955    0.7273    0.7625    0.7988
            0.8362    0.8744    0.9141    0.9558    1.0000
Hrad:
            0.0253    0.0506    0.0845    0.1172    0.1476
            0.1766    0.2047    0.2322    0.2591    0.2672
            0.2667    0.2864    0.3020    0.3243    0.3504
            0.3762    0.4018    0.4273    0.4351    0.4545
            0.4946    0.5339    0.5724    0.6101    0.6377
            0.6626    0.6916    0.7293    0.7664    0.8029
            0.8390    0.8745    0.9096    0.9307    0.9485
            0.9716    1.0018    1.0317    1.0613    1.0906
            1.1067    1.1229    1.0191    1.0199    1.0379
            1.0594    1.0820    1.0709    1.0785    1.0000
Width:
            0.0239    0.0478    0.0617    0.0733    0.0849
            0.0965    0.1081    0.1196    0.1312    0.1535
            0.1863    0.2081    0.2344    0.2566    0.2757
            0.2950    0.3144    0.3339    0.3682    0.3946
            0.4014    0.4082    0.4149    0.4217    0.4354
            0.4510    0.4634    0.4693    0.4752    0.4811
            0.4870    0.4929    0.4988    0.5128    0.5290
            0.5420    0.5538    0.5594    0.5768    0.5768
            0.5931    0.6096    0.7080    0.7423    0.7640
            0.7831    0.8014    0.8479    0.8809    1.0000

Transect Upstream4
Area:
            0.0018    0.0046    0.0083    0.0128    0.0180
            0.0238    0.0302    0.0371    0.0448    0.0547
            0.0662    0.0782    0.0907    0.1038    0.1174
            0.1319    0.1472    0.1638    0.1825    0.2018
            0.2212    0.2408    0.2608    0.2810    0.3017
            0.3227    0.3453    0.3685    0.3919    0.4155
            0.4393    0.4633    0.4875    0.5118    0.5364
            0.5615    0.5871    0.6133    0.6408    0.6690
            0.6977    0.7269    0.7568    0.7876    0.8192
            0.8516    0.8851    0.9205    0.9583    1.0000
Hrad:
            0.0356    0.0671    0.0952    0.1219    0.1526
            0.1825    0.2111    0.2388    0.2457    0.2281
            0.2626    0.2959    0.3290    0.3614    0.3872
            0.4105    0.4302    0.4402    0.4405    0.4805
            0.5198    0.5573    0.5905    0.6232    0.6553
            0.6869    0.6742    0.7110    0.7474    0.7833
            0.8187    0.8537    0.8883    0.9224    0.9509
            0.9733    0.9956    1.0049    1.0036    1.0287
            1.0536    1.0784    1.0896    1.1008    1.1169
            1.1330    1.1274    1.1025    1.0707    1.0000
Width:
            0.0541    0.0732    0.0923    0.1110    0.1246
            0.1374    0.1502    0.1630    0.1916    0.2527
            0.2652    0.2777    0.2895    0.3012    0.3179
            0.3368    0.3586    0.3902    0.4339    0.4377
            0.4416    0.4466    0.4547    0.4628    0.4709
            0.4791    0.5224    0.5268    0.5312    0.5356
            0.5400    0.5444    0.5488    0.5532    0.5611
            0.5729    0.5847    0.6049    0.6332    0.6440
            0.6548    0.6656    0.6857    0.7062    0.7236
            0.7412    0.7753    0.8268    0.8894    1.0000

Transect Upstream5
Area:
            0.0012    0.0039    0.0075    0.0122    0.0185
            0.0256    0.0332    0.0413    0.0500    0.0592
            0.0689    0.0792    0.0900    0.1012    0.1130
            0.1251    0.1375    0.1502    0.1632    0.1765
            0.1902    0.2041    0.2184    0.2330    0.2480
            0.2635    0.2798    0.2968    0.3145    0.3331
            0.3525    0.3727    0.3942    0.4178    0.4431
            0.4698    0.4988    0.5309    0.5639    0.5984
            0.6349    0.6722    0.7101    0.7485    0.7872
            0.8265    0.8666    0.9084    0.9530    1.0000
Hrad:
            0.0281    0.0626    0.0927    0.1114    0.1369
            0.1752    0.2115    0.2463    0.2799    0.3124
            0.3524    0.3749    0.4068    0.4379    0.4694
            0.5056    0.5411    0.5759    0.6102    0.6439
            0.6771    0.7099    0.7421    0.7699    0.7956
            0.8104    0.8232    0.8370    0.8495    0.8616
            0.8746    0.8886    0.8484    0.8428    0.8418
            0.8363    0.8155    0.8068    0.8309    0.8203
            0.8497    0.8801    0.9176    0.9547    0.9913
            1.0230    1.0475    1.0267    1.0168    1.0000
Width:
            0.0449    0.0640    0.0831    0.1124    0.1386
            0.1495    0.1603    0.1712    0.1820    0.1929
            0.2048    0.2146    0.2243    0.2341    0.2433
            0.2496    0.2559    0.2622    0.2684    0.2747
            0.2810    0.2873    0.2936    0.3016    0.3105
            0.3241    0.3390    0.3539    0.3698    0.3865
            0.4032    0.4199    0.4663    0.4984    0.5298
            0.5663    0.6178    0.6645    0.6844    0.7354
            0.7522    0.7679    0.7768    0.7857    0.7946
            0.8074    0.8259    0.8838    0.9366    1.0000

Transect Upstream6
Area:
            0.0020    0.0057    0.0101    0.0154    0.0216
            0.0285    0.0362    0.0446    0.0534    0.0628
            0.0726    0.0829    0.0939    0.1054    0.1174
            0.1299    0.1429    0.1564    0.1705    0.1850
            0.2000    0.2153    0.2310    0.2472    0.2637
            0.2808    0.2986    0.3172    0.3364    0.3564
            0.3786    0.4016    0.4255    0.4503    0.4760
            0.5026    0.5304    0.5593    0.5897    0.6214
            0.6541    0.6875    0.7215    0.7561    0.7915
            0.8280    0.8671    0.9077    0.9506    1.0000
Hrad:
            0.0333    0.0728    0.1080    0.1404    0.1714
            0.2022    0.2321    0.2687    0.3047    0.3396
            0.3717    0.4020    0.4318    0.4612    0.4948
            0.5246    0.5534    0.5820    0.6106    0.6442
            0.6733    0.7139    0.7423    0.7742    0.8057
            0.8224    0.8398    0.8578    0.8777    0.8995
            0.8582    0.8792    0.8979    0.9152    0.9365
            0.9490    0.9612    0.9727    0.9697    0.9916
            1.0145    1.0496    1.0816    1.1092    1.1367
            1.1540    1.1196    1.1309    1.0883    1.0000
Width:
            0.0616    0.0785    0.0947    0.1108    0.1267
            0.1418    0.1569    0.1666    0.1758    0.1850
            0.1952    0.2062    0.2171    0.2280    0.2365
            0.2466    0.2570    0.2674    0.2776    0.2853
            0.2930    0.3007    0.3084    0.3161    0.3238
            0.3379    0.3520    0.3661    0.3797    0.4163
            0.4379    0.4535    0.4707    0.4888    0.5050
            0.5264    0.5485    0.5718    0.6051    0.6237
            0.6417    0.6518    0.6637    0.6783    0.6930
            0.7329    0.7718    0.8002    0.8718    1.0000


***************
Analysis Options
***************
Flow Units ..... CMS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... NO
  Water Quality ..... NO
Infiltration Method ..... HORTON
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date ..... 07/23/2009 00:00:00
Ending Date ..... 07/25/2009 00:00:00
Antecedent Dry Days ..... 0.0
Report Time Step ..... 00:01:00
Wet Time Step ..... 00:01:00
Dry Time Step ..... 00:01:00
Routing Time Step ..... 1.00 sec
Variable Time Step ..... YES
Maximum Trials ..... 8
Number of Threads ..... 18
Head Tolerance ..... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation .....          4.009        48.000
Evaporation Loss .....             0.000         0.000
Infiltration Loss .....            1.997        23.903
Surface Runoff .....              1.927        23.073
Final Storage .....                0.087         1.038
Continuity Error (%) .....       -0.029


**************************        Volume         Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------      ---------
Dry Weather Inflow .....           0.000          0.000
Wet Weather Inflow .....           1.927         19.272
Groundwater Inflow .....           0.000          0.000
RDII Inflow .....                  0.000          0.000
External Inflow .....             0.000          0.000
External Outflow .....            1.809         18.091
Flooding Loss .....                0.000          0.000
Evaporation Loss .....             0.000          0.000
Exfiltration Loss .....            0.124          1.239
Initial Stored Volume ....         0.000          0.000
Final Stored Volume .....          0.001          0.013
Continuity Error (%) .....       -0.366
```

****
Highest Continuity Errors
****
Node J37 (67.24%)
Node J49 (64.59%)
Node J67 (52.00%)
Node 555_(C-STRM) (-44.54%)
Node J35 (-29.75%)

****
Time-Step Critical Elements
****
None

****
Highest Flow Instability Indexes
****
Link OL2 (14)
Link OL8 (13)
Link C-STRM-93_(C-STRM) (11)
Link C-STRM-83_(C-STRM) (9)
Link OL20 (8)

****
Most Frequent Nonconverging Nodes
****
Convergence obtained at all time steps.

****
Routing Time Step Summary
****

Minimum Time Step	:	0.50 sec
Average Time Step	:	1.00 sec
Maximum Time Step	:	1.00 sec
% of Time in Steady State	:	0.00
Average Iterations per Step	:	2.00
% of Steps Not Converging	:	0.00
Time Step Frequencies	:	
1.000 - 0.871 sec	:	99.92 %
0.871 - 0.758 sec	:	0.06 %
0.758 - 0.660 sec	:	0.02 %
0.660 - 0.574 sec	:	0.00 %
0.574 - 0.500 sec	:	0.00 %

****
Subcatchment Runoff Summary
****

Subcatchment	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm
A15_1	10.57	0.14	0.03	48.00 0.220	0.00	0.00	36.10	8.81	1.76
A15_2	10.09	0.22	0.05	48.00 0.210	0.00	0.00	36.58	8.81	1.28
A18	19.13	0.11	0.05	48.00 0.399	0.00	0.00	28.27	18.18	0.96
A19	11.06	0.12	0.05	48.00 0.230	0.00	0.00	36.60	10.37	0.69
A20	5.34	0.26	0.07	48.00 0.111	0.00	0.00	41.37	3.89	1.45
NULL3	39.24	0.22	0.09	48.00 0.818	0.00	0.00	7.48	38.71	0.53
S1	19.29	1.26	0.87	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S1_1	30.44	0.03	0.01	48.00 0.634	0.00	0.00	16.49	33.20	3.88
S1_2	30.37	0.04	0.02	48.00 0.633	0.00	0.00	16.55	33.19	3.81
S10_1	19.29	0.36	0.25	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S10_2	19.29	0.41	0.29	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S10_4	19.29	0.14	0.10	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S10_5	19.29	0.24	0.17	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S11	0.47	0.02	0.02	48.00 0.010	0.00	0.00	47.54	0.00	0.47
S12	30.31	0.13	0.07	48.00 0.631	0.00	0.00	16.61	33.19	3.76
S14_1	30.25	0.18	0.09	48.00 0.630	0.00	0.00	16.66	33.19	3.70
S14_3	30.10	0.32	0.15	48.00 0.627	0.00	0.00	16.81	33.18	3.55
S14_4	30.17	0.09	0.05	48.00 0.629	0.00	0.00	16.74	33.19	3.62
S14_5	30.12	0.51	0.24	48.00 0.628	0.00	0.00	16.78	33.18	3.58
S14_6	30.20	0.08	0.04	48.00 0.629	0.00	0.00	16.71	33.19	3.65
S14_7	30.17	0.36	0.18	48.00 0.629	0.00	0.00	16.73	33.19	3.63
S14_8	30.17	0.13	0.06	48.00 0.628	0.00	0.00	16.74	33.19	3.62
S15	19.29	0.32	0.22	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S16_1	46.41	0.22	0.06	48.00 0.967	0.00	0.00	0.00	46.41	0.00
S16_2	46.37	0.46	0.09	48.00 0.966	0.00	0.00	0.00	46.37	0.00
S17	0.15	0.01	0.01	48.00 0.003	0.00	0.00	47.80	1.55	0.15
S18_2	20.15	0.68	0.47	48.00 0.420	0.00	0.00	26.82	31.19	10.80
S18_3	20.15	0.33	0.23	48.00 0.420	0.00	0.00	26.82	31.19	10.80
S18_4	20.15	0.18	0.12	48.00 0.420	0.00	0.00	26.82	31.19	10.80
S18_5	20.15	0.37	0.26	48.00 0.420	0.00	0.00	26.82	31.19	10.80
S18_6	20.15	0.17	0.12	48.00 0.420	0.00	0.00	26.82	31.19	10.80
S19	30.18	0.29	0.14	48.00 0.629	0.00	0.00	16.73	33.19	3.63
S2	30.14	0.11	0.05	48.00 0.628	0.00	0.00	16.76	33.18	3.60
S2_1	20.15	0.63	0.44	48.00 0.420	0.00	0.00	26.82	31.19	10.80
S2_2	20.15	0.20	0.14	48.00 0.420	0.00	0.00	26.82	31.19	10.80
S20_1	30.26	0.14	0.07	48.00 0.630	0.00	0.00	16.66	33.19	3.71
S20_2	30.24	0.07	0.04	48.00 0.630	0.00	0.00	16.68	33.19	3.69
S3	19.29	0.41	0.28	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S32_1	30.33	0.13	0.06	48.00 0.632	0.00	0.00	16.59	33.19	3.77
S32_2	19.29	0.03	0.02	48.00 0.402	0.00	0.00	27.72	29.86	10.34
S36	46.32	0.84	0.14	48.00 0.965	0.00	0.00	0.00	46.32	0.00
S4	39.88	5.27	1.51	48.00 0.831	0.00	0.00	6.76	39.79	0.09
S5	39.98	1.28	0.44	48.00 0.833	0.00	0.00	6.68	39.80	0.18
S6	24.62	0.08	0.05	48.00 0.513	0.00	0.00	22.51	26.55	3.38
S7	39.99	1.59	0.55	48.00 0.833	0.00	0.00	6.67	39.80	0.19
S8	5.41	0.09	0.05	48.00 0.113	0.00	0.00	42.04	16.59	5.41

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Node Depth Summary
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Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.11	104.50	0 12:00	0.11
EXD_10	JUNCTION	0.03	0.23	98.89	0 12:07	0.23
EXD_11	JUNCTION	0.03	0.18	98.68	0 12:07	0.18
EXD_12	JUNCTION	0.03	0.25	98.55	0 12:05	0.25
EXD_13	JUNCTION	0.01	0.12	104.44	0 12:01	0.12
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.03	0.26	100.53	0 12:00	0.26
EXD_16	JUNCTION	0.02	0.14	100.35	0 12:00	0.14
EXD_17	JUNCTION	0.03	0.15	100.04	0 12:01	0.15
EXD_18	JUNCTION	0.01	0.13	99.53	0 12:05	0.13
EXD_19	JUNCTION	0.03	0.22	99.41	0 12:04	0.22
EXD_2	JUNCTION	0.03	0.20	103.66	0 12:03	0.20
EXD_20	JUNCTION	0.03	0.23	99.41	0 12:02	0.23
EXD_21	JUNCTION	0.03	0.20	99.38	0 12:02	0.20
EXD_22	JUNCTION	0.02	0.11	99.26	0 12:08	0.11
EXD_23	JUNCTION	0.03	0.19	98.94	0 12:13	0.19
EXD_24	JUNCTION	0.01	0.10	98.77	0 12:16	0.10
EXD_25	JUNCTION	0.03	0.18	98.71	0 12:18	0.18
EXD_26	JUNCTION	0.01	0.10	98.59	0 12:20	0.10
EXD_27	JUNCTION	0.04	0.22	98.38	0 12:00	0.22
EXD_3	JUNCTION	0.01	0.10	103.29	0 12:05	0.10
EXD_4	JUNCTION	0.01	0.09	102.74	0 12:06	0.09
EXD_5	JUNCTION	0.01	0.14	102.63	0 12:06	0.14
EXD_6	JUNCTION	0.01	0.11	102.43	0 12:08	0.11
EXD_7	JUNCTION	0.01	0.09	101.58	0 12:12	0.09
EXD_8	JUNCTION	0.03	0.26	100.74	0 12:11	0.26
EXD_9	JUNCTION	0.02	0.13	100.51	0 12:14	0.13
J1	JUNCTION	0.00	0.00	103.45	0 00:00	0.00
J13	JUNCTION	0.00	0.00	103.30	0 00:00	0.00
J17	JUNCTION	0.01	0.10	104.48	0 12:00	0.10
J19	JUNCTION	0.00	0.01	105.61	0 12:00	0.01
J2	JUNCTION	0.00	0.01	109.01	0 12:00	0.01
J20	JUNCTION	0.00	0.01	105.81	0 12:00	0.01
J21	JUNCTION	0.00	0.01	105.91	0 12:00	0.01
J22	JUNCTION	0.00	0.00	106.00	0 00:00	0.00
J23	JUNCTION	0.00	0.00	106.20	0 00:00	0.00
J27	JUNCTION	0.00	0.01	109.01	0 12:00	0.01
J28	JUNCTION	0.00	0.01	108.81	0 12:00	0.01
J3	JUNCTION	0.00	0.00	103.70	0 00:00	0.00
J31	JUNCTION	0.00	0.00	106.00	0 15:17	0.00
J35	JUNCTION	0.00	0.01	104.71	0 12:00	0.01
J36	JUNCTION	0.00	0.00	104.93	0 12:26	0.00
J37	JUNCTION	0.00	0.00	104.65	0 12:05	0.00
J38	JUNCTION	0.00	0.01	104.61	0 12:00	0.01
J39	JUNCTION	0.00	0.00	104.45	0 12:02	0.00
J4	JUNCTION	0.00	0.00	103.60	0 00:00	0.00
J40	JUNCTION	0.00	0.00	103.20	0 12:02	0.00
J42	JUNCTION	0.00	0.01	104.21	0 12:00	0.01
J43	JUNCTION	0.00	0.01	104.51	0 12:00	0.01
J45	JUNCTION	0.00	0.00	104.60	0 00:00	0.00
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.01	105.76	0 12:00	0.01
J49	JUNCTION	0.00	0.00	105.30	1 05:26	0.00
J5	JUNCTION	0.00	0.00	103.50	0 00:00	0.00
J50	JUNCTION	0.00	0.01	106.76	0 12:00	0.01
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0 00:00	0.00
J57	JUNCTION	0.00	0.01	108.41	0 12:00	0.01
J58	JUNCTION	0.00	0.01	108.01	0 12:00	0.01
J6	JUNCTION	0.00	0.00	103.40	0 00:00	0.00
J60	JUNCTION	0.00	0.01	107.01	0 12:00	0.01
J61	JUNCTION	0.00	0.00	106.50	0 12:02	0.00
J62	JUNCTION	0.00	0.00	105.70	0 21:53	0.00
J63	JUNCTION	0.00	0.01	105.21	0 12:01	0.01
J66	JUNCTION	0.00	0.00	107.75	0 12:04	0.00
J67	JUNCTION	0.00	0.00	107.50	0 17:03	0.00
J74	JUNCTION	0.17	0.37	98.82	0 13:21	0.37
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.02	0.18	98.18	0 12:00	0.18
ST4_108A_(P-Stm)	OUTFALL	0.00	0.00	98.02	0 00:00	0.00
500_(C-STRM)	STORAGE	0.24	0.54	100.91	0 11:45	0.54
502_(C-STRM)	STORAGE	0.08	1.09	101.66	0 12:01	1.09
503_(C-STRM)	STORAGE	0.07	1.12	101.73	0 12:00	1.12
504_(C-STRM)	STORAGE	0.31	0.89	103.95	0 12:01	0.89
505_(C-STRM)	STORAGE	0.31	0.90	104.38	0 12:00	0.90
506_(C-STRM)	STORAGE	0.31	0.88	104.71	0 12:00	0.87
507_(C-STRM)	STORAGE	0.31	0.84	105.00	0 12:01	0.84
508_(C-STRM)	STORAGE	0.31	0.86	105.25	0 12:01	0.86
509_(C-STRM)	STORAGE	0.31	0.86	105.48	0 12:01	0.86
510_(C-STRM)	STORAGE	0.31	0.78	105.65	0 12:00	0.78
511_(C-STRM)	STORAGE	0.31	0.79	105.72	0 12:00	0.78
512_(C-STRM)	STORAGE	0.31	0.84	105.98	0 12:00	0.84
513_(C-STRM)	STORAGE	0.31	0.79	106.05	0 12:00	0.78
514_(C-STRM)	STORAGE	0.23	0.46	106.07	0 12:01	0.45
515_(C-STRM)	STORAGE	0.00	0.00	105.88	0 00:00	0.00
516_(C-STRM)	STORAGE	0.31	0.82	106.30	0 12:01	0.82
517_(C-STRM)	STORAGE	0.31	0.87	106.51	0 12:00	0.87
518_(C-STRM)	STORAGE	0.32	0.97	106.84	0 12:00	0.97
519_(C-STRM)	STORAGE	0.30	0.78	106.88	0 12:00	0.77
520_(C-STRM)	STORAGE	0.30	0.59	106.96	0 12:00	0.59
522_(C-STRM)	STORAGE	0.30	0.57	104.87	0 12:00	0.57
525_(C-STRM)	STORAGE	0.07	1.29	101.87	0 12:02	1.28
528_(C-STRM)	STORAGE	0.04	1.40	102.10	0 12:02	1.40
532_(C-STRM)	STORAGE	0.03	1.44	102.24	0 12:02	1.44
536_(C-STRM)	STORAGE	0.04	1.43	102.37	0 12:02	1.42
540_(C-STRM)	STORAGE	0.31	1.66	102.49	0 12:02	1.66
541_(C-STRM)	STORAGE	0.31	1.65	102.55	0 12:03	1.65
551_(C-STRM)	STORAGE	0.31	1.00	101.67	0 12:00	0.99
552_(C-STRM)	STORAGE	0.31	0.90	101.67	0 12:00	0.90
553_(C-STRM)	STORAGE	0.31	0.70	101.66	0 12:03	0.70
554_(C-STRM)	STORAGE	0.23	0.60	101.68	0 12:02	0.60
555_(C-STRM)	STORAGE	0.23	0.41	101.68	0 12:04	0.41
556_(C-STRM)	STORAGE	0.00	0.00	101.39	0 00:00	0.00
601_(C-STRM)	STORAGE	0.08	1.01	101.44	0 12:03	1.01
602_(C-STRM)	STORAGE	0.09	1.38	101.87	0 12:03	1.39
603_(C-STRM)	STORAGE	0.08	1.41	101.96	0 12:03	1.40
604_(C-STRM)	STORAGE	0.09	1.57	102.19	0 12:03	1.57
605_(C-STRM)	STORAGE	0.23	0.98	102.36	0 12:03	0.98
619_(C-STRM)	STORAGE	0.08	1.54	102.67	0 12:02	1.54
622_(C-STRM)	STORAGE	0.08	1.56	102.80	0 12:02	1.56
626_(C-STRM)	STORAGE	0.23	0.38	104.37	0 12:02	0.38
627_(C-STRM)	STORAGE	0.23	0.52	103.72	0 12:01	0.52
629_(C-STRM)	STORAGE	0.08	1.13	102.84	0 12:02	1.13
630_(C-STRM)	STORAGE	0.08	1.06	102.89	0 12:02	1.05
630A_(C-STRM)	STORAGE	0.08	1.03	102.91	0 12:01	1.03
633_TC-STRM)	STORAGE	0.00	0.07	105.37	0 12:02	0.07
634_(C-STRM)	STORAGE	0.23	1.02	102.90	0 12:02	1.01
637_(C-STRM)	STORAGE	0.00	0.01	105.36	0 12:00	0.01
643_(C-STRM)	STORAGE	0.23	0.94	103.00	0 12:02	0.93
644_(C-STRM)	STORAGE	0.23	0.47	103.01	0 12:03	0.47
645_(C-STRM)	STORAGE	0.05	0.69	102.98	0 12:01	0.69
646_(C-STRM)	STORAGE	0.04	0.63	103.07	0 12:01	0.63
647_(C-STRM)	STORAGE	0.04	0.57	103.14	0 12:00	0.57
650_(C-STRM)	STORAGE	0.08	1.51	102.50	0 12:02	1.51
651_(C-STRM)	STORAGE	0.08	1.53	102.42	0 12:02	1.53
652_(C-STRM)	STORAGE	0.09	1.51	102.38	0 12:02	1.51
Filter_Bed	STORAGE	0.24	0.82	100.92	0 12:11	0.82

Industrial_NORTH	STORAGE	0.00	0.01	105.21	0	12:00	0.01	
Industrial_South	STORAGE	0.00	0.01	105.01	0	12:00	0.01	
MTD_(C-STRM)	STORAGE	0.16	1.18	101.55	0	12:01	1.18	
OVERFLOW_(C-STRM)	STORAGE	0.25	0.91	101.08	0	11:45	0.91	
PARK	STORAGE	0.00	0.00	105.36	0	12:02	0.00	
POND_(C-STRM)	STORAGE	0.44	1.34	99.79	0	13:20	1.34	
S_504-503	STORAGE	0.00	0.01	105.76	0	12:00	0.01	
S_525-MTD	STORAGE	0.00	0.01	103.46	0	12:00	0.01	
S_528-525	STORAGE	0.00	0.01	103.51	0	12:00	0.01	
S_532-528	STORAGE	0.00	0.01	103.66	0	12:00	0.01	
S_536-532	STORAGE	0.00	0.02	103.72	0	12:00	0.02	
S_540-536	STORAGE	0.00	0.01	103.86	0	12:00	0.01	
S_545-541	STORAGE	0.00	0.02	103.92	0	12:01	0.02	
S_607-605	STORAGE	0.00	0.02	107.92	0	12:01	0.02	
S_620-619	STORAGE	0.00	0.01	106.91	0	12:00	0.01	
S_622-619	STORAGE	0.00	0.01	106.01	0	12:00	0.01	
S_623-622	STORAGE	0.00	0.01	106.51	0	12:00	0.01	
S_627-630	STORAGE	0.00	0.01	106.71	0	12:00	0.01	
S_652-604	STORAGE	0.00	0.01	105.86	0	12:00	0.01	
Woodlot_North	STORAGE	0.00	0.00	106.75	0	12:01	0.00	

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days	hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.065	0	12:00	0	0.132	0.000
EXD_10	JUNCTION	0.196	0.272	0	12:00	1.06	1.79	-0.002
EXD_11	JUNCTION	0.000	0.255	0	12:07	0	1.79	0.005
EXD_12	JUNCTION	0.049	0.287	0	12:05	0.217	2.01	0.002
EXD_13	JUNCTION	0.000	0.063	0	12:00	0	0.132	-0.197
EXD_14	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.066	0.066	0	12:00	0.258	0.258	-0.003
EXD_16	JUNCTION	0.000	0.060	0	12:00	0	0.258	-0.046
EXD_17	JUNCTION	0.000	0.059	0	12:00	0	0.258	-0.152
EXD_18	JUNCTION	0.000	0.061	0	12:02	0	0.259	0.260
EXD_19	JUNCTION	0.000	0.055	0	12:05	0	0.262	-0.001
EXD_2	JUNCTION	0.000	0.061	0	12:01	0	0.132	0.323
EXD_20	JUNCTION	0.052	0.073	0	12:00	0.122	0.384	-0.004
EXD_21	JUNCTION	0.000	0.070	0	12:00	0	0.38	-0.040
EXD_22	JUNCTION	0.000	0.069	0	12:05	0	0.381	-0.049
EXD_23	JUNCTION	0.000	0.068	0	12:08	0	0.381	0.216
EXD_24	JUNCTION	0.000	0.064	0	12:14	0	0.38	0.147
EXD_25	JUNCTION	0.048	0.068	0	12:16	0.113	0.493	-0.026
EXD_26	JUNCTION	0.000	0.075	0	12:18	0	0.493	0.036
EXD_27	JUNCTION	0.085	0.387	0	12:00	0.222	2.73	0.012
EXD_3	JUNCTION	0.000	0.055	0	12:04	0	0.132	0.082
EXD_4	JUNCTION	0.000	0.054	0	12:05	0	0.132	-0.045
EXD_5	JUNCTION	0.000	0.053	0	12:06	0	0.132	0.004
EXD_6	JUNCTION	0.000	0.053	0	12:07	0	0.131	-0.285
EXD_7	JUNCTION	0.009	0.058	0	12:08	0.00926	0.141	0.812
EXD_8	JUNCTION	0.126	0.136	0	12:00	0.597	0.737	-0.038
EXD_9	JUNCTION	0.000	0.124	0	12:11	0	0.738	0.098
J1	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J13	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J17	JUNCTION	0.000	0.064	0	12:00	0	0.132	0.033
J19	JUNCTION	0.014	0.014	0	12:00	0.0285	0.0287	-0.075
J2	JUNCTION	0.066	0.066	0	12:00	0.132	0.132	-0.213
J20	JUNCTION	0.054	0.055	0	12:00	0.112	0.112	-0.115
J21	JUNCTION	0.021	0.021	0	12:00	0.0422	0.0422	-0.044
J22	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J23	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J27	JUNCTION	0.090	0.090	0	12:00	0.183	0.183	-0.223
J28	JUNCTION	0.245	0.245	0	12:00	0.508	0.508	-0.558
J3	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J31	JUNCTION	0.000	0.000	0	12:02	0	7.91e-05	39.430
J35	JUNCTION	0.143	0.143	0	12:00	0.293	0.293	-22.928
J36	JUNCTION	0.000	0.000	0	12:01	0	0.000161	13.250
J37	JUNCTION	0.000	0.000	0	12:00	0	1.69e-05	11.345 ltr
J38	JUNCTION	0.035	0.035	0	12:00	0.0716	0.0716	-0.056
J39	JUNCTION	0.000	0.000	0	11:59	0	6.51e-05	41.799
J4	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J40	JUNCTION	0.000	0.000	0	12:00	0	0.000135	0.092
J42	JUNCTION	0.067	0.068	0	12:00	0.137	0.137	-0.046
J43	JUNCTION	0.064	0.065	0	12:00	0.13	0.13	-0.128
J45	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J46	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J47	JUNCTION	0.045	0.045	0	12:00	0.0927	0.0929	-0.136
J49	JUNCTION	0.000	0.000	0	23:52	0	4.63e-05	29.918 ltr
J5	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J50	JUNCTION	0.063	0.063	0	12:00	0.129	0.129	-0.173
J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J57	JUNCTION	0.153	0.153	0	12:00	0.319	0.319	-0.600
J58	JUNCTION	0.041	0.041	0	12:00	0.0839	0.084	-0.041
J6	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J60	JUNCTION	0.176	0.176	0	12:00	0.361	0.361	-0.114
J61	JUNCTION	0.000	0.000	0	12:00	0	8.81e-05	11.407
J62	JUNCTION	0.000	0.000	0	16:58	0	5.67e-05	22.478
J63	JUNCTION	0.000	0.000	0	11:57	0	0.000183	13.801
J66	JUNCTION	0.000	0.000	0	12:00	0	6.65e-05	14.011
J67	JUNCTION	0.000	0.000	0	12:05	0	5.83e-05	30.319 ltr
J74	JUNCTION	0.000	0.250	0	13:20	0	15.3	0.000
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	0.000 ltr
OF2	OUTFALL	0.046	0.046	0	12:00	0.0842	0.0842	0.000
OF3	OUTFALL	0.000	0.372	0	12:00	0	2.73	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.250	0	13:21	0	15.3	0.000
500_(C-STRM)	STORAGE	0.000	0.145	0	11:45	0	0.262	-0.707
502_(C-STRM)	STORAGE	0.000	0.847	0	12:00	0	2.41	0.054
503_(C-STRM)	STORAGE	0.000	0.715	0	12:00	0	1.83	0.003
504_(C-STRM)	STORAGE	0.000	0.687	0	12:00	0	1.7	-0.175
505_(C-STRM)	STORAGE	0.000	0.639	0	12:00	0	1.58	0.052
506_(C-STRM)	STORAGE	0.000	0.591	0	12:00	0	1.45	0.312
507_(C-STRM)	STORAGE	0.000	0.448	0	12:01	0	1.09	-0.564
508_(C-STRM)	STORAGE	0.000	0.451	0	12:01	0	1.09	-0.004
509_(C-STRM)	STORAGE	0.000	0.454	0	12:00	0	1.09	-0.017
510_(C-STRM)	STORAGE	0.000	0.455	0	12:00	0	1.09	-0.065
511_(C-STRM)	STORAGE	0.000	0.457	0	12:00	0	1.09	0.064
512_(C-STRM)	STORAGE	0.000	0.425	0	12:00	0	1.01	-0.006
513_(C-STRM)	STORAGE	0.000	0.449	0	12:00	0	1.02	0.881
514_(C-STRM)	STORAGE	0.000	0.012	0	11:58	0	0.0036	-13.582
515_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
516_(C-STRM)	STORAGE	0.000	0.308	0	12:00	0	0.686	-1.121
517_(C-STRM)	STORAGE	0.000	0.314	0	12:00	0	0.687	0.198
518_(C-STRM)	STORAGE	0.000	0.321	0	12:00	0	0.693	0.820
519_(C-STRM)	STORAGE	0.000	0.088	0	11:58	0	0.181	-1.241
520_(C-STRM)	STORAGE	0.000	0.090	0	12:00	0	0.183	1.275
522_(C-STRM)	STORAGE	0.000	0.065	0	12:00	0	0.132	0.031
525_(C-STRM)	STORAGE	0.000	1.163	0	12:02	0	2.04	0.010
528_(C-STRM)	STORAGE	0.000	0.976	0	12:02	0	1.72	-0.015
532_(C-STRM)	STORAGE	0.000	0.781	0	12:03	0	1.39	0.113
536_(C-STRM)	STORAGE	0.000	0.690	0	12:03	0	1.22	-0.178
540_(C-STRM)	STORAGE	0.000	0.483	0	12:01	0	0.851	-0.022
541_(C-STRM)	STORAGE	0.000	0.378	0	11:55	0	0.675	-0.018
551_(C-STRM)	STORAGE	0.000	0.146	0	11:56	0	0.437	-0.321
552_(C-STRM)	STORAGE	0.000	0.166	0	11:58	0	0.435	-0.435
553_(C-STRM)	STORAGE	0.000	0.143	0	12:00	0	0.39	3.898
554_(C-STRM)	STORAGE	0.000	0.054	0	12:00	0	0.0145	11.903
555_(C-STRM)	STORAGE	0.000	0.014	0	12:02	0	0.00205	-30.817
556_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
601_(C-STRM)	STORAGE	0.000	3.643	0	12:03	0	9.24	-0.000
602_(C-STRM)	STORAGE	0.000	3.645	0	12:03	0	9.24	0.001
603_(C-STRM)	STORAGE	0.000	3.610	0	12:02	0	9.16	-0.000
604_(C-STRM)	STORAGE	0.000	3.626	0	12:02	0	9.15	-0.088
605_(C-STRM)	STORAGE	0.000	0.664	0	11:56	0	0.776	1.594
619_(C-STRM)	STORAGE	0.000	2.819	0	12:01	0	7.98	-0.001
622_(C-STRM)	STORAGE	0.000	2.684	0	12:01	0	7.74	-0.138
626_(C-STRM)	STORAGE	0.000	0.018	0	12:01	0	0.0153	-1.869
627_(C-STRM)	STORAGE	0.000	0.105	0	12:00	0	0.0983	0.386
629_(C-STRM)	STORAGE	0.000	1.965	0	12:00	0	6.83	0.122
630_(C-STRM)	STORAGE	0.000	2.020	0	12:00	0	6.83	-0.003
630A_(C-STRM)	STORAGE	0.000	1.954	0	12:00	0	6.74	0.054
633_(C-STRM)	STORAGE	0.141	0.141	0	12:00	0.204	0.204	0.000
634_(C-STRM)	STORAGE	0.000	0.445	0	12:00	0	0.505	-0.660
637_(C-STRM)	STORAGE	0.438	0.438	0	12:00	0.633	0.633	0.000
643_(C-STRM)	STORAGE	0.000	0.374	0	11:57	0	0.393	2.161
644_(C-STRM)	STORAGE	0.000	0.013	0	12:02	0	0.00282	-13.487
645_(C-STRM)	STORAGE	0.000	0.489	0	12:00	0	1.46	0.009
646_(C-STRM)	STORAGE	0.000	0.492	0	12:00	0	1.42	0.002
647_(C-STRM)	STORAGE	0.000	0.447	0	12:00	0	1.31	0.055
650_(C-STRM)	STORAGE	0.000	2.778	0	12:01	0	7.98	-0.000
651_(C-STRM)	STORAGE	0.000	2.753	0	12:02	0	7.98	0.001
652_(C-STRM)	STORAGE	0.000	2.982	0	12:02	0	8.38	0.005

Filter_Bed	STORAGE	0.000	1.939	0	12:01	0	4.21	0.981
Industrial_NORTH	STORAGE	1.515	1.515	0	12:00	5.27	5.27	- 0.112
Industrial_South	STORAGE	0.436	0.436	0	12:00	1.28	1.28	- 0.064
MTD_(C-STRM)	STORAGE	0.000	1.927	0	12:01	0	4.45	0.023
OVERFLOW_(C-STRM)	STORAGE	0.000	1.926	0	12:02	0	4.45	- 0.510
PARK	STORAGE	0.048	0.048	0	12:01	0.0865	0.0865	- 0.002
POND_(C-STRM)	STORAGE	0.550	4.200	0	12:09	1.59	15.3	- 0.104
S_504-503	STORAGE	0.021	0.021	0	12:00	0.0307	0.0307	0.073
S_525-MTD	STORAGE	0.220	0.220	0	12:00	0.316	0.316	0.088
S_528-525	STORAGE	0.231	0.231	0	12:00	0.334	0.334	0.054
S_532-528	STORAGE	0.117	0.117	0	12:00	0.169	0.169	0.057
S_536-532	STORAGE	0.255	0.255	0	12:00	0.369	0.369	0.035
S_540-536	STORAGE	0.122	0.122	0	12:00	0.177	0.177	0.127
S_545-541	STORAGE	0.467	0.467	0	12:00	0.675	0.675	0.033
S_607-605	STORAGE	0.875	0.875	0	12:00	1.26	1.26	0.000
S_620-619	STORAGE	0.248	0.248	0	12:00	0.356	0.356	0.070
S_622-619	STORAGE	0.170	0.170	0	12:00	0.244	0.244	0.000
S_623-622	STORAGE	0.286	0.286	0	12:00	0.411	0.411	0.000
S_627-630	STORAGE	0.099	0.099	0	12:00	0.142	0.142	0.000
S_652-604	STORAGE	0.285	0.285	0	12:00	0.409	0.409	0.156
Woodlot_North	STORAGE	0.020	0.020	0	12:00	0.0153	0.0153	- 0.013

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	8.5	0.0	0.0	0.001	19.4	0 11:45	0.145
502_(C-STRM)	0.000	2.2	0.0	0.0	0.001	29.4	0 12:01	0.835
503_(C-STRM)	0.000	1.7	0.0	0.0	0.001	28.7	0 12:00	0.714
504_(C-STRM)	0.000	11.2	0.0	0.0	0.001	31.8	0 12:01	0.674
505_(C-STRM)	0.000	9.6	0.0	0.0	0.001	27.7	0 12:00	0.630
506_(C-STRM)	0.000	9.9	0.0	0.0	0.001	27.8	0 12:00	0.581
507_(C-STRM)	0.000	9.6	0.0	0.0	0.001	26.3	0 12:01	0.449
508_(C-STRM)	0.000	9.6	0.0	0.0	0.001	26.9	0 12:01	0.448
509_(C-STRM)	0.000	9.8	0.0	0.0	0.001	27.7	0 12:01	0.451
510_(C-STRM)	0.000	10.0	0.0	0.0	0.001	25.4	0 12:00	0.454
511_(C-STRM)	0.000	10.1	0.0	0.0	0.001	25.7	0 12:00	0.455
512_(C-STRM)	0.000	9.9	0.0	0.0	0.001	27.3	0 12:00	0.423
513_(C-STRM)	0.000	9.9	0.0	0.0	0.001	25.2	0 12:00	0.435
514_(C-STRM)	0.000	7.2	0.0	0.0	0.001	14.5	0 12:01	0.019
515_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
516_(C-STRM)	0.000	10.1	0.0	0.0	0.001	27.0	0 12:01	0.305
517_(C-STRM)	0.000	10.3	0.0	0.0	0.001	28.9	0 12:00	0.308
518_(C-STRM)	0.000	11.0	0.0	0.0	0.001	33.4	0 12:00	0.314
519_(C-STRM)	0.000	10.7	0.0	0.0	0.001	27.9	0 12:00	0.116
520_(C-STRM)	0.000	11.4	0.0	0.0	0.001	22.4	0 12:00	0.088
522_(C-STRM)	0.000	9.9	0.0	0.0	0.001	19.0	0 12:00	0.064
525_(C-STRM)	0.000	2.7	0.0	0.0	0.001	47.3	0 12:02	1.171
528_(C-STRM)	0.000	1.6	0.0	0.0	0.002	51.8	0 12:02	0.974
532_(C-STRM)	0.000	1.2	0.0	0.0	0.002	53.4	0 12:02	0.795
536_(C-STRM)	0.000	1.3	0.0	0.0	0.002	53.7	0 12:02	0.699
540_(C-STRM)	0.000	10.9	0.0	0.0	0.002	57.7	0 12:02	0.497
541_(C-STRM)	0.000	10.4	0.0	0.0	0.002	56.3	0 12:03	0.395
551_(C-STRM)	0.000	8.2	0.0	0.0	0.001	26.3	0 12:00	0.152
552_(C-STRM)	0.000	7.9	0.0	0.0	0.001	23.3	0 12:00	0.146
553_(C-STRM)	0.000	8.2	0.0	0.0	0.001	18.7	0 12:03	0.135
554_(C-STRM)	0.000	5.9	0.0	0.0	0.001	15.5	0 12:02	0.035
555_(C-STRM)	0.000	5.5	0.0	0.0	0.000	10.0	0 12:04	0.011
556_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
601_(C-STRM)	0.000	1.8	0.0	0.0	0.001	22.7	0 12:03	3.646
602_(C-STRM)	0.000	2.1	0.0	0.0	0.002	33.5	0 12:03	3.643
603_(C-STRM)	0.000	2.1	0.0	0.0	0.002	35.3	0 12:03	3.597
604_(C-STRM)	0.000	1.7	0.0	0.0	0.002	30.5	0 12:03	3.610
605_(C-STRM)	0.000	4.4	0.0	0.0	0.001	18.3	0 12:03	0.668
619_(C-STRM)	0.000	1.5	0.0	0.0	0.002	28.5	0 12:02	2.778
622_(C-STRM)	0.000	1.7	0.0	0.0	0.002	32.6	0 12:02	2.613
626_(C-STRM)	0.000	7.1	0.0	0.0	0.000	11.7	0 12:02	0.018
627_(C-STRM)	0.000	6.5	0.0	0.0	0.001	14.9	0 12:01	0.101
629_(C-STRM)	0.000	1.8	0.0	0.0	0.001	25.7	0 12:02	1.879
630_(C-STRM)	0.000	1.7	0.0	0.0	0.001	24.2	0 12:02	1.965
630A_(C-STRM)	0.000	1.8	0.0	0.0	0.001	25.1	0 12:01	1.924
633_(C-STRM)	0.000	0.1	0.0	39.4	0.048	13.5	0 12:02	0.092
634_(C-STRM)	0.000	6.1	0.0	0.0	0.001	26.6	0 12:02	0.439
637_(C-STRM)	0.000	0.0	0.0	38.4	0.027	2.5	0 12:00	0.396
643_(C-STRM)	0.000	6.7	0.0	0.0	0.001	27.1	0 12:02	0.368
644_(C-STRM)	0.000	7.1	0.0	0.0	0.001	14.9	0 12:03	0.024
645_(C-STRM)	0.000	1.3	0.0	0.0	0.001	19.1	0 12:01	0.460
646_(C-STRM)	0.000	1.2	0.0	0.0	0.001	19.0	0 12:01	0.469
647_(C-STRM)	0.000	1.3	0.0	0.0	0.001	18.8	0 12:00	0.439
650_(C-STRM)	0.000	1.5	0.0	0.0	0.002	29.3	0 12:02	2.753
651_(C-STRM)	0.000	1.7	0.0	0.0	0.002	30.7	0 12:02	2.749
652_(C-STRM)	0.000	1.8	0.0	0.0	0.002	30.3	0 12:02	2.972
Filter_Bed	0.483	14.5	0.0	0.0	1.681	50.4	0 12:11	1.150
Industrial_NORTH	0.001	0.0	0.0	0.0	0.031	1.2	0 12:00	1.501
Industrial_South	0.000	0.0	0.0	0.0	0.012	1.6	0 12:00	0.433
MTD_(C-STRM)	0.000	5.3	0.0	0.0	0.001	39.2	0 12:01	1.926
OVERFLOW_(C-STRM)	0.000	8.9	0.0	0.0	0.001	32.2	0 11:45	1.998
PARK	0.000	0.0	0.0	0.0	0.003	0.6	0 12:02	0.047
POND_(C-STRM)	1.369	3.8	0.0	0.0	7.373	20.4	0 13:20	0.250
S_504-503	0.000	0.0	0.0	0.0	0.001	1.9	0 12:00	0.021
S_525-MTD	0.000	0.0	0.0	0.0	0.015	2.7	0 12:00	0.192
S_528-525	0.000	0.0	0.0	0.0	0.014	2.4	0 12:00	0.211
S_532-528	0.000	0.0	0.0	0.0	0.007	2.4	0 12:00	0.107
S_536-532	0.000	0.0	0.0	0.0	0.014	3.3	0 12:00	0.222
S_540-536	0.000	0.0	0.0	0.0	0.005	2.4	0 12:00	0.113
S_545-541	0.000	0.0	0.0	0.0	0.043	3.6	0 12:01	0.378
S_607-605	0.000	0.0	0.0	38.3	0.079	3.4	0 12:01	0.707
S_620-619	0.000	0.0	0.0	36.6	0.009	2.0	0 12:00	0.243
S_622-619	0.000	0.0	0.0	38.9	0.008	1.8	0 12:00	0.166
S_623-622	0.000	0.0	0.0	36.6	0.013	2.5	0 12:00	0.260
S_627-630	0.000	0.0	0.0	41.5	0.005	1.8	0 12:00	0.097
S_652-604	0.000	0.0	0.0	0.0	0.016	2.2	0 12:00	0.264
Woodlot_North	0.000	0.0	0.0	0.0	0.001	0.3	0 12:01	0.018

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	44.57	0.001	0.046	0.084
OF3	93.59	0.017	0.372	2.726
ST4_108A_(P-Stm)	93.91	0.094	0.250	15.281
System	58.02	0.112	0.595	18.090

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.060	0 12:00	0.94	0.90	0.51
BDR-C2	CONDUIT	0.070	0 12:00	1.06	1.34	0.53
BDR-C3	CONDUIT	0.075	0 12:18	1.61	0.38	0.29
BDR-C4	CONDUIT	0.287	0 12:05	1.89	0.09	0.19
C1	CHANNEL	0.000	0 12:00	0.06	0.00	0.02
C1_1	CHANNEL	0.000	0 12:00	0.06	0.00	0.02
C1_11	CHANNEL	0.000	0 12:00	0.23	0.00	0.02
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C1_4	CHANNEL	0.000	0 12:00	0.18	0.00	0.01
C1_5	CHANNEL	0.000	0 12:00	0.12	0.00	0.02
C1_6	CHANNEL	0.000	0 12:05	0.00	0.00	0.00
C1_7	CHANNEL	0.000	0 17:03	0.00	0.00	0.01
C1_8	CHANNEL	0.000	0 12:00	0.10	0.00	0.02
C1_9	CHANNEL	0.000	0 12:00	0.18	0.00	0.02
C2	CHANNEL	0.000	0 12:00	0.26	0.00	0.02
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.000	0 12:01	0.22	0.00	0.01
C2_11	CHANNEL	0.000	0 12:25	0.00	0.00	0.01
C2_12	CHANNEL	0.000	0 12:00	0.04	0.00	0.02
C2_13	CHANNEL	0.000	0 12:05	0.00	0.00	0.02
C2_14	CHANNEL	0.000	0 11:59	0.17	0.00	0.02
C2_15	CHANNEL	0.000	0 12:01	0.06	0.00	0.02
C2_16	CHANNEL	0.000	0 12:00	0.18	0.00	0.03
C2_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C2_2	CHANNEL	0.000	0 12:00	0.22	0.00	0.02
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C2_4	CHANNEL	0.000	0 12:02	0.00	0.00	0.01
C2_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_8	CHANNEL	0.000	0 11:57	0.21	0.00	0.03
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C3_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.02
C3_6	CHANNEL	0.000	0 12:00	0.08	0.00	0.04
C3_7	CHANNEL	0.000	0 12:00	0.08	0.00	0.04
C4	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C4_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C4_6	CHANNEL	0.000	0 12:00	0.51	0.00	0.02
C4_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C5_1	CHANNEL	0.064	0 12:00	0.26	0.01	0.10
C5_10	CHANNEL	0.059	0 12:00	0.42	0.02	0.18

C5_11	CHANNEL	0.055	0	12:05	0.19	0.02	0.21
C5_12	CHANNEL	0.372	0	12:00	0.93	0.03	0.19
C5_13	CHANNEL	0.061	0	12:02	0.50	0.02	0.18
C5_14	CHANNEL	0.056	0	12:06	0.14	0.04	0.25
C5_15	CHANNEL	0.068	0	12:08	0.31	0.02	0.19
C5_16	CHANNEL	0.064	0	12:14	0.33	0.02	0.13
C5_17	CHANNEL	0.063	0	12:16	0.20	0.01	0.13
C5_18	CHANNEL	0.000	0	16:58	0.00	0.00	0.00
C5_19	CHANNEL	0.069	0	12:05	0.33	0.05	0.18
C5_2	CHANNEL	0.055	0	12:04	0.47	0.01	0.14
C5_20	CHANNEL	0.066	0	12:21	0.19	0.01	0.14
C5_21	CHANNEL	0.000	0	00:00	0.00	0.00	0.16
C5_23	CHANNEL	0.063	0	12:00	0.24	0.01	0.11
C5_24	CHANNEL	0.000	0	23:52	0.00	0.00	0.00
C5_25	CHANNEL	0.000	1	05:33	0.00	0.00	0.01
C5_3	CHANNEL	0.061	0	12:01	0.42	0.00	0.14
C5_4	CHANNEL	0.053	0	12:06	0.43	0.00	0.10
C5_5	CHANNEL	0.053	0	12:08	0.57	0.00	0.09
C5_6	CHANNEL	0.054	0	12:05	0.59	0.00	0.08
C5_7	CHANNEL	0.120	0	12:14	0.35	0.01	0.17
C5_8	CHANNEL	0.051	0	12:12	0.16	0.00	0.16
C5_9	CHANNEL	0.255	0	12:07	0.57	0.02	0.20
C6	CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C7	CONDUIT	0.000	0	12:02	0.00	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT	0.305	0	12:01	1.09	0.81	0.74
C-STRM-1_(1)_(C-STRM) CONDUIT	0.308	0	12:00	1.00	0.95	0.80
C-STRM-1_(C-STRM) CONDUIT	0.314	0	12:00	1.17	1.32	0.91
C-STRM-100_(C-STRM) CONDUIT	0.145	0	11:45	1.25	0.33	0.43
C-STRM-101_(C-STRM) CONDUIT	0.145	0	11:45	1.39	0.33	0.40
C-STRM-102_(C-STRM) CONDUIT	1.939	0	12:01	4.42	1.00	0.77
C-STRM-105_(C-STRM) CONDUIT	0.460	0	12:01	1.04	0.66	0.78
C-STRM-106_(C-STRM) CONDUIT	0.365	0	12:00	1.09	0.85	0.85
C-STRM-107_(1)_(C-STRM) CONDUIT	2.972	0	12:02	1.49	0.84	0.89
C-STRM-107_(C-STRM) CONDUIT	2.749	0	12:02	1.33	0.78	0.92
C-STRM-2_(1)_(C-STRM) CONDUIT	0.423	0	12:00	1.45	0.75	0.76
C-STRM-2_(C-STRM) CONDUIT	0.425	0	12:00	1.45	0.75	0.76
C-STRM-20_(C-STRM) CONDUIT	0.018	0	12:02	0.87	0.06	0.25
C-STRM-21_(C-STRM) CONDUIT	0.101	0	12:01	1.21	0.33	0.41
C-STRM-22_(1)_(C-STRM) CONDUIT	1.679	0	12:01	1.78	0.69	0.78
C-STRM-22_(C-STRM) CONDUIT	1.965	0	12:00	1.68	0.72	0.73
C-STRM-23_(C-STRM) CONDUIT	0.439	0	12:03	1.20	0.79	0.87
C-STRM-26_(1)_(C-STRM) CONDUIT	0.152	0	12:08	0.73	0.45	1.00
C-STRM-26_(C-STRM) CONDUIT	0.146	0	11:56	0.80	0.44	0.94
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.581	0	12:00	1.56	0.74	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.449	0	12:02	1.64	0.75	0.75
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT	0.448	0	12:01	1.44	0.75	0.81
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT	0.451	0	12:01	1.43	0.76	0.83
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT	0.454	0	12:00	1.54	0.80	0.77
C-STRM-3_(1)_(C-STRM) CONDUIT	0.455	0	12:00	1.67	0.81	0.71
C-STRM-33_(1)_(C-STRM) CONDUIT	0.469	0	12:00	1.03	0.67	0.73
C-STRM-33_(C-STRM) CONDUIT	0.439	0	12:00	1.02	0.63	0.67
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT	0.014	0	12:02	0.29	0.08	0.30
C-STRM-34_(1)_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.10
C-STRM-35_(1)_(C-STRM) CONDUIT	0.132	0	11:58	0.91	0.54	0.77
C-STRM-35_(C-STRM) CONDUIT	0.054	0	12:00	0.34	0.22	0.59
C-STRM-4_(1)_(C-STRM) CONDUIT	0.674	0	12:01	1.97	0.78	0.73
C-STRM-4_(C-STRM) CONDUIT	0.630	0	12:00	1.67	0.80	0.79
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT	2.753	0	12:02	1.34	0.78	0.92
C-STRM-46_(1)_(C-STRM) CONDUIT	2.778	0	12:01	1.39	0.79	0.93
C-STRM-49_(C-STRM) CONDUIT	0.385	0	12:04	0.79	0.71	1.00
C-STRM-50_(C-STRM) CONDUIT	0.497	0	12:04	0.93	0.89	1.00
C-STRM-51_(C-STRM) CONDUIT	0.699	0	12:03	1.10	0.99	1.00
C-STRM-52_(C-STRM) CONDUIT	0.795	0	12:03	1.07	0.91	1.00
C-STRM-53_(C-STRM) CONDUIT	0.974	0	12:03	1.30	1.12	1.00
C-STRM-57_(C-STRM) CONDUIT	0.714	0	12:00	0.96	0.82	1.00
C-STRM-60_(C-STRM) CONDUIT	0.024	0	12:04	0.39	0.17	0.54
C-STRM-62_(C-STRM) CONDUIT	0.088	0	11:58	0.88	0.69	0.76
C-STRM-63_(C-STRM) CONDUIT	0.116	0	12:01	0.59	0.69	0.96
C-STRM-64_(C-STRM) CONDUIT	0.064	0	12:00	0.92	0.73	0.61
C-STRM-76_(C-STRM) CONDUIT	1.171	0	12:03	1.57	1.17	1.00
C-STRM-77_(C-STRM) CONDUIT	1.926	0	12:02	2.39	1.00	0.88
C-STRM-78_(C-STRM) CONDUIT	0.835	0	12:00	1.12	0.68	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT	3.610	0	12:02	1.61	0.99	0.83
C-STRM-79_(C-STRM) CONDUIT	0.668	0	12:04	1.65	0.95	0.74
C-STRM-8_(1)_(C-STRM) CONDUIT	0.319	0	12:03	0.25	0.10	0.46
C-STRM-8_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.09
C-STRM-80_(C-STRM) CONDUIT	3.597	0	12:03	1.70	0.99	0.78
C-STRM-81_(C-STRM) CONDUIT	3.643	0	12:03	2.02	1.00	0.67
C-STRM-82_(C-STRM) CONDUIT	3.646	0	12:04	2.59	1.00	0.54
C-STRM-83_(1)_(C-STRM) CONDUIT	1.924	0	12:00	1.61	0.70	0.70
C-STRM-84_(C-STRM) CONDUIT	2.613	0	12:01	1.32	0.74	0.94
C-STRM-87_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.13
CVR-C2 CONDUIT	0.053	0	12:07	1.54	0.20	0.27
CVR-C3 CONDUIT	0.124	0	12:11	2.10	0.76	0.48
CVR-C4 CONDUIT	0.255	0	12:07	1.95	0.08	0.17
ST4-Pipe_-_(99)_(P-Stm) CONDUIT	0.250	0	13:21	1.19	0.26	0.37
W1 CHANNEL	1.124	0	12:11	0.68	0.00	0.03
OR1 ORIFICE	0.250	0	13:20			1.00
OR2 ORIFICE	0.000	0	00:00			0.00
W10 WEIR	0.000	0	00:00			0.00
W11 WEIR	0.000	0	00:00			0.00
W12 WEIR	0.000	0	00:00			0.00
W13 WEIR	0.000	0	00:00			0.00
W14 WEIR	0.000	0	00:00			0.00
W15 WEIR	0.000	0	00:00			0.00
W16 WEIR	0.000	0	00:00			0.00
W17 WEIR	0.000	0	00:00			0.00
W2 WEIR	0.000	0	00:00			0.00
W3 WEIR	0.000	0	00:00			0.00
W4 WEIR	0.000	0	00:00			0.00
W5 WEIR	0.000	0	00:00			0.00
W6 WEIR	0.000	0	00:00			0.00
W7 WEIR	0.000	0	00:00			0.00
W8 WEIR	0.000	0	00:00			0.00
W9 WEIR	0.000	0	00:00			0.00
C-STRM-108_(1)_(C-STRM) DUMMY	0.085	0	12:02			
C-STRM-14_(1)_(C-STRM) DUMMY	0.664	0	11:56			
C-STRM-27_(C-STRM) DUMMY	0.248	0	11:57			
C-STRM-42_(C-STRM) DUMMY	0.378	0	11:55			
C-STRM-44_(1)_(C-STRM) DUMMY	0.192	0	11:57			
C-STRM-45_(1)_(C-STRM) DUMMY	0.233	0	12:00			
C-STRM-61_(C-STRM) DUMMY	0.374	0	11:57			
C-STRM-71_(C-STRM) DUMMY	0.433	0	12:00			
C-STRM-83_(C-STRM) DUMMY	1.501	0	12:00			
C-STRM-93_(C-STRM) DUMMY	0.113	0	11:57			
C-STRM-96_(1)_(C-STRM) DUMMY	0.222	0	11:56			
C-STRM-97_(1)_(C-STRM) DUMMY	0.107	0	11:57			
C-STRM-98_(1)_(C-STRM) DUMMY	0.211	0	11:57			
OL1 DUMMY	0.157	0	12:00			
OL10 DUMMY	0.026	0	04:15			
OL11 DUMMY	0.062	0	12:00			
OL12 DUMMY	0.175	0	12:00			
OL13 DUMMY	0.041	0	12:00			
OL14 DUMMY	0.153	0	12:00			
OL15 DUMMY	0.245	0	12:00			
OL16 DUMMY	0.065	0	12:00			
OL17 DUMMY	0.090	0	12:00			
OL18 DUMMY	0.014	0	11:56			
OL19 DUMMY	0.054	0	12:00			
OL2 DUMMY	0.143	0	12:00			
OL20 DUMMY	0.021	0	12:00			
OL21 DUMMY	0.047	0	12:02			
OL22 DUMMY	0.021	0	12:00			
OL3 DUMMY	0.035	0	12:00			
OL4 DUMMY	0.068	0	12:00			
OL5 DUMMY	0.064	0	12:00			
OL6 DUMMY	0.018	0	12:01			
OL7 DUMMY	0.090	0	12:00			
OL8 DUMMY	0.264	0	11:58			
OL9 DUMMY	0.045	0	12:00			

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.47	0.00
BDR-C2	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.34	0.00
BDR-C3	1.00	0.06	0.00	0.00	0.40	0.54	0.00	0.00	0.00	0.00
BDR-C4	1.00	0.06	0.00	0.00	0.69	0.25	0.00	0.00	0.89	0.00
C1	1.00	0.53	0.02	0.00	0.45	0.00	0.00	0.00	0.75	0.00
C1_1	1.00	0.52	0.02	0.00	0.46	0.00	0.00	0.00	0.75	0.00
C1_11	1.00	0.55	0.01	0.00	0.43	0.02	0.00	0.00	0.00	0.00
C1_2	1.00	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.06	0.49	0.00	0.44	0.01	0.00	0.00	0.75	0.00
C1_5	1.00	0.54	0.00	0.00	0.44	0.01	0.00	0.00	0.01	0.00
C1_6	1.00	0.24	0.00	0.00	0.67	0.09	0.00	0.00	0.66	0.00
C1_7	1.00	0.06	0.19	0.00	0.62	0.13	0.00	0.00	0.05	0.00
C1_8	1.00	0.54	0.01	0.00	0.43	0.01	0.00	0.00	0.76	0.00
C1_9	1.00	0.54	0.01	0.00	0.43	0.02	0.00	0.00	0.74	0.00
C2	1.00	0.55	0.00	0.00	0.00	0.00	0.00	0.00	0.45	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.24	0.00	0.00	0.75	0.01	0.00	0.00	0.74	0.00
C2_11	1.00	0.14	0.10	0.00	0.53	0.23	0.00	0.00	0.00	0.00
C2_12	1.00	0.14	0.49	0.00	0.36	0.01	0.00	0.00	0.75	0.00
C2_13	1.00	0.06	0.13	0.00	0.76	0.05	0.00	0.00	0.01	0.00
C2_14	1.00	0.55	0.49	0.00	0.44	0.01	0.00	0.00	0.75	0.00
C2_15	1.00	0.06	0.18	0.00	0.64	0.11	0.00	0.00	0.01	0.00
C2_16	1.00	0.55	0.00	0.00	0.43	0.01	0.00	0.00	0.01	0.00
C2_18	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_2	1.00	0.06	0.49	0.00	0.44	0.01	0.00	0.00	0.75	0.00
C2_3	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.24	0.00	0.00	0.70	0.05	0.00	0.00	0.70	0.00
C2_5	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_8	1.00	0.06	0.50	0.00	0.44	0.01	0.00	0.00	0.75	0.00
C2_9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_2	1.00	0.55	0.45	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_6	1.00	0.54	0.01	0.00	0.45	0.00	0.00	0.00	0.75	0.00
C3_7	1.00	0.55	0.00	0.00	0.45	0.00	0.00	0.00	0.01	0.00
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_6	1.00	0.55	0.00	0.00	0.43	0.01	0.00	0.00	0.00	0.00
C4_7	1.00	0.81	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_1	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.61	0.00
C5_10	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.00	0.92	0.00
C5_11	1.00	0.06	0.01	0.00	0.93	0.00	0.00	0.00	0.59	0.00
C5_12	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.07	0.00	0.00	0.54	0.40	0.00	0.00	0.00	0.00
C5_14	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.33	0.00
C5_15	1.00	0.06	0.00	0.00	0.92	0.02	0.00	0.00	0.90	0.00
C5_16	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.06	0.04	0.00	0.90	0.00	0.00	0.00	0.90	0.00
C5_18	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_19	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.39	0.00
C5_2	1.00	0.08	0.00	0.00	0.66	0.25	0.00	0.00	0.00	0.00
C5_20	1.00	0.06	0.01	0.00	0.94	0.00	0.00	0.00	0.94	0.00
C5_21	1.00	0.06	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.07	0.00	0.00	0.83	0.11	0.00	0.00	0.41	0.00
C5_24	1.00	0.28	0.00	0.00	0.55	0.17	0.00	0.00	0.42	0.00
C5_25	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00
C5_3	1.00	0.07	0.00	0.00	0.92	0.01	0.00	0.00	0.90	0.00
C5_4	1.00	0.10	0.00	0.00	0.90	0.00	0.00	0.00	0.89	0.00
C5_5	1.00	0.11	0.00	0.00	0.88	0.01	0.00	0.00	0.01	0.00
C5_6	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00	0.65	0.00
C5_7	1.00	0.06	0.01	0.00	0.93	0.00	0.00	0.00	0.93	0.00
C5_8	1.00	0.06	0.06	0.00	0.88	0.00	0.00	0.00	0.88	0.00
C5_9	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.87	0.00
C6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C7	1.00	0.81	0.00	0.00	0.00	0.00	0.00	0.19	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.06	0.01	0.00	0.93	0.00	0.00	0.00	0.11	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.01	0.21	0.00
C-STRM-1_(C-STRM)	1.00	0.06	0.00	0.00	0.01	0.00	0.00	0.93	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.22	0.66	0.00	0.10	0.00	0.00	0.02	0.72	0.00
C-STRM-101_(C-STRM)	1.00	0.23	0.00	0.00	0.00	0.00	0.00	0.77	0.00	0.00
C-STRM-102_(C-STRM)	1.00	0.06	0.00	0.00	0.81	0.13	0.00	0.00	0.03	0.00
C-STRM-105_(C-STRM)	1.00	0.06	0.00	0.00	0.01	0.00	0.00	0.93	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.74	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.02	0.00	0.00	0.92	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.34	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.49	0.00
C-STRM-2_(C-STRM)	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.00	0.49	0.00
C-STRM-20_(C-STRM)	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-21_(C-STRM)	1.00	0.25	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.01	0.00	0.00	0.93	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.87	0.00
C-STRM-23_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.75	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.07	0.00	0.00	0.02	0.00	0.00	0.91	0.00	0.00
C-STRM-26_(C-STRM)	1.00	0.06	0.01	0.00	0.92	0.00	0.00	0.00	0.91	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.08	0.00	0.00	0.01	0.00	0.00	0.92	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.50	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.01	0.37	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.07	0.00	0.00	0.93	0.00	0.00	0.00	0.13	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.07	0.00	0.00	0.92	0.00	0.00	0.01	0.41	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.91	0.00
C-STRM-33_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.77	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.25	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.01	0.00	0.00	0.93	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.06	0.82	0.00	0.12	0.00	0.00	0.00	0.75	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.06	0.01	0.00	0.90	0.03	0.00	0.00	0.51	0.00
C-STRM-46_(1)_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.84	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.46	0.00
C-STRM-49_(C-STRM)	1.00	0.07	0.25	0.00	0.68	0.00	0.00	0.00	0.89	0.00
C-STRM-50_(C-STRM)	1.00	0.07	0.00	0.00	0.02	0.00	0.00	0.91	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.06	0.00	0.00	0.02	0.00	0.00	0.92	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.78	0.00
C-STRM-53_(C-STRM)	1.00	0.06	0.12	0.00	0.82	0.00	0.00	0.00	0.00	0.00
C-STRM-57_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.45	0.00
C-STRM-60_(C-STRM)	1.00	0.25	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.06	0.00	0.00	0.01	0.00	0.00	0.93	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.07	0.00	0.00	0.04	0.00	0.00	0.89	0.01	0.00
C-STRM-64_(C-STRM)	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.93	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.06	0.00	0.00	0.42	0.00	0.00	0.52	0.09	0.00
C-STRM-77_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.37	0.00
C-STRM-78_(C-STRM)	1.00	0.06	0.00	0.00	0.41	0.00	0.00	0.53	0.08	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.43	0.00
C-STRM-79_(C-STRM)	1.00	0.24	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-8_(C-STRM)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.81	0.00
C-STRM-81_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.45	0.00
C-STRM-82_(C-STRM)	1.00	0.06	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00
C-STRM-83_(1)

C-STRM-26_(1)_(C-STRM)	0.03	0.03	0.12	0.01	0.01
C-STRM-26_(C-STRM)	0.01	0.01	0.03	0.01	0.01
C-STRM-49_(C-STRM)	0.16	0.16	0.16	0.01	0.01
C-STRM-50_(C-STRM)	0.16	0.16	0.17	0.01	0.10
C-STRM-51_(C-STRM)	0.17	0.17	0.17	0.01	0.16
C-STRM-52_(C-STRM)	0.17	0.17	0.18	0.01	0.14
C-STRM-53_(C-STRM)	0.17	0.18	0.17	0.12	0.17
C-STRM-57_(C-STRM)	0.12	0.12	0.12	0.01	0.12
C-STRM-63_(C-STRM)	0.01	0.01	0.07	0.01	0.01
C-STRM-76_(C-STRM)	0.15	0.17	0.15	0.13	0.15
C-STRM-77_(C-STRM)	0.01	0.15	0.01	0.01	0.01
C-STRM-78_(C-STRM)	0.12	0.12	0.15	0.01	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.02	0.01

Analysis begun on: Thu Jun 25 09:02:46 2026
Analysis ended on: Thu Jun 25 09:04:19 2026
Total elapsed time: 00:01:33

Post-Development 1:5 year 24-hour SCS Event

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                  Data       Recording
  Name                 Data Source                Type       Interval
  -------------------------------------------------------------------
  24SCS100             24SCS100                   INTENSITY   15 min.
  6SCS050              6SCS050                    INTENSITY   15 min.
  Rainfall             SCS_24h_5                  INTENSITY   15 min.


  *********************
  Subcatchment Summary
  *********************
  Name                 Area     Width   %Imperv    %Slope Rain Gage            Outlet
  ------------------------------------------------------------------------------------
--------------
  A15_1                1.31     13.10     18.98    0.5000 Rainfall             EXD_8
  A15_2                2.15     13.10     18.98    0.5000 Rainfall             EXD_12
  A18                  0.59    338.21     39.12    0.5000 Rainfall             EXD_25
  A19                  1.11    332.78     22.32    0.5000 Rainfall             EXD_20
  A20                  4.83    279.76      8.37    1.5000 Rainfall             EXD_15
  NULL3                0.57    312.75     83.33    1.4500 Rainfall             EXD_27
  S1                   6.51   1465.85     64.29    2.0000 Rainfall             S_607-605
  S1_1                 0.09    154.58     71.43    2.0000 Rainfall             J19
  S1_2                 0.14    147.72     71.43    2.0000 Rainfall             J21
  S10_1                1.84    414.84     64.29    2.0000 Rainfall             S_620-619
  S10_2                2.13    479.37     64.29    2.0000 Rainfall             S_623-622
  S10_4                0.74    165.67     64.29    2.0000 Rainfall             S_627-630
  S10_5                1.26    284.06     64.29    2.0000 Rainfall             S_622-619
  S11                  3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                  0.44    346.44     71.43    2.0000 Rainfall             J2
  S14_1                0.60    371.55     71.43    2.0000 Rainfall             J27
  S14_3                1.06    381.29     71.43    2.0000 Rainfall             J57
  S14_4                0.31    138.84     71.43    2.0000 Rainfall             J47
  S14_5                1.69    653.02     71.43    2.0000 Rainfall             J28
  S14_6                0.28    141.02     71.43    2.0000 Rainfall             J58
  S14_7                1.19    549.94     71.43    2.0000 Rainfall             J60
  S14_8                0.43    191.40     71.43    2.0000 Rainfall             J50
  S15                  1.64    368.26     64.29    2.0000 Rainfall             S_525-MTD
  S16_1                0.46     16.60    100.00    0.5000 Rainfall             EXD_10
  S16_2                0.99     16.60    100.00    0.5000 Rainfall             EXD_8
  S17                  6.26    202.00      3.33    0.5000 Rainfall             EXD_7
  S18_2                3.35    754.05     67.14    2.0000 Rainfall             S_545-541
  S18_3                1.66    372.76     67.14    2.0000 Rainfall             S_528-525
  S18_4                0.88    197.06     67.14    2.0000 Rainfall             S_540-536
  S18_5                1.83    412.02     67.14    2.0000 Rainfall             S_536-532
  S18_6                0.84    188.96     67.14    2.0000 Rainfall             S_532-528
  S19                  0.97    462.04     71.43    2.0000 Rainfall             J35
  S2                   0.37    154.58     71.43    2.0000 Rainfall             J20
  S2_1                 3.14    707.17     67.14    2.0000 Rainfall             637_(C-
STRM)
  S2_2                 1.01    228.16     67.14    2.0000 Rainfall             633_(C-
STRM)
  S20_1                0.45    284.74     71.43    2.0000 Rainfall             J42
  S20_2                0.24    137.80     71.43    2.0000 Rainfall             J38
  S3                   2.12    476.98     64.29    2.0000 Rainfall             S_652-604
  S32_1                0.43    369.16     71.43    2.0000 Rainfall             J43
  S32_2                0.16     35.80     64.29    2.0000 Rainfall             S_504-503
  S36                  1.82     21.00    100.00    0.5000 Rainfall             EXD_10
  S4                  13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                   3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                   0.34    261.05     57.14    2.0000 Rainfall             OF2
  S7                   3.99    402.80     85.71    0.5000 Rainfall             POND_(C-
STRM)
  S8                   1.60    121.93     35.71    2.0000 Rainfall             PARK


  ************
  Node Summary
  ************
                                          Invert     Max.    Ponded    External
  Name                 Type                Elev.    Depth     Area    Inflow
  ---------------------------------------------------------------------------
  EXD_1                JUNCTION           104.39     1.51      0.0
  EXD_10               JUNCTION            98.65     1.20      0.0
  EXD_11               JUNCTION            98.50     1.20      0.0
  EXD_12               JUNCTION            98.31     1.20      0.0
  EXD_13               JUNCTION           104.32     1.10      0.0
  EXD_14               JUNCTION           102.49     0.80      0.0
  EXD_15               JUNCTION           100.27     0.80      0.0
  EXD_16               JUNCTION           100.20     0.80      0.0
  EXD_17               JUNCTION            99.89     0.80      0.0
  EXD_18               JUNCTION            99.40     0.84      0.0
  EXD_19               JUNCTION            99.19     0.88      0.0
  EXD_2                JUNCTION           103.47     1.93      0.0
  EXD_20               JUNCTION            99.19     0.88      0.0
  EXD_21               JUNCTION            99.18     0.88      0.0
  EXD_22               JUNCTION            99.14     0.88      0.0
  EXD_23               JUNCTION            98.75     1.14      0.0
  EXD_24               JUNCTION            98.67     1.14      0.0
  EXD_25               JUNCTION            98.52     1.13      0.0
  EXD_26               JUNCTION            98.48     1.13      0.0
  EXD_27               JUNCTION            98.17     1.20      0.0
  EXD_3                JUNCTION           103.19     1.41      0.0
  EXD_4                JUNCTION           102.64     1.20      0.0
  EXD_5                JUNCTION           102.50     1.20      0.0
  EXD_6                JUNCTION           102.32     1.08      0.0
  EXD_7                JUNCTION           101.50     1.06      0.0
  EXD_8                JUNCTION           100.48     1.06      0.0
  EXD_9                JUNCTION           100.39     1.06      0.0
  J1                   JUNCTION           103.45     0.50      0.0
  J13                  JUNCTION           103.30     0.50      0.0
  J17                  JUNCTION           104.37     1.04      0.0
  J19                  JUNCTION           105.60     0.50      0.0
  J2                   JUNCTION           109.00     0.50      0.0
  J20                  JUNCTION           105.80     0.50      0.0
  J21                  JUNCTION           105.90     0.50      0.0
  J22                  JUNCTION           106.00     0.50      0.0
  J23                  JUNCTION           106.20     0.50      0.0
  J27                  JUNCTION           109.00     0.50      0.0
  J28                  JUNCTION           108.80     0.50      0.0
  J3                   JUNCTION           103.70     0.50      0.0
  J31                  JUNCTION           106.00     0.50      0.0
  J35                  JUNCTION           104.70     0.50      0.0
  J36                  JUNCTION           104.93     0.50      0.0
  J37                  JUNCTION           104.65     0.50      0.0
  J38                  JUNCTION           104.60     0.50      0.0
  J39                  JUNCTION           104.45     0.50      0.0
  J4                   JUNCTION           103.60     0.50      0.0
  J40                  JUNCTION           103.20     0.50      0.0
  J42                  JUNCTION           104.20     0.50      0.0
  J43                  JUNCTION           104.50     0.50      0.0
  J45                  JUNCTION           104.60     0.50      0.0
  J46                  JUNCTION           105.10     0.50      0.0
  J47                  JUNCTION           105.75     0.50      0.0
  J49                  JUNCTION           105.30     0.50      0.0
  J5                   JUNCTION           103.50     0.50      0.0
  J50                  JUNCTION           106.75     0.50      0.0
  J51                  JUNCTION           109.75     0.50      0.0
  J52                  JUNCTION           109.00     0.50      0.0
  J55                  JUNCTION           109.10     0.50      0.0
  J56                  JUNCTION           108.47     0.50      0.0
  J57                  JUNCTION           108.40     0.50      0.0
  J58                  JUNCTION           108.00     0.50      0.0
  J6                   JUNCTION           103.40     0.50      0.0
  J60                  JUNCTION           107.00     0.50      0.0
  J61                  JUNCTION           106.50     0.50      0.0
  J62                  JUNCTION           105.70     0.50      0.0
  J63                  JUNCTION           105.20     0.50      0.0
  J66                  JUNCTION           107.75     0.50      0.0
  J67                  JUNCTION           107.50     0.50      0.0
  J74                  JUNCTION            98.45     0.90      0.0
  OF1                  OUTFALL            100.80     0.00      0.0
  OF2                  OUTFALL              0.00     0.00      0.0
  OF3                  OUTFALL             98.00     1.06      0.0
  ST4_108A_(P-Stm)     OUTFALL             98.02     1.19      0.0
  500_(C-STRM)         STORAGE            100.37     2.79      0.0
  502_(C-STRM)         STORAGE            100.57     3.70      0.0
  503_(C-STRM)         STORAGE            100.61     3.91      0.0
  504_(C-STRM)         STORAGE            103.06     2.80      0.0
  505_(C-STRM)         STORAGE            103.48     3.27      0.0
  506_(C-STRM)         STORAGE            103.83     3.15      0.0
  507_(C-STRM)         STORAGE            104.17     3.19      0.0
  508_(C-STRM)         STORAGE            104.39     3.18      0.0
  509_(C-STRM)         STORAGE            104.62     3.12      0.0
  510_(C-STRM)         STORAGE            104.87     3.06      0.0
  511_(C-STRM)         STORAGE            104.94     3.06      0.0
  512_(C-STRM)         STORAGE            105.14     3.10      0.0
  513_(C-STRM)         STORAGE            105.27     3.12      0.0
  514_(C-STRM)         STORAGE            105.61     3.13      0.0
  515_(C-STRM)         STORAGE            105.88     3.22      0.0
  516_(C-STRM)         STORAGE            105.48     3.03      0.0
  517_(C-STRM)         STORAGE            105.64     3.00      0.0
  518_(C-STRM)         STORAGE            105.88     2.90      0.0
  519_(C-STRM)         STORAGE            106.10     2.79      0.0
  520_(C-STRM)         STORAGE            106.37     2.63      0.0
  522_(C-STRM)         STORAGE            104.31     3.00      0.0
  525_(C-STRM)         STORAGE            100.58     2.72      0.0
  528_(C-STRM)         STORAGE            100.70     2.71      0.0
  532_(C-STRM)         STORAGE            100.80     2.70      0.0
  536_(C-STRM)         STORAGE            100.95     2.65      0.0
  540_(C-STRM)         STORAGE            100.83     2.87      0.0
  541_(C-STRM)         STORAGE            100.91     2.92      0.0
  551_(C-STRM)         STORAGE            100.67     3.79      0.0
  552_(C-STRM)         STORAGE            100.77     3.86      0.0
  553_(C-STRM)         STORAGE            100.96     3.76      0.0
  554_(C-STRM)         STORAGE            101.08     3.89      0.0
  555_(C-STRM)         STORAGE            101.27     4.08      0.0
  556_(C-STRM)         STORAGE            101.39     4.21      0.0
  601_(C-STRM)         STORAGE            100.43     4.45      0.0
  602_(C-STRM)         STORAGE            100.48     4.16      0.0
  603_(C-STRM)         STORAGE            100.55     3.99      0.0
  604_(C-STRM)         STORAGE            100.63     5.14      0.0
  605_(C-STRM)         STORAGE            101.38     5.35      0.0
  619_(C-STRM)         STORAGE            101.12     5.40      0.0
  622_(C-STRM)         STORAGE            101.24     4.78      0.0
  626_(C-STRM)         STORAGE            104.00     3.20      0.0
  627_(C-STRM)         STORAGE            103.20     3.50      0.0
  629_(C-STRM)         STORAGE            101.71     4.40      0.0
  630_(C-STRM)         STORAGE            101.83     4.37      0.0
  630A_(C-STRM)        STORAGE            101.88     4.12      0.0
  633_(C-STRM)         STORAGE            105.30     0.50      0.0
  634_(C-STRM)         STORAGE            101.88     3.82      0.0
  637_(C-STRM)         STORAGE            105.35     0.50      0.0
  643_(C-STRM)         STORAGE            102.07     3.45      0.0
  644_(C-STRM)         STORAGE            102.54     3.17      0.0
  645_(C-STRM)         STORAGE            102.30     3.61      0.0
  646_(C-STRM)         STORAGE            102.43     3.34      0.0
  647_(C-STRM)         STORAGE            102.57     3.03      0.0
  650_(C-STRM)         STORAGE            100.99     5.17      0.0
  651_(C-STRM)         STORAGE            100.89     4.99      0.0
  652_(C-STRM)         STORAGE            100.87     4.97      0.0
  Filter_Bed           STORAGE            100.10     1.48      0.0
  Industrial_NORTH     STORAGE            105.20     0.50      0.0
  Industrial_South     STORAGE            105.00     0.50      0.0
  MTD_(C-STRM)         STORAGE            100.36     3.02      0.0
  OVERFLOW_(C-STRM)    STORAGE            100.17     2.83      0.0
  PARK                 STORAGE            105.36     0.50      0.0
  POND_(C-STRM)        STORAGE             98.45     2.65      0.0    Yes
  S_504-503            STORAGE            105.75     0.50      0.0
  S_525-MTD            STORAGE            103.45     0.50      0.0
  S_528-525            STORAGE            103.50     0.50      0.0
  S_532-528            STORAGE            103.65     0.50      0.0
  S_536-532            STORAGE            103.70     0.50      0.0
  S_540-536            STORAGE            103.85     0.50      0.0
  S_545-541            STORAGE            103.90     0.50      0.0
  S_607-605            STORAGE            107.90     0.50      0.0
  S_620-619            STORAGE            106.90     0.50      0.0
  S_622-619            STORAGE            106.00     0.50      0.0
  S_623-622            STORAGE            106.50     0.50      0.0
  S_627-630            STORAGE            106.70     0.50      0.0
  S_652-604            STORAGE            105.85     0.50      0.0
  Woodlot_North        STORAGE            106.75     0.50      0.0


  ************
  Link Summary
  ************
  Name                 From Node          To Node            Type          Length    %Slope
Roughness
  ---------------------------------------------------------------------------------------
-
  BDR-C1               EXD_15             EXD_16             CONDUIT         17.7    0.3844
0.0250
  BDR-C2               EXD_20             EXD_21             CONDUIT          7.9    0.0632
0.0130
  BDR-C3               EXD_25             EXD_26             CONDUIT         14.2    0.2683
0.0130
  BDR-C4               EXD_12             EXD_27             CONDUIT         23.0    0.6077
0.0130
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C1	J27	J28	CONDUIT	185.8	0.1077
0.0130					
C1_1	J28	J57	CONDUIT	329.5	0.1214
0.0130					
C1_11	J47	J43	CONDUIT	75.0	1.6661
0.0130					
C1_2	J55	J57	CONDUIT	190.6	0.3672
0.0130					
C1_3	J56	J57	CONDUIT	40.0	0.1748
0.0130					
C1_4	J58	J66	CONDUIT	70.2	0.3562
0.0130					
C1_5	J57	J58	CONDUIT	76.8	0.5205
0.0130					
C1_6	J66	J67	CONDUIT	70.0	0.3571
0.0130					
C1_7	J67	J60	CONDUIT	69.8	0.7166
0.0130					
C1_8	J60	J50	CONDUIT	73.0	0.3424
0.0130					
C1_9	J50	J47	CONDUIT	92.6	1.0800
0.0130					
C2	J2	EXD_1	CONDUIT	173.2	1.9632
0.0130					
C2_1	J51	J52	CONDUIT	39.5	1.8977
0.0130					
C2_10	J63	J36	CONDUIT	39.5	0.6883
0.0130					
C2_11	J36	J35	CONDUIT	72.0	0.3166
0.0130					
C2_12	J35	J37	CONDUIT	45.5	0.1098
0.0130					
C2_13	J37	J38	CONDUIT	28.9	0.1729
0.0130					
C2_14	J38	J39	CONDUIT	44.0	0.3457
0.0130					
C2_15	J39	J42	CONDUIT	72.0	0.3442
0.0130					
C2_16	J43	J42	CONDUIT	31.1	0.9633
0.0130					
C2_18	J45	J43	CONDUIT	70.2	0.1425
0.0130					
C2_2	J60	J61	CONDUIT	75.0	0.6666
0.0130					
C2_3	J52	J60	CONDUIT	165.4	1.2090
0.0130					
C2_4	J61	J31	CONDUIT	72.0	0.6944
0.0130					
C2_5	J23	J31	CONDUIT	163.3	0.1225
0.0130					
C2_7	J23	J22	CONDUIT	27.9	0.7165
0.0130					
C2_8	J19	J63	CONDUIT	110.8	0.3610
0.0130					
C2_9	J46	J45	CONDUIT	93.4	0.5355
0.0130					
C3	J3	J4	CONDUIT	72.6	0.1378
0.0130					
C3_2	J22	J21	CONDUIT	73.0	0.1370
0.0130					
C3_6	J21	J20	CONDUIT	75.8	0.1319
0.0130					
C3_7	J20	J19	CONDUIT	112.3	0.1781
0.0130					
C4	J4	J5	CONDUIT	49.7	0.2012
0.0130					
C4_5	J1	J13	CONDUIT	118.4	0.1267
0.0130					
C4_6	J42	J40	CONDUIT	45.9	2.1776
0.0130					
C4_7	J13	J40	CONDUIT	64.4	0.1553
0.0130					
C5	J5	J6	CONDUIT	68.4	0.1461
0.0130					
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054
0.0250					
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866
0.0250					
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893
0.0250					
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098
0.0250					
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876
0.0250					
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550
0.0250					
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893
0.0250					
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781
0.0250					
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645
0.0250					
C5_18	J31	J62	CONDUIT	71.0	0.4225
0.0130					
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558
0.0250					
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933
0.0250					
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645
0.0250					
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626
0.0250					
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299
0.0250					
C5_24	J62	J49	CONDUIT	91.3	0.4382
0.0130					
C5_25	J49	J38	CONDUIT	76.5	0.9152
0.0130					
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195
0.0250					
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880
0.0250					
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893
0.0250					
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871
0.0250					
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091
0.0250					
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095
0.0250					
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087
0.0250					
C6	J6	J13	CONDUIT	71.5	0.1398
0.0130					
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144
0.0130					
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998
0.0130					
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500
0.0130					
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500
0.0130					
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	CONDUIT	26.4	0.4998
0.0130					
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021
0.0130					
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	CONDUIT	14.0	0.5008
0.0130					
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502
0.0130					
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502
0.0130					
C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495
0.0130					
C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498
0.0130					
C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502
0.0130					
C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002
0.0130					
C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995
0.0130					
C-STRM-22_(1)_(C-STRM)	629_(C-STRM)	622_(C-STRM)	CONDUIT	81.4	0.1499
0.0130					
C-STRM-22_(C-STRM)	630_(C-STRM)	629_(C-STRM)	CONDUIT	82.1	0.1498
0.0130					
C-STRM-23_(C-STRM)	634_(C-STRM)	622_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-26_(1)_(C-STRM)	551_(C-STRM)	502_(C-STRM)	CONDUIT	60.8	0.1613
0.0130					
C-STRM-26_(C-STRM)	552_(C-STRM)	551_(C-STRM)	CONDUIT	60.3	0.1593
0.0130					
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	506_(C-STRM)	505_(C-STRM)	CONDUIT		
70.0	0.4998	0.0130			
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	507_(C-STRM)	506_(C-STRM)	CONDUIT	51.7	
0.5005	0.0130				
C-STRM-3_(1)_(1)_(1)_(C-STRM)	508_(C-STRM)	507_(C-STRM)	CONDUIT	45.5	
0.5011	0.0130				
C-STRM-3_(1)_(1)_(C-STRM)	509_(C-STRM)	508_(C-STRM)	CONDUIT	45.5	0.4989
0.0130					
C-STRM-3_(1)_(2)_(C-STRM)	510_(C-STRM)	509_(C-STRM)	CONDUIT	55.7	0.4507
0.0130					
C-STRM-3_(1)_(C-STRM)	511_(C-STRM)	510_(C-STRM)	CONDUIT	14.5	0.4469
0.0130					
C-STRM-33_(1)_(C-STRM)	646_(C-STRM)	645_(C-STRM)	CONDUIT	91.0	0.1505
0.0130					
C-STRM-33_(C-STRM)	647_(C-STRM)	646_(C-STRM)	CONDUIT	92.9	0.1496
0.0130					
C-STRM-34_(1)_(1)_(C-STRM)	555_(C-STRM)	554_(C-STRM)	CONDUIT	75.2	
0.1596	0.0130				
C-STRM-34_(1)_(C-STRM)	556_(C-STRM)	555_(C-STRM)	CONDUIT	75.2	0.1596
0.0130					
C-STRM-35_(1)_(C-STRM)	553_(C-STRM)	552_(C-STRM)	CONDUIT	72.1	0.1596
0.0130					
C-STRM-35_(C-STRM)	554_(C-STRM)	553_(C-STRM)	CONDUIT	72.0	0.1611
0.0130					
C-STRM-4_(1)_(C-STRM)	504_(C-STRM)	503_(C-STRM)	CONDUIT	83.2	0.6007
0.0130					
C-STRM-4_(C-STRM)	505_(C-STRM)	504_(C-STRM)	CONDUIT	84.0	0.4998
0.0130					
C-STRM-46_(1)_(1)_(C-STRM)	650_(C-STRM)	651_(C-STRM)	CONDUIT	68.0	
0.1500	0.0130				
C-STRM-46_(1)_(C-STRM)	619_(C-STRM)	650_(C-STRM)	CONDUIT	89.7	0.1506
0.0130					
C-STRM-49_(C-STRM)	541_(C-STRM)	540_(C-STRM)	CONDUIT	47.7	0.1508
0.0130					
C-STRM-50_(C-STRM)	540_(C-STRM)	536_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-51_(C-STRM)	536_(C-STRM)	532_(C-STRM)	CONDUIT	48.5	0.1505
0.0130					
C-STRM-52_(C-STRM)	532_(C-STRM)	528_(C-STRM)	CONDUIT	69.0	0.1507
0.0130					
C-STRM-53_(C-STRM)	528_(C-STRM)	525_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-57_(C-STRM)	503_(C-STRM)	502_(C-STRM)	CONDUIT	27.5	0.1489
0.0130					
C-STRM-60_(C-STRM)	644_(C-STRM)	643_(C-STRM)	CONDUIT	67.2	0.2486
0.0130					
C-STRM-62_(C-STRM)	520_(C-STRM)	519_(C-STRM)	CONDUIT	95.9	0.2003
0.0130					
C-STRM-63_(C-STRM)	519_(C-STRM)	518_(C-STRM)	CONDUIT	97.4	0.1498
0.0130					
C-STRM-64_(C-STRM)	522_(C-STRM)	EXD_1	CONDUIT	81.9	0.2504
0.0130					
C-STRM-76_(C-STRM)	525_(C-STRM)	MTD_(C-STRM)	CONDUIT	72.6	0.1998
0.0130					
C-STRM-77_(C-STRM)	MTD_(C-STRM)	OVERFLOW_(C-STRM)	CONDUIT	38.5	0.4986
0.0130					
C-STRM-78_(C-STRM)	502_(C-STRM)	MTD_(C-STRM)	CONDUIT	44.0	0.3003
0.0130					
C-STRM-79_(1)_(C-STRM)	604_(C-STRM)	603_(C-STRM)	CONDUIT	72.0	0.1000
0.0130					
C-STRM-79_(C-STRM)	605_(C-STRM)	604_(C-STRM)	CONDUIT	89.5	0.1508
0.0130					
C-STRM-8_(1)_(C-STRM)	514_(C-STRM)	513_(C-STRM)	CONDUIT	95.2	0.1997
0.0130					
C-STRM-8_(C-STRM)	515_(C-STRM)	514_(C-STRM)	CONDUIT	95.1	0.1997
0.0130					
C-STRM-80_(C-STRM)	603_(C-STRM)	602_(C-STRM)	CONDUIT	74.3	0.0996
0.0130					
C-STRM-81_(C-STRM)	602_(C-STRM)	601_(C-STRM)	CONDUIT	46.7	0.1007
0.0130					
C-STRM-82_(C-STRM)	601_(C-STRM)	POND_(C-STRM)	CONDUIT	33.0	0.1000
0.0130					
C-STRM-83_(1)_(C-STRM)	630A_(C-STRM)	630_(C-STRM)	CONDUIT	27.1	0.1513
0.0130					
C-STRM-84_(C-STRM)	622_(C-STRM)	619_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-87_(C-STRM)	645_(C-STRM)	644_(C-STRM)	CONDUIT	68.6	0.2494
0.0130					
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875
0.0130					
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114
0.0130					
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110
0.0130					
ST4-Pipe_-_(99)_(P-Stm)	J74	ST4_108A_(P-Stm)	CONDUIT	49.3	0.2840
0.0130					
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063
0.0250					
OR1	POND_(C-STRM)	J74	ORIFICE		
OR2	POND_(C-STRM)	J74	ORIFICE		
W10	637_(C-STRM)	J35	WEIR		
W11	633_(C-STRM)	J49	WEIR		
W12	S_652-604	J47	WEIR		
W13	S_545-541	J3	WEIR		
W14	S_540-536	J3	WEIR		
W15	S_536-532	J4	WEIR		
W16	S_532-528	J5	WEIR		
W17	S_528-525	J6	WEIR		
W2	POND_(C-STRM)	OF1	WEIR		
W3	S_504-503	J47	WEIR		
W4	S_627-630	J23	WEIR		
W5	S_525-MTD	J13	WEIR		
W6	S_623-622	J31	WEIR		
W7	S_620-619	J61	WEIR		
W8	S_607-605	J50	WEIR		
W9	S_622-619	J31	WEIR		
C-STRM-108_(1)_(C-STRM)	633_(C-STRM)	634_(C-STRM)	OUTLET		
C-STRM-14_(1)_(C-STRM)	S_607-605	605_(C-STRM)	OUTLET		
C-STRM-27_(C-STRM)	S_623-622	622_(C-STRM)	OUTLET		
C-STRM-42_(C-STRM)	S_545-541	541_(C-STRM)	OUTLET		
C-STRM-44_(1)_(C-STRM)	S_525-MTD	525_(C-STRM)	OUTLET		
C-STRM-45_(1)_(C-STRM)	S_620-619	619_(C-STRM)	OUTLET		
C-STRM-61_(C-STRM)	637_(C-STRM)	643_(C-STRM)	OUTLET		
C-STRM-71_(C-STRM)	Industrial_South	647_(C-STRM)	OUTLET		
C-STRM-83_(C-STRM)	Industrial_NORTH	630A_(C-STRM)	OUTLET		
C-STRM-93_(C-STRM)	S_540-536	540_(C-STRM)	OUTLET		
C-STRM-96_(1)_(C-STRM)	S_536-532	536_(C-STRM)	OUTLET		
C-STRM-97_(1)_(C-STRM)	S_532-528	532_(C-STRM)	OUTLET		
C-STRM-98_(1)_(C-STRM)	S_528-525	528_(C-STRM)	OUTLET		
OL1	S_622-619	622_(C-STRM)	OUTLET		
OL10	Filter_Bed	POND_(C-STRM)	OUTLET		
OL11	J50	505_(C-STRM)	OUTLET		
OL12	J60	506_(C-STRM)	OUTLET		
OL13	J58	511_(C-STRM)	OUTLET		
OL14	J57	513_(C-STRM)	OUTLET		
OL15	J28	518_(C-STRM)	OUTLET		
OL16	J2	522_(C-STRM)	OUTLET		
OL17	J27	520_(C-STRM)	OUTLET		
OL18	J19	647_(C-STRM)	OUTLET		
OL19	J20	646_(C-STRM)	OUTLET		
OL2	J35	553_(C-STRM)	OUTLET		
OL20	S_504-503	504_(C-STRM)	OUTLET		
OL21	PARK	602_(C-STRM)	OUTLET		

OL22	J21	645_(C-STRM)	OUTLET
OL3	J38	552_(C-STRM)	OUTLET
OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET
OL6	Woodlot_North	626_(C-STRM)	OUTLET
OL7	S_627-630	627_(C-STRM)	OUTLET
OL8	S_652-604	652_(C-STRM)	OUTLET
OL9	J47	504_(C-STRM)	OUTLET

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-200_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm) CIRCULAR		0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2287	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4415	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2338	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1134	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912
0.3975	0.4038	0.4101	0.4147	0.4188
0.4228	0.4269	0.4309	0.4350	0.4390
0.4430	0.4471	0.4511	0.4552	0.4592
0.4633	0.4673	0.4719	0.4786	0.4852
0.4919	0.4986	0.5052	0.5119	0.5186
0.5252	0.5375	0.5591	0.5808	0.6126
0.6529	0.7560	0.7953	0.8372	1.0000

Transect Barnsdale_UPST5
Area:

0.0011	0.0046	0.0104	0.0185	0.0278
0.0383	0.0495	0.0612	0.0736	0.0865
0.1000	0.1141	0.1288	0.1443	0.1606
0.1778	0.1959	0.2143	0.2330	0.2518
0.2709	0.2903	0.3099	0.3296	0.3497
0.3699	0.3904	0.4111	0.4319	0.4530
0.4743	0.4958	0.5175	0.5395	0.5616
0.5839	0.6064	0.6292	0.6521	0.6753
0.6991	0.7235	0.7484	0.7740	0.8019
0.8364	0.8742	0.9142	0.9560	1.0000

Hrad:

0.0248	0.0493	0.0735	0.1040	0.1389
0.1735	0.2124	0.2498	0.2859	0.3209
0.3550	0.3881	0.4187	0.4434	0.4680
0.4924	0.5212	0.5606	0.5992	0.6372
0.6745	0.7111	0.7472	0.7827	0.8176
0.8520	0.8860	0.9202	0.9539	0.9872
1.0201	1.0525	1.0845	1.1162	1.1474
1.1784	1.2090	1.2392	1.2691	1.2876
1.2994	1.3117	1.3244	1.3163	1.1702
1.0461	1.0307	1.0260	1.0309	1.0000

Width:

0.0497	0.0999	0.1518	0.1903	0.2141
0.2355	0.2481	0.2607	0.2733	0.2859
0.2985	0.3111	0.3252	0.3438	0.3625
0.3813	0.3961	0.4010	0.4059	0.4108
0.4157	0.4206	0.4255	0.4303	0.4352
0.4401	0.4450	0.4494	0.4538	0.4583
0.4627	0.4672	0.4716	0.4761	0.4805
0.4850	0.4894	0.4938	0.4983	0.5078
0.5204	0.5330	0.5457	0.5684	0.6711
0.7919	0.8423	0.8866	0.9238	1.0000

Transect Barnsdale_UPST6
Area:

0.0014	0.0054	0.0102	0.0156	0.0217
0.0284	0.0356	0.0434	0.0517	0.0605
0.0698	0.0796	0.0899	0.1007	0.1121
0.1243	0.1373	0.1512	0.1656	0.1807
0.1962	0.2123	0.2291	0.2483	0.2703
0.2945	0.3189	0.3434	0.3680	0.3929
0.4178	0.4430	0.4687	0.4947	0.5212
0.5482	0.5760	0.6046	0.6335	0.6626
0.6921	0.7218	0.7518	0.7820	0.8133
0.8461	0.8801	0.9163	0.9564	1.0000

Hrad:

0.0226	0.0600	0.0982	0.1332	0.1659
0.1974	0.2291	0.2613	0.2925	0.3228
0.3524	0.3813	0.4096	0.4373	0.4557
0.4729	0.4908	0.5133	0.5388	0.5667
0.5954	0.6238	0.6186	0.5790	0.5404
0.5828	0.6246	0.6659	0.7067	0.7469
0.7867	0.8189	0.8502	0.8811	0.9116
0.9331	0.9497	0.9763	1.0109	1.0452
1.0791	1.1126	1.1458	1.1787	1.1574
1.1642	1.1570	1.1256	1.0602	1.0000

Width:

0.0656	0.0958	0.1094	0.1231	0.1368
0.1501	0.1622	0.1729	0.1837	0.1944
0.2052	0.2159	0.2267	0.2377	0.2539
0.2715	0.2891	0.3043	0.3175	0.3291
0.3399	0.3507	0.3819	0.4435	0.5186
0.5219	0.5251	0.5284	0.5317	0.5350
0.5382	0.5468	0.5558	0.5647	0.5737
0.5886	0.6068	0.6185	0.6243	0.6301
0.6359	0.6417	0.6475	0.6534	0.6932
0.7170	0.7512	0.8061	0.8978	1.0000

Transect Barnsdale_UPST7
Area:

0.0031	0.0077	0.0135	0.0206	0.0292
0.0385	0.0485	0.0590	0.0699	0.0811
0.0928	0.1047	0.1170	0.1297	0.1427
0.1561	0.1700	0.1843	0.1992	0.2145
0.2304	0.2467	0.2636	0.2810	0.3005
0.3224	0.3464	0.3708	0.3955	0.4204
0.4456	0.4710	0.4972	0.5239	0.5510
0.5784	0.6060	0.6340	0.6622	0.6907
0.7195	0.7487	0.7782	0.8081	0.8383
0.8691	0.9003	0.9322	0.9647	1.0000

Hrad:

0.0323	0.0624	0.0905	0.1084	0.1375
0.1686	0.1997	0.2314	0.2650	0.2977
0.3296	0.3608	0.3913	0.4212	0.4493
0.4751	0.5005	0.5247	0.5476	0.5703
0.5929	0.6154	0.6378	0.6601	0.5891
0.5938	0.5928	0.6266	0.6599	0.6927
0.7252	0.7501	0.7705	0.7948	0.8255
0.8559	0.8860	0.9157	0.9452	0.9727
1.0000	1.0270	1.0538	1.0784	1.1003
1.1221	1.1420	1.1557	1.1624	1.0000

Width:

0.0999	0.1304	0.1570	0.1994	0.2229
0.2396	0.2541	0.2664	0.2751	0.2837
0.2923	0.3010	0.3096	0.3183	0.3279
0.3390	0.3501	0.3618	0.3745	0.3872
0.3998	0.4124	0.4251	0.4377	0.5266
0.5610	0.6032	0.6092	0.6153	0.6213
0.6274	0.6399	0.6563	0.6692	0.6761
0.6830	0.6899	0.6967	0.7036	0.7118
0.7199	0.7281	0.7362	0.7458	0.7573
0.7688	0.7817	0.7991	0.8220	1.0000

Transect GBR
Area:

0.0002	0.0008	0.0018	0.0032	0.0051
0.0073	0.0099	0.0130	0.0164	0.0203
0.0245	0.0292	0.0343	0.0401	0.0532
0.0756	0.1002	0.1249	0.1496	0.1742
0.1989	0.2235	0.2482	0.2729	0.2975
0.3222	0.3468	0.3715	0.3962	0.4209
0.4460	0.4715	0.4974	0.5237	0.5505
0.5776	0.6051	0.6331	0.6614	0.6902
0.7193	0.7489	0.7789	0.8092	0.8400
0.8712	0.9028	0.9348	0.9672	1.0000

Hrad:

0.0148	0.0296	0.0444	0.0592	0.0741
0.0889	0.1037	0.1185	0.1333	0.1481
0.1629	0.1777	0.1925	0.1451	0.0889
0.0921	0.1522	0.1522	0.1821	0.2121
0.2420	0.2720	0.3019	0.3318	0.3616
0.3915	0.4213	0.4511	0.4809	0.5106
0.5398	0.5684	0.5963	0.6237	0.6505
0.6768	0.7026	0.7280	0.7529	0.7773
0.8013	0.8249	0.8480	0.8708	0.8932
0.9153	0.9369	0.9583	0.9793	1.0000

Width:

0.0123	0.0246	0.0369	0.0492	0.0614
0.0737	0.0860	0.0983	0.1106	0.1229
0.1352	0.1475	0.1598	0.2496	0.5446
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7542
0.7665	0.7788	0.7911	0.8034	0.8157
0.8280	0.8402	0.8525	0.8648	0.8771
0.8894	0.9017	0.9140	0.9263	0.9386
0.9508	0.9631	0.9754	0.9877	1.0000

Transect Pond_SpillWay
Area:

0.0040	0.0088	0.0142	0.0204	0.0274
0.0350	0.0434	0.0524	0.0622	0.0728
0.0840	0.0960	0.1087	0.1221	0.1362
0.1511	0.1666	0.1829	0.2000	0.2177
0.2362	0.2554	0.2753	0.2959	0.3173
0.3393	0.3621	0.3856	0.4099	0.4348
0.4600	0.4855	0.5113	0.5375	0.5640
0.5908	0.6180	0.6454	0.6732	0.7013
0.7297	0.7585	0.7875	0.8169	0.8466
0.8767	0.9070	0.9377	0.9687	1.0000

Hrad:

0.0187	0.0367	0.0543	0.0716	0.0888
0.1059	0.1230	0.1400	0.1570	0.1740
0.1910	0.2080	0.2251	0.2421	0.2592
0.2763	0.2935	0.3106	0.3278	0.3450
0.3622	0.3795	0.3967	0.4140	0.4313
0.4486	0.4660	0.4833	0.5007	0.5241
0.5500	0.5758	0.6013	0.6266	0.6517
0.6766	0.7013	0.7257	0.7498	0.7737
0.7974	0.8209	0.8441	0.8670	0.8898
0.9123	0.9345	0.9566	0.9784	1.0000

Width:

0.1394	0.1623	0.1853	0.2082	0.2311
0.2541	0.2770	0.2999	0.3229	0.3458
0.3687	0.3917	0.4146	0.4375	0.4605
0.4834	0.5063	0.5293	0.5522	0.5751
0.5981	0.6210	0.6439	0.6669	0.6898
0.7127	0.7357	0.7586	0.7815	0.7956
0.8059	0.8161	0.8263	0.8365	0.8467
0.8569	0.8672	0.8774	0.8876	0.8978
0.9080	0.9183	0.9285	0.9387	0.9489
0.9591	0.9693	0.9796	0.9898	1.0000

Transect ROW_14m
Area:

0.0004	0.0017	0.0038	0.0067	0.0104
0.0150	0.0204	0.0267	0.0338	0.0417
0.0504	0.0600	0.0704	0.0817	0.0938
0.1067	0.1204	0.1350	0.1504	0.1667
0.1838	0.2017	0.2204	0.2400	0.2605
0.2817	0.3038	0.3267	0.3502	0.3738
0.3973	0.4209	0.4446	0.4692	0.4952
0.5225	0.5510	0.5808	0.6118	0.6439
0.6767	0.7100	0.7440	0.7787	0.8140
0.8499	0.8865	0.9237	0.9615	1.0000

Hrad:

0.0169	0.0338	0.0507	0.0677	0.0846
0.1015	0.1184	0.1353	0.1522	0.1692
0.1861	0.2030	0.2199	0.2368	0.2537
0.2707	0.2876	0.3045	0.3214	0.3383
0.3552	0.3722	0.3891	0.4060	0.4229
0.4398	0.4567	0.4736	0.5027	0.5359
0.5691	0.6022	0.6353	0.6667	0.6957
0.7226	0.7474	0.7704	0.7918	0.8123
0.8326	0.8526	0.8721	0.8914	0.9103
0.9289	0.9471	0.9651	0.9827	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6200	0.6529	0.6857
0.7186	0.7514	0.7843	0.8171	0.8357
0.8521	0.8686	0.8850	0.9014	0.9179
0.9343	0.9507	0.9671	0.9836	1.0000

Transect ROW_14m_Mountable
Area:

0.0003	0.0012	0.0028	0.0049	0.0077
0.0111	0.0151	0.0197	0.0249	0.0307
0.0372	0.0442	0.0519	0.0602	0.0691
0.0787	0.0888	0.0996	0.1109	0.1229
0.1355	0.1487	0.1625	0.1770	0.1923
0.2092	0.2277	0.2477	0.2693	0.2924
0.3170	0.3433	0.3711	0.4004	0.4310
0.4626	0.4954	0.5293	0.5642	0.6002
0.6373	0.6755	0.7144	0.7538	0.7936
0.8340	0.8748	0.9160	0.9578	1.0000

Hrad:

0.0222	0.0445	0.0667	0.0889	0.1111
0.1334	0.1556	0.1778	0.2001	0.2223
0.2445	0.2667	0.2890	0.3112	0.3334
0.3556	0.3779	0.4001	0.4223	0.4446
0.4668	0.4890	0.5112	0.5335	0.5550
0.5733	0.5891	0.6029	0.6151	0.6263
0.6367	0.6465	0.6559	0.6653	0.6759
0.6872	0.6992	0.7116	0.7245	0.7378
0.7514	0.7663	0.7966	0.8266	0.8563
0.8856	0.9147	0.9434	0.9719	1.0000

Width:

0.0145	0.0290	0.0434	0.0579	0.0724
0.0869	0.1013	0.1158	0.1303	0.1448
0.1593	0.1737	0.1882	0.2027	0.2172
0.2316	0.2461	0.2606	0.2751	0.2896
0.3040	0.3185	0.3330	0.3475	0.3798
0.4164	0.4530	0.4897	0.5263	0.5629
0.5995	0.6362	0.6728	0.7080	0.7335
0.7591	0.7846	0.8102	0.8357	0.8613
0.8868	0.9114	0.9225	0.9336	0.9446
0.9557	0.9668	0.9779	0.9889	1.0000

Transect ROW_14m_PH3
Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0153	0.0209	0.0273	0.0345	0.0426
0.0516	0.0614	0.0721	0.0836	0.0959
0.1091	0.1232	0.1381	0.1539	0.1705
0.1880	0.2064	0.2255	0.2456	0.2665
0.2882	0.3108	0.3343	0.3583	0.3824
0.4065	0.4306	0.4548	0.4797	0.5055
0.5322	0.5598	0.5883	0.6176	0.6479
0.6791	0.7112	0.7441	0.7780	0.8127
0.8484	0.8850	0.9224	0.9608	1.0000

Hrad:

0.0166	0.0332	0.0498	0.0664	0.0830
0.0997	0.1163	0.1329	0.1495	0.1661
0.1827	0.1993	0.2159	0.2325	0.2491
0.2657	0.2823	0.2990	0.3156	0.3322
0.3488	0.3654	0.3820	0.3986	0.4152
0.4318	0.4484	0.4650	0.4935	0.5262
0.5588	0.5913	0.6238	0.6553	0.6853
0.7137	0.7407	0.7664	0.7909	0.8143
0.8366	0.8579	0.8783	0.8979	0.9166
0.9346	0.9519	0.9685	0.9845	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6160	0.6386	0.6612
0.6838	0.7063	0.7289	0.7515	0.7741
0.7967	0.8193	0.8419	0.8645	0.8871
0.9096	0.9322	0.9548	0.9774	1.0000

Transect ROW_14m-MB_1
Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0407	0.0484	0.0568	0.0659	0.0757
0.0861	0.0972	0.1089	0.1214	0.1345

0.1483	0.1631	0.1791	0.1963	0.2146
0.2342	0.2549	0.2768	0.2999	0.3242
0.3497	0.3764	0.4043	0.4333	0.4635
0.4949	0.5273	0.5601	0.5935	0.6274
0.6618	0.6967	0.7326	0.7693	0.8064
0.8441	0.8823	0.9210	0.9603	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0792	0.0990
0.1188	0.1386	0.1584	0.1782	0.1980
0.2178	0.2376	0.2574	0.2772	0.2971
0.3169	0.3367	0.3565	0.3763	0.3961
0.4159	0.4347	0.4520	0.4681	0.4834
0.4979	0.5119	0.5256	0.5389	0.5521
0.5650	0.5779	0.5907	0.6035	0.6162
0.6289	0.6560	0.6844	0.7123	0.7397
0.7667	0.7933	0.8190	0.8459	0.8726
0.8988	0.9247	0.9501	0.9752	1.0000

Width:

0.0168	0.0336	0.0504	0.0673	0.0841
0.1009	0.1177	0.1345	0.1513	0.1681
0.1849	0.2018	0.2186	0.2354	0.2522
0.2690	0.2858	0.3026	0.3195	0.3363
0.3552	0.3849	0.4146	0.4442	0.4739
0.5036	0.5332	0.5629	0.5926	0.6223
0.6519	0.7113	0.7409	0.7706	0.8003
0.8003	0.8150	0.8279	0.8407	0.8536
0.8664	0.8836	0.9093	0.9229	0.9357
0.9486	0.9614	0.9743	0.9871	1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003	0.0012	0.0027	0.0048	0.0074
0.0107	0.0145	0.0190	0.0240	0.0297
0.0359	0.0428	0.0502	0.0582	0.0668
0.0760	0.0858	0.0962	0.1072	0.1188
0.1309	0.1437	0.1571	0.1710	0.1856
0.2012	0.2183	0.2369	0.2570	0.2786
0.3017	0.3263	0.3524	0.3800	0.4091
0.4397	0.4719	0.5055	0.5406	0.5772
0.6153	0.6544	0.6944	0.7354	0.7772
0.8199	0.8636	0.9082	0.9536	1.0000

Hrad:

0.0233	0.0465	0.0698	0.0931	0.1163
0.1396	0.1628	0.1861	0.2094	0.2326
0.2559	0.2792	0.3024	0.3257	0.3489
0.3722	0.3955	0.4187	0.4420	0.4653
0.4885	0.5118	0.5350	0.5583	0.5816
0.6036	0.6224	0.6386	0.6529	0.6657
0.6773	0.6882	0.6985	0.7084	0.7180
0.7275	0.7370	0.7464	0.7559	0.7655
0.7817	0.8084	0.8343	0.8597	0.8844
0.9085	0.9321	0.9552	0.9779	1.0000

Width:

0.0127	0.0254	0.0380	0.0507	0.0634
0.0761	0.0888	0.1014	0.1141	0.1268
0.1395	0.1522	0.1648	0.1775	0.1902
0.2029	0.2156	0.2283	0.2409	0.2536
0.2663	0.2790	0.2917	0.3043	0.3170
0.3491	0.3812	0.4132	0.4453	0.4774
0.5095	0.5415	0.5736	0.6057	0.6378
0.6698	0.7019	0.7340	0.7661	0.7981
0.8255	0.8448	0.8642	0.8836	0.9030
0.9224	0.9418	0.9612	0.9806	1.0000

Transect ROW_16.5m_PH3

Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0154	0.0210	0.0275	0.0347	0.0429
0.0519	0.0618	0.0725	0.0841	0.0965
0.1098	0.1240	0.1390	0.1548	0.1716
0.1892	0.2076	0.2269	0.2471	0.2677
0.2884	0.3090	0.3297	0.3510	0.3731
0.3962	0.4201	0.4449	0.4705	0.4971
0.5245	0.5527	0.5819	0.6119	0.6428
0.6746	0.7073	0.7408	0.7752	0.8105
0.8466	0.8837	0.9216	0.9603	1.0000

Hrad:

0.0173	0.0347	0.0520	0.0694	0.0867
0.1041	0.1214	0.1388	0.1561	0.1735
0.1908	0.2082	0.2255	0.2429	0.2602
0.2776	0.2949	0.3123	0.3296	0.3470
0.3643	0.3817	0.3990	0.4164	0.4493
0.4834	0.5173	0.5513	0.5844	0.6155
0.6449	0.6727	0.6990	0.7239	0.7475
0.7699	0.7913	0.8116	0.8310	0.8496
0.8673	0.8843	0.9007	0.9164	0.9316
0.9462	0.9603	0.9739	0.9872	1.0000

Width:

0.0214	0.0428	0.0642	0.0856	0.1070
0.1284	0.1498	0.1712	0.1926	0.2140
0.2354	0.2568	0.2782	0.2996	0.3210
0.3424	0.3638	0.3852	0.4066	0.4280
0.4494	0.4708	0.4922	0.5136	0.5152
0.5152	0.5152	0.5200	0.5418	0.5636
0.5855	0.6073	0.6291	0.6509	0.6727
0.6945	0.7164	0.7382	0.7600	0.7818
0.8036	0.8255	0.8473	0.8691	0.8909
0.9127	0.9345	0.9564	0.9782	1.0000

Transect ROW_18m

Area:

0.0004	0.0016	0.0036	0.0064	0.0100
0.0144	0.0196	0.0255	0.0323	0.0399
0.0483	0.0575	0.0675	0.0782	0.0898
0.1022	0.1154	0.1293	0.1441	0.1597
0.1760	0.1932	0.2112	0.2299	0.2495
0.2698	0.2906	0.3114	0.3321	0.3529
0.3742	0.3967	0.4204	0.4452	0.4712
0.4983	0.5266	0.5560	0.5867	0.6184
0.6514	0.6855	0.7207	0.7571	0.7947
0.8335	0.8734	0.9144	0.9566	1.0000

Hrad:

0.0183	0.0366	0.0549	0.0732	0.0915
0.1098	0.1281	0.1464	0.1647	0.1829
0.2012	0.2195	0.2378	0.2561	0.2744
0.2927	0.3110	0.3293	0.3476	0.3659
0.3842	0.4025	0.4208	0.4391	0.4574
0.4757	0.5117	0.5476	0.5834	0.6192
0.6542	0.6864	0.7162	0.7437	0.7692
0.7927	0.8145	0.8348	0.8537	0.8713
0.8877	0.9031	0.9176	0.9313	0.9442
0.9565	0.9681	0.9792	0.9898	1.0000

Width:

0.0182	0.0363	0.0545	0.0726	0.0908
0.1090	0.1271	0.1453	0.1635	0.1816
0.1998	0.2179	0.2361	0.2543	0.2724
0.2906	0.3088	0.3269	0.3451	0.3632
0.3814	0.3996	0.4177	0.4359	0.4541
0.4722	0.4722	0.4722	0.4722	0.4722
0.4986	0.5250	0.5514	0.5778	0.6042
0.6306	0.6569	0.6833	0.7097	0.7361
0.7625	0.7889	0.8153	0.8417	0.8681
0.8944	0.9208	0.9472	0.9736	1.0000

Transect ROW_18m_MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0793	0.0991
0.1189	0.1387	0.1585	0.1783	0.1982
0.2180	0.2378	0.2576	0.2774	0.2972
0.3166	0.3340	0.3498	0.3646	0.3786
0.3921	0.4053	0.4183	0.4311	0.4439
0.4566	0.4770	0.5054	0.5332	0.5603
0.5869	0.6122	0.6360	0.6586	0.6807
0.7040	0.7271	0.7499	0.7723	0.7944
0.8163	0.8378	0.8591	0.8800	0.9007
0.9211	0.9412	0.9611	0.9807	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_MB_2

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0395	0.0593	0.0791	0.0989
0.1186	0.1384	0.1582	0.1780	0.1977
0.2175	0.2373	0.2571	0.2768	0.2966
0.3160	0.3333	0.3491	0.3638	0.3778
0.3913	0.4045	0.4174	0.4302	0.4430
0.4557	0.4780	0.5044	0.5321	0.5592
0.5857	0.6109	0.6347	0.6572	0.6793
0.7027	0.7258	0.7486	0.7711	0.7933
0.8152	0.8368	0.8581	0.8792	0.9000
0.9205	0.9408	0.9608	0.9805	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_Mountable

Area:

0.0003	0.0011	0.0026	0.0046	0.0072
0.0103	0.0140	0.0183	0.0232	0.0286
0.0346	0.0412	0.0484	0.0561	0.0644
0.0733	0.0827	0.0928	0.1034	0.1145
0.1263	0.1386	0.1515	0.1650	0.1799
0.1964	0.2143	0.2337	0.2546	0.2770
0.3009	0.3263	0.3532	0.3816	0.4115
0.4429	0.4758	0.5102	0.5459	0.5826
0.6202	0.6587	0.6981	0.7385	0.7797
0.8219	0.8651	0.9091	0.9541	1.0000

Hrad:

0.0235	0.0471	0.0706	0.0942	0.1177
0.1413	0.1648	0.1884	0.2119	0.2355
0.2590	0.2826	0.3061	0.3297	0.3532
0.3768	0.4003	0.4238	0.4474	0.4709
0.4945	0.5180	0.5416	0.5650	0.5852
0.6022	0.6168	0.6296	0.6410	0.6515
0.6613	0.6707	0.6799	0.6889	0.6979
0.7069	0.7161	0.7253	0.7478	0.7737
0.7989	0.8234	0.8474	0.8707	0.8935
0.9157	0.9375	0.9588	0.9796	1.0000

Width:

0.0124	0.0247	0.0371	0.0494	0.0618
0.0741	0.0865	0.0988	0.1112	0.1235
0.1359	0.1482	0.1606	0.1729	0.1853
0.1976	0.2100	0.2223	0.2347	0.2470
0.2594	0.2717	0.2841	0.3058	0.3381
0.3704	0.4027	0.4349	0.4672	0.4995
0.5318	0.5641	0.5964	0.6287	0.6610
0.6933	0.7255	0.7578	0.7807	0.8006
0.8206	0.8405	0.8604	0.8804	0.9003
0.9202	0.9402	0.9601	0.9801	1.0000

Transect ROW_18m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0154	0.0209	0.0273	0.0346	0.0427
0.0516	0.0614	0.0721	0.0836	0.0960
0.1092	0.1233	0.1382	0.1540	0.1707
0.1882	0.2065	0.2256	0.2447	0.2638
0.2830	0.3026	0.3232	0.3447	0.3670
0.3903	0.4144	0.4394	0.4653	0.4921
0.5197	0.5483	0.5777	0.6080	0.6392
0.6713	0.7043	0.7382	0.7729	0.8085
0.8451	0.8825	0.9208	0.9599	1.0000

Hrad:

0.0179	0.0359	0.0538	0.0717	0.0896
0.1076	0.1255	0.1434	0.1613	0.1793
0.1972	0.2151	0.2330	0.2510	0.2689
0.2868	0.3047	0.3227	0.3406	0.3585
0.3764	0.3944	0.4225	0.4577	0.4928
0.5279	0.5621	0.5942	0.6243	0.6525
0.6791	0.7042	0.7279	0.7504	0.7716
0.7918	0.8110	0.8292	0.8467	0.8634
0.8794	0.8948	0.9095	0.9238	0.9375
0.9508	0.9636	0.9761	0.9882	1.0000

Width:

0.0211	0.0421	0.0632	0.0843	0.1053
0.1264	0.1475	0.1685	0.1896	0.2107
0.2318	0.2528	0.2739	0.2950	0.3160
0.3371	0.3582	0.3792	0.4003	0.4214
0.4424	0.4635	0.4722	0.4722	0.4722
0.4782	0.4971	0.5190	0.5408	0.5627
0.5846	0.6064	0.6283	0.6502	0.6720
0.6939	0.7158	0.7376	0.7595	0.7813
0.8032	0.8251	0.8469	0.8688	0.8907
0.9125	0.9344	0.9563	0.9781	1.0000

Transect ROW_20m

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0193	0.0253	0.0320	0.0395
0.0478	0.0568	0.0667	0.0774	0.0888
0.1011	0.1141	0.1279	0.1425	0.1579
0.1741	0.1911	0.2088	0.2274	0.2464
0.2654	0.2844	0.3034	0.3226	0.3431
0.3648	0.3874	0.4114	0.4365	0.4629
0.4904	0.5191	0.5490	0.5801	0.6123
0.6458	0.6804	0.7162	0.7532	0.7914
0.8307	0.8713	0.9130	0.9559	1.0000

Hrad:

0.0190	0.0380	0.0570	0.0760	0.0950
0.1141	0.1331	0.1521	0.1711	0.1901
0.2091	0.2281	0.2471	0.2661	0.2851
0.3041	0.3231	0.3422	0.3612	0.3802
0.3992	0.4182	0.4372	0.4562	0.4926
0.5299	0.5672	0.6043	0.6411	0.6750
0.7060	0.7344	0.7603	0.7841	0.8059
0.8259	0.8444	0.8615	0.8773	0.8920
0.9057	0.9186	0.9307	0.9421	0.9529
0.9632	0.9730	0.9823	0.9913	1.0000

Width:

0.0177	0.0353	0.0530	0.0707	0.0883
0.1060	0.1237	0.1413	0.1590	0.1767
0.1943	0.2120	0.2297	0.2473	0.2650
0.2827	0.3003	0.3180	0.3357	0.3533
0.3710	0.3887	0.4063	0.4240	0.4250
0.4250	0.4250	0.4250	0.4435	0.4700
0.4965	0.5230	0.5495	0.5760	0.6025
0.6290	0.6555	0.6820	0.7085	0.7350
0.7615	0.7880	0.8145	0.8410	0.8675
0.8940	0.9205	0.9470	0.9735	1.0000

Transect ROW_22m
Area:

0.0003	0.0014	0.0031	0.0055	0.0086
0.0124	0.0169	0.0221	0.0280	0.0346
0.0418	0.0498	0.0584	0.0678	0.0778
0.0885	0.0999	0.1120	0.1248	0.1383
0.1525	0.1674	0.1829	0.1992	0.2161
0.2337	0.2521	0.2711	0.2908	0.3119
0.3348	0.3594	0.3857	0.4133	0.4420
0.4717	0.5025	0.5343	0.5673	0.6013
0.6363	0.6725	0.7097	0.7479	0.7873
0.8277	0.8692	0.9117	0.9553	1.0000

Hrad:

0.0200	0.0399	0.0599	0.0798	0.0998
0.1198	0.1397	0.1597	0.1796	0.1996
0.2196	0.2395	0.2595	0.2794	0.2994
0.3194	0.3393	0.3593	0.3792	0.3992
0.4192	0.4391	0.4591	0.4790	0.4990
0.5190	0.5389	0.5589	0.5789	0.5976
0.6138	0.6280	0.6465	0.6764	0.7046
0.7312	0.7565	0.7804	0.8033	0.8250
0.8458	0.8656	0.8847	0.9030	0.9206
0.9376	0.9539	0.9698	0.9851	1.0000

Width:

0.0153	0.0306	0.0459	0.0612	0.0765
0.0918	0.1071	0.1224	0.1376	0.1529
0.1682	0.1835	0.1988	0.2141	0.2294
0.2447	0.2600	0.2753	0.2906	0.3059
0.3212	0.3365	0.3518	0.3671	0.3824
0.3976	0.4129	0.4282	0.4472	0.4861
0.5250	0.5640	0.5982	0.6218	0.6455
0.6691	0.6927	0.7164	0.7400	0.7636
0.7873	0.8109	0.8345	0.8582	0.8818
0.9055	0.9291	0.9527	0.9764	1.0000

Transect ROW_24m
Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0155	0.0211	0.0275	0.0348	0.0430
0.0520	0.0619	0.0726	0.0843	0.0967
0.1100	0.1234	0.1369	0.1503	0.1637
0.1772	0.1906	0.2040	0.2176	0.2324
0.2484	0.2655	0.2840	0.3036	0.3245
0.3466	0.3699	0.3945	0.4203	0.4473
0.4756	0.5050	0.5357	0.5677	0.6008
0.6352	0.6708	0.7077	0.7458	0.7851
0.8256	0.8674	0.9103	0.9546	1.0000

Hrad:

0.0217	0.0434	0.0652	0.0869	0.1086
0.1303	0.1520	0.1737	0.1955	0.2172
0.2389	0.2606	0.2823	0.3041	0.3258
0.3554	0.3981	0.4407	0.4831	0.5253
0.5674	0.6094	0.6512	0.6926	0.7297
0.7620	0.7900	0.8143	0.8353	0.8535
0.8693	0.8830	0.8951	0.9057	0.9151
0.9235	0.9311	0.9381	0.9445	0.9505
0.9561	0.9614	0.9666	0.9716	0.9764
0.9812	0.9859	0.9906	0.9953	1.0000

Width:

0.0187	0.0373	0.0560	0.0747	0.0933
0.1120	0.1307	0.1493	0.1680	0.1867
0.2053	0.2240	0.2427	0.2613	0.2800
0.2917	0.2917	0.2917	0.2917	0.2917
0.2917	0.2917	0.2917	0.3067	0.3333
0.3600	0.3867	0.4133	0.4400	0.4667
0.4933	0.5200	0.5467	0.5733	0.6000
0.6267	0.6533	0.6800	0.7067	0.7333
0.7600	0.7867	0.8133	0.8400	0.8667
0.8933	0.9200	0.9467	0.9733	1.0000

Transect ROW_24m_1
Area:

0.0002	0.0009	0.0020	0.0036	0.0057
0.0081	0.0111	0.0145	0.0183	0.0227
0.0279	0.0340	0.0410	0.0489	0.0577
0.0675	0.0781	0.0897	0.1021	0.1158
0.1311	0.1479	0.1664	0.1857	0.2058
0.2265	0.2480	0.2700	0.2929	0.3171
0.3426	0.3694	0.3976	0.4272	0.4579
0.4893	0.5214	0.5541	0.5875	0.6216
0.6564	0.6919	0.7280	0.7648	0.8023
0.8405	0.8794	0.9189	0.9591	1.0000

Hrad:

0.0217	0.0433	0.0650	0.0866	0.1083
0.1299	0.1516	0.1732	0.1949	0.2158
0.2334	0.2493	0.2650	0.2808	0.2970
0.3137	0.3309	0.3485	0.3666	0.3838
0.3990	0.4128	0.4110	0.4455	0.4784
0.5099	0.5402	0.5694	0.5973	0.6230
0.6462	0.6674	0.6867	0.7046	0.7237
0.7433	0.7628	0.7822	0.8014	0.8205
0.8393	0.8580	0.8765	0.8948	0.9128
0.9307	0.9483	0.9657	0.9830	1.0000

Width:

0.0110	0.0219	0.0329	0.0439	0.0549
0.0658	0.0768	0.0878	0.0987	0.1153
0.1372	0.1592	0.1811	0.2031	0.2250
0.2469	0.2689	0.2908	0.3130	0.3514
0.3898	0.4282	0.4619	0.4783	0.4948
0.5112	0.5277	0.5442	0.5692	0.6021
0.6350	0.6679	0.7008	0.7337	0.7531
0.7696	0.7860	0.8025	0.8190	0.8354
0.8519	0.8683	0.8848	0.9013	0.9177
0.9342	0.9506	0.9671	0.9835	1.0000

Transect ROW_24m_Parking
Area:

0.0004	0.0014	0.0032	0.0056	0.0088
0.0126	0.0172	0.0225	0.0285	0.0351
0.0425	0.0506	0.0594	0.0689	0.0790
0.0899	0.1015	0.1138	0.1268	0.1410
0.1566	0.1735	0.1918	0.2107	0.2304
0.2507	0.2716	0.2933	0.3156	0.3391
0.3638	0.3900	0.4174	0.4462	0.4758
0.5061	0.5371	0.5687	0.6010	0.6339
0.6675	0.7018	0.7367	0.7724	0.8086
0.8456	0.8832	0.9215	0.9604	1.0000

Hrad:

0.0204	0.0408	0.0612	0.0816	0.1020
0.1224	0.1428	0.1632	0.1836	0.2040
0.2244	0.2448	0.2652	0.2856	0.3060
0.3264	0.3469	0.3673	0.3877	0.4065
0.4232	0.4365	0.4621	0.4937	0.5239
0.5528	0.5805	0.6070	0.6326	0.6563
0.6776	0.6968	0.7143	0.7308	0.7488
0.7668	0.7846	0.8023	0.8198	0.8372
0.8543	0.8713	0.8880	0.9046	0.9210
0.9372	0.9532	0.9690	0.9846	1.0000

Width:

0.0176	0.0352	0.0528	0.0704	0.0880
0.1056	0.1231	0.1407	0.1583	0.1759
0.1935	0.2111	0.2287	0.2463	0.2639
0.2815	0.2991	0.3167	0.3384	0.3727
0.4069	0.4412	0.4667	0.4833	0.5000
0.5167	0.5333	0.5500	0.5708	0.6042
0.6375	0.6708	0.7042	0.7333	0.7500
0.7667	0.7833	0.8000	0.8167	0.8333
0.8500	0.8667	0.8833	0.9000	0.9167
0.9333	0.9500	0.9667	0.9833	1.0000

Transect ROW_26m
Area:

0.0003	0.0013	0.0030	0.0053	0.0083
0.0120	0.0164	0.0214	0.0270	0.0334
0.0404	0.0481	0.0564	0.0654	0.0751
0.0854	0.0964	0.1081	0.1205	0.1335
0.1472	0.1615	0.1765	0.1922	0.2086
0.2261	0.2453	0.2663	0.2888	0.3123
0.3369	0.3625	0.3892	0.4168	0.4456
0.4753	0.5061	0.5379	0.5707	0.6046
0.6395	0.6754	0.7124	0.7504	0.7894
0.8295	0.8705	0.9127	0.9558	1.0000

Hrad:

0.0209	0.0418	0.0627	0.0836	0.1045
0.1254	0.1463	0.1672	0.1880	0.2089
0.2298	0.2507	0.2716	0.2925	0.3134
0.3343	0.3552	0.3761	0.3970	0.4179
0.4388	0.4597	0.4806	0.5015	0.5223
0.5421	0.5589	0.5735	0.5992	0.6295
0.6579	0.6846	0.7097	0.7334	0.7558
0.7771	0.7974	0.8167	0.8352	0.8529
0.8699	0.8863	0.9021	0.9173	0.9321
0.9464	0.9604	0.9739	0.9871	1.0000

Width:

0.0149	0.0299	0.0448	0.0597	0.0747
0.0896	0.1045	0.1195	0.1344	0.1493
0.1643	0.1792	0.1941	0.2090	0.2240
0.2389	0.2538	0.2688	0.2837	0.2986
0.3136	0.3285	0.3434	0.3584	0.3733
0.4153	0.4573	0.4873	0.5154	0.5385
0.5615	0.5846	0.6077	0.6308	0.6538
0.6769	0.7000	0.7231	0.7462	0.7692
0.7923	0.8154	0.8385	0.8615	0.8846
0.9077	0.9308	0.9538	0.9769	1.0000

Transect Upstream1
Area:

0.0025	0.0106	0.0203	0.0306	0.0413
0.0526	0.0643	0.0765	0.0889	0.1016
0.1146	0.1277	0.1411	0.1547	0.1685
0.1826	0.1968	0.2113	0.2260	0.2410
0.2562	0.2716	0.2875	0.3036	0.3201
0.3370	0.3541	0.3718	0.3916	0.4132
0.4352	0.4574	0.4798	0.5024	0.5256
0.5499	0.5749	0.6004	0.6263	0.6529
0.6803	0.7086	0.7388	0.7719	0.8061
0.8411	0.8773	0.9158	0.9566	1.0000

Hrad:

0.0236	0.0542	0.0978	0.1394	0.1791
0.2172	0.2558	0.2953	0.3343	0.3743
0.4135	0.4519	0.4897	0.5268	0.5632
0.5991	0.6344	0.6691	0.7034	0.7372
0.7686	0.7966	0.8243	0.8517	0.8789
0.9059	0.9305	0.9395	0.8568	0.8707
0.9044	0.9376	0.9705	1.0029	1.0032
1.0093	1.0327	1.0560	1.0792	1.0918
1.1023	1.1020	1.0403	1.0362	1.0565
1.0711	1.0710	1.0500	1.0287	1.0000

Width:

0.1112	0.2068	0.2183	0.2299	0.2414
0.2530	0.2625	0.2696	0.2763	0.2812
0.2861	0.2910	0.2959	0.3008	0.3057
0.3106	0.3155	0.3204	0.3253	0.3301
0.3360	0.3434	0.3508	0.3582	0.3656
0.3731	0.3815	0.3971	0.4616	0.4787
0.4839	0.4890	0.4941	0.4992	0.5218
0.5423	0.5531	0.5639	0.5747	0.5916
0.6102	0.6359	0.7052	0.7403	0.7577
0.7795	0.8137	0.8682	0.9276	1.0000

Transect Upstream2
Area:

0.0010	0.0033	0.0061	0.0095	0.0135
0.0180	0.0231	0.0287	0.0349	0.0417
0.0491	0.0571	0.0658	0.0753	0.0857
0.0969	0.1089	0.1216	0.1350	0.1491
0.1643	0.1807	0.1983	0.2174	0.2378
0.2598	0.2837	0.3085	0.3337	0.3593
0.3851	0.4112	0.4375	0.4641	0.4910
0.5185	0.5468	0.5756	0.6049	0.6346
0.6647	0.6958	0.7278	0.7609	0.7954
0.8324	0.8717	0.9124	0.9551	1.0000

Hrad:

0.0245	0.0622	0.0947	0.1245	0.1527
0.1802	0.2071	0.2329	0.2579	0.2827
0.3074	0.3275	0.3469	0.3639	0.3812
0.4022	0.4237	0.4479	0.4730	0.4917
0.5021	0.5129	0.5218	0.5312	0.5437
0.5471	0.5612	0.5918	0.6316	0.6711
0.7100	0.7484	0.7864	0.8238	0.8538
0.8769	0.9017	0.9331	0.9642	0.9950
1.0193	1.0315	1.0445	1.0569	1.0476
1.0094	1.0241	1.0243	1.0266	1.0000

Width:

0.0422	0.0543	0.0664	0.0785	0.0905
0.1024	0.1141	0.1261	0.1385	0.1508
0.1631	0.1781	0.1939	0.2117	0.2302
0.2467	0.2633	0.2781	0.2924	0.3107
0.3356	0.3615	0.3904	0.4208	0.4502
0.4893	0.5205	0.5353	0.5411	0.5466
0.5522	0.5577	0.5632	0.5687	0.5793
0.5947	0.6089	0.6182	0.6274	0.6366
0.6600	0.6718	0.6936	0.7162	0.7558
0.8227	0.8489	0.8887	0.9286	1.0000

Transect Upstream3
Area:

0.0006	0.0023	0.0050	0.0083	0.0121
0.0165	0.0214	0.0269	0.0329	0.0397
0.0479	0.0574	0.0681	0.0800	0.0928
0.1066	0.1213	0.1370	0.1537	0.1724
0.1916	0.2112	0.2310	0.2512	0.2719
0.2933	0.3154	0.3379	0.3607	0.3838
0.4072	0.4308	0.4548	0.4792	0.5043
0.5302	0.5566	0.5834	0.6106	0.6382
0.6665	0.6955	0.7273	0.7625	0.7988
0.8362	0.8744	0.9141	0.9558	1.0000

Hrad:

0.0253	0.0506	0.0845	0.1172	0.1476
0.1766	0.2047	0.2322	0.2591	0.2672
0.2667	0.2864	0.3020	0.3243	0.3504
0.3762	0.4018	0.4273	0.4351	0.4545
0.4946	0.5339	0.5724	0.6101	0.6377
0.6626	0.6916	0.7293	0.7664	0.8029
0.8390	0.8745	0.9096	0.9307	0.9485
0.9716	1.0018	1.0317	1.0613	1.0906
1.1067	1.1229	1.0191	1.0199	1.0379
1.0594	1.0820	1.0709	1.0785	1.0000

Width:

0.0239	0.0478	0.0617	0.0733	0.0849
0.0965	0.1081	0.1196	0.1312	0.1535
0.1653	0.2081	0.2344	0.2566	0.2757
0.2950	0.3144	0.3339	0.3682	0.3946
0.4014	0.4082	0.4149	0.4217	0.4354
0.4510	0.4634	0.4693	0.4752	0.4811
0.4870	0.4929	0.4988	0.5128	0.5290
0.5420	0.5507	0.5594	0.5681	0.5768
0.5931	0.6096	0.7080	0.7423	0.7640
0.7831	0.8014	0.8479	0.8809	1.0000

Transect Upstream4
Area:

0.0018	0.0046	0.0083	0.0128	0.0180
0.0238	0.0302	0.0371	0.0448	0.0547
0.0662	0.0782	0.0907	0.1038	0.1174
0.1319	0.1472	0.1638	0.1825	0.2018
0.2212	0.2408	0.2608	0.2810	0.3017

0.3227	0.3453	0.3685	0.3919	0.4155
0.4393	0.4633	0.4875	0.5118	0.5364
0.5615	0.5871	0.6133	0.6408	0.6690
0.6977	0.7269	0.7568	0.7876	0.8192
0.8516	0.8851	0.9205	0.9583	1.0000

Hrad:

0.0356	0.0671	0.0952	0.1219	0.1526
0.1825	0.2111	0.2388	0.2457	0.2281
0.2626	0.2959	0.3290	0.3614	0.3872
0.4105	0.4302	0.4402	0.4405	0.4805
0.5198	0.5573	0.5905	0.6232	0.6553
0.6869	0.6742	0.7110	0.7474	0.7833
0.8187	0.8537	0.8883	0.9224	0.9509
0.9733	0.9956	1.0049	1.0036	1.0287
1.0536	1.0784	1.0896	1.1008	1.1169
1.1330	1.1274	1.1025	1.0707	1.0000

Width:

0.0541	0.0732	0.0923	0.1110	0.1246
0.1374	0.1502	0.1630	0.1916	0.2527
0.2652	0.2777	0.2895	0.3012	0.3179
0.3368	0.3586	0.3902	0.4339	0.4377
0.4416	0.4466	0.4547	0.4628	0.4709
0.4791	0.5224	0.5268	0.5312	0.5356
0.5400	0.5444	0.5488	0.5532	0.5611
0.5729	0.5847	0.6049	0.6332	0.6440
0.6548	0.6656	0.6857	0.7062	0.7236
0.7412	0.7753	0.8268	0.8894	1.0000

Transect Upstream5
Area:

0.0012	0.0039	0.0075	0.0122	0.0185
0.0256	0.0332	0.0413	0.0500	0.0592
0.0689	0.0792	0.0900	0.1012	0.1130
0.1251	0.1375	0.1502	0.1632	0.1765
0.1902	0.2041	0.2184	0.2330	0.2480
0.2635	0.2798	0.2968	0.3145	0.3331
0.3525	0.3727	0.3942	0.4178	0.4431
0.4698	0.4988	0.5309	0.5639	0.5984
0.6349	0.6722	0.7101	0.7485	0.7872
0.8265	0.8666	0.9084	0.9530	1.0000

Hrad:

0.0281	0.0626	0.0927	0.1114	0.1369
0.1752	0.2115	0.2463	0.2799	0.3124
0.3424	0.3749	0.4068	0.4379	0.4694
0.5056	0.5411	0.5759	0.6102	0.6439
0.6771	0.7099	0.7421	0.7699	0.7956
0.8104	0.8332	0.8495	0.8616	0.8816
0.8746	0.8886	0.8484	0.8428	0.8418
0.8363	0.8155	0.8068	0.8309	0.8203
0.8497	0.8801	0.9176	0.9547	0.9913
1.0230	1.0475	1.0267	1.0168	1.0000

Width:

0.0449	0.0640	0.0831	0.1124	0.1386
0.1495	0.1603	0.1712	0.1820	0.1929
0.2048	0.2146	0.2243	0.2341	0.2433
0.2496	0.2559	0.2622	0.2684	0.2747
0.2810	0.2873	0.2936	0.3016	0.3105
0.3241	0.3390	0.3539	0.3698	0.3865
0.4032	0.4199	0.4663	0.4984	0.5298
0.5663	0.6178	0.6645	0.6844	0.7354
0.7522	0.7779	0.7768	0.7857	0.7946
0.8074	0.8259	0.8838	0.9366	1.0000

Transect Upstream6
Area:

0.0020	0.0057	0.0101	0.0154	0.0216
0.0285	0.0362	0.0446	0.0534	0.0628
0.0726	0.0829	0.0939	0.1054	0.1174
0.1299	0.1429	0.1564	0.1705	0.1850
0.2000	0.2153	0.2310	0.2472	0.2637
0.2808	0.2986	0.3172	0.3364	0.3564
0.3786	0.4016	0.4255	0.4503	0.4760
0.5026	0.5304	0.5593	0.5897	0.6214
0.6541	0.6875	0.7215	0.7561	0.7915
0.8280	0.8671	0.9077	0.9506	1.0000

Hrad:

0.0333	0.0728	0.1080	0.1404	0.1714
0.2022	0.2321	0.2687	0.3047	0.3396
0.3717	0.4020	0.4318	0.4612	0.4948
0.5246	0.5534	0.5820	0.6106	0.6442
0.6773	0.7100	0.7423	0.7742	0.8057
0.8224	0.8398	0.8578	0.8777	0.8995
0.8582	0.8792	0.8979	0.9152	0.9345
0.9490	0.9612	0.9727	0.9697	0.9916
1.0145	1.0496	1.0816	1.1092	1.1367
1.1540	1.1196	1.1309	1.0883	1.0000

Width:

0.0616	0.0785	0.0947	0.1108	0.1267
0.1418	0.1569	0.1666	0.1758	0.1850
0.1952	0.2062	0.2171	0.2280	0.2365
0.2466	0.2570	0.2674	0.2776	0.2853
0.2930	0.3007	0.3084	0.3161	0.3238
0.3379	0.3520	0.3661	0.3797	0.4163
0.4379	0.4535	0.4707	0.4888	0.5050
0.5264	0.5485	0.5718	0.6051	0.6237
0.6417	0.6518	0.6637	0.6783	0.6930
0.7329	0.7718	0.8002	0.8718	1.0000

```
***************
Analysis Options
***************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff .......  YES
  RDII ..................  NO
  Snowmelt ..............  NO
  Groundwater ...........  NO
  Flow Routing ..........  YES
  Ponding Allowed .......  NO
  Water Quality .........  NO
Infiltration Method .....  HORTON
Flow Routing Method .....  DYNWAVE
Surcharge Method ........  EXTRAN
Starting Date ...........  01/01/2000 00:00:00
Ending Date .............  01/03/2000 00:00:00
Antecedent Dry Days .....  0.0
Report Time Step ........  00:01:00
Wet Time Step ...........  00:01:00
Dry Time Step ...........  00:01:00
Routing Time Step .......  1.00 sec
Variable Time Step ......  YES
Maximum Trials ..........  8
Number of Threads .......  18
Head Tolerance ..........  0.001500 m


**************************      Volume         Depth
Runoff Quantity Continuity     hectare-m          mm
**************************     ---------      -------
Total Precipitation .....         5.212        62.398
Evaporation Loss ........         0.000         0.000
Infiltration Loss .......         2.452        29.360
Surface Runoff ..........         2.672        31.987
Final Storage ...........         0.089         1.070
Continuity Error (%) ....        -0.031


**************************      Volume       Volume
Flow Routing Continuity        hectare-m    10^6 ltr
**************************     ---------    ---------
Dry Weather Inflow ......         0.000        0.000
Wet Weather Inflow ......         2.672       26.718
Groundwater Inflow ......         0.000        0.000
RDII Inflow .............         0.000        0.000
External Inflow .........         0.018        0.183
External Outflow ........         2.540       25.404
Flooding Loss ...........         0.000        0.000
Evaporation Loss ........         0.000        0.000
Exfiltration Loss .......         0.153        1.532
Initial Stored Volume ....        0.000        0.000
Final Stored Volume ......        0.001        0.014
Continuity Error (%) .....       -0.182


*************************
Highest Continuity Errors
*************************
Node J37 (31.48%)
Node J39 (20.53%)
Node J67 (15.96%)
Node J35 (-15.35%)
Node J49 (14.16%)


***************************
Time-Step Critical Elements
***************************
None


********************************
Highest Flow Instability Indexes
********************************
Link OL2 (10)
Link C-STRM-83_(C-STRM) (8)
Link OL10 (7)
Link C-STRM-71_(C-STRM) (5)
Link C-STRM-10Z_(C-STRM) (4)


*********************************
Most Frequent Nonconverging Nodes
*********************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
     1.000 -  0.871 sec     :    99.77 %
     0.871 -  0.758 sec     :     0.11 %
     0.758 -  0.660 sec     :     0.03 %
     0.660 -  0.574 sec     :     0.02 %
     0.574 -  0.500 sec     :     0.07 %


***************************
Subcatchment Runoff Summary
***************************
```

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
A15_1	62.40	0.00	0.00	44.12	11.54	5.31	16.85	0.22	0.05	0.270
A15_2	62.40	0.00	0.00	44.12	11.54	4.22	15.76	0.34	0.07	0.253
A18	62.40	0.00	0.00	33.82	23.81	4.17	27.99	0.17	0.08	0.449
A19	62.40	0.00	0.00	44.51	13.59	3.96	17.55	0.19	0.09	0.281
A20	62.40	0.00	0.00	50.77	5.09	5.25	10.34	0.50	0.09	0.166
NULL3	62.40	0.00	0.00	8.90	50.72	1.51	52.23	0.30	0.12	0.837
S1	62.40	0.00	0.00	33.92	39.12	15.76	27.50	1.79	1.22	0.441
S1_1	62.40	0.00	0.00	19.73	43.49	6.83	41.6Z	0.04	0.02	0.667
S1_2	62.40	0.00	0.00	19.76	43.49	6.79	41.58	0.06	0.03	0.666
S10_1	62.40	0.00	0.00	33.92	39.12	15.76	27.50	0.51	0.35	0.441
S10_2	62.40	0.00	0.00	33.92	39.12	15.76	27.50	0.59	0.40	0.441
S10_4	62.40	0.00	0.00	33.92	39.12	15.76	27.50	0.20	0.14	0.441
S10_5	62.40	0.00	0.00	33.92	39.12	15.76	27.50	0.35	0.24	0.441
S11	62.40	0.00	0.00	59.04	0.00	3.36	3.36	0.11	0.07	0.054
S12	62.40	0.00	0.00	19.79	43.49	6.76	41.55	0.18	0.09	0.666
S14_1	62.40	0.00	0.00	19.82	43.48	6.72	41.50	0.25	0.12	0.665
S14_3	62.40	0.00	0.00	19.94	43.48	6.59	41.37	0.44	0.21	0.663
S14_4	62.40	0.00	0.00	19.88	43.48	6.65	41.44	0.13	0.06	0.664
S14_5	62.40	0.00	0.00	19.92	43.48	6.61	41.40	0.70	0.34	0.663
S14_6	62.40	0.00	0.00	19.86	43.48	6.68	41.46	0.12	0.06	0.665
S14_7	62.40	0.00	0.00	19.88	43.48	6.66	41.44	0.50	0.24	0.664
S14_8	62.40	0.00	0.00	19.88	43.48	6.65	41.43	0.18	0.09	0.664
S15	62.40	0.00	0.00	33.92	39.12	15.76	27.50	0.45	0.31	0.441
S16_1	62.40	0.00	0.00	0.00	60.81	0.00	60.81	0.28	0.08	0.975
S16_2	62.40	0.00	0.00	0.00	60.76	0.00	60.76	0.60	0.13	0.974
S17	62.40	0.00	0.00	61.17	2.03	1.18	1.18	0.07	0.03	0.019
S18_2	62.40	0.00	0.00	32.80	40.86	16.31	28.57	0.96	0.64	0.458
S18_3	62.40	0.00	0.00	32.80	40.86	16.31	28.57	0.47	0.32	0.458
S18_4	62.40	0.00	0.00	32.80	40.86	16.31	28.57	0.25	0.17	0.458
S18_5	62.40	0.00	0.00	32.80	40.86	16.31	28.57	0.52	0.35	0.458
S18_6	62.40	0.00	0.00	32.80	40.86	16.31	28.57	0.24	0.16	0.458
S19	62.40	0.00	0.00	19.87	43.48	6.67	41.45	0.40	0.19	0.664
S2	62.40	0.00	0.00	19.90	43.48	6.63	41.41	0.15	0.07	0.664
S2_1	62.40	0.00	0.00	32.80	40.86	16.31	28.57	0.90	0.60	0.458
S2_2	62.40	0.00	0.00	32.80	40.86	16.31	28.57	0.29	0.19	0.458
S20_1	62.40	0.00	0.00	19.82	43.48	6.72	41.51	0.19	0.09	0.665
S20_2	62.40	0.00	0.00	19.83	43.48	6.71	41.49	0.10	0.05	0.665
S3	62.40	0.00	0.00	33.92	39.12	15.76	27.50	0.58	0.40	0.441
S32_1	62.40	0.00	0.00	19.78	43.49	6.77	41.56	0.18	0.09	0.666
S32_2	62.40	0.00	0.00	33.92	39.12	15.76	27.50	0.04	0.03	0.441

S36			62.40	0.00	0.00	0.00	60.72	0.00
60.72	1.10	0.20	0.973					
S4			62.40	0.00	0.00	8.31	52.13	0.61
52.74	6.97	2.10	0.845					
S5			62.40	0.00	0.00	8.04	52.14	0.88
53.02	1.69	0.59	0.850					
S6			62.40	0.00	0.00	26.66	34.79	7.06
34.89	0.12	0.07	0.559					
S7			62.40	0.00	0.00	8.01	52.14	0.91
53.05	2.11	0.75	0.850					
S8			62.40	0.00	0.00	49.85	21.73	12.00
12.00	0.19	0.10	0.192					

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Node Depth Summary
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Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.13	104.52	0 12:00	0.13
EXD_10	JUNCTION	0.04	0.28	98.94	0 12:08	0.28
EXD_11	JUNCTION	0.03	0.21	98.71	0 12:08	0.21
EXD_12	JUNCTION	0.04	0.30	98.60	0 12:05	0.30
EXD_13	JUNCTION	0.01	0.14	104.46	0 12:01	0.14
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.04	0.30	100.57	0 12:00	0.30
EXD_16	JUNCTION	0.03	0.16	100.36	0 12:00	0.16
EXD_17	JUNCTION	0.04	0.16	100.35	0 12:00	0.16
EXD_18	JUNCTION	0.02	0.14	99.54	0 12:05	0.14
EXD_19	JUNCTION	0.04	0.27	99.47	0 12:02	0.27
EXD_2	JUNCTION	0.03	0.22	103.69	0 12:02	0.22
EXD_20	JUNCTION	0.04	0.28	99.46	0 12:02	0.28
EXD_21	JUNCTION	0.04	0.24	99.42	0 12:02	0.24
EXD_22	JUNCTION	0.02	0.14	99.29	0 12:06	0.14
EXD_23	JUNCTION	0.04	0.23	98.98	0 12:11	0.23
EXD_24	JUNCTION	0.02	0.13	98.80	0 12:14	0.13
EXD_25	JUNCTION	0.04	0.25	98.77	0 12:15	0.25
EXD_26	JUNCTION	0.02	0.13	98.62	0 12:17	0.13
EXD_27	JUNCTION	0.04	0.26	98.42	0 12:00	0.26
EXD_3	JUNCTION	0.01	0.11	103.30	0 12:04	0.11
EXD_4	JUNCTION	0.01	0.11	102.76	0 12:05	0.11
EXD_5	JUNCTION	0.01	0.17	102.66	0 12:05	0.17
EXD_6	JUNCTION	0.01	0.12	102.44	0 12:05	0.12
EXD_7	JUNCTION	0.01	0.12	101.61	0 12:09	0.12
EXD_8	JUNCTION	0.04	0.34	100.82	0 12:10	0.34
EXD_9	JUNCTION	0.02	0.16	100.54	0 12:12	0.16
J1	JUNCTION	0.00	0.00	103.45	0 00:00	0.00
J13	JUNCTION	0.00	0.00	103.30	0 00:00	0.00
J17	JUNCTION	0.01	0.12	104.49	0 12:00	0.12
J19	JUNCTION	0.00	0.04	105.84	0 12:00	0.04
J2	JUNCTION	0.00	0.01	109.01	0 12:00	0.01
J20	JUNCTION	0.00	0.05	105.85	0 12:00	0.05
J21	JUNCTION	0.00	0.03	105.93	0 12:00	0.03
J22	JUNCTION	0.00	0.00	106.00	0 00:00	0.00
J23	JUNCTION	0.00	0.00	106.20	0 00:00	0.00
J27	JUNCTION	0.00	0.01	109.01	0 12:00	0.01
J28	JUNCTION	0.00	0.01	108.81	0 12:00	0.01
J3	JUNCTION	0.00	0.00	103.70	0 00:00	0.00
J31	JUNCTION	0.00	0.00	106.00	0 12:33	0.00
J35	JUNCTION	0.00	0.01	104.71	0 12:00	0.01
J36	JUNCTION	0.00	0.03	104.96	0 12:05	0.03
J37	JUNCTION	0.00	0.00	104.65	0 12:02	0.00
J38	JUNCTION	0.00	0.01	104.61	0 12:00	0.01
J39	JUNCTION	0.00	0.01	104.45	0 12:01	0.01
J4	JUNCTION	0.00	0.00	103.60	0 00:00	0.00
J40	JUNCTION	0.00	0.00	103.20	0 12:01	0.00
J42	JUNCTION	0.00	0.01	104.21	0 12:00	0.01
J43	JUNCTION	0.00	0.01	104.51	0 12:00	0.01
J45	JUNCTION	0.00	0.00	104.60	0 00:00	0.00
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.01	105.76	0 12:00	0.01
J49	JUNCTION	0.00	0.00	105.50	0 13:44	0.00
J5	JUNCTION	0.00	0.00	103.50	0 00:00	0.00
J50	JUNCTION	0.00	0.01	106.76	0 12:00	0.01
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0 00:00	0.00
J57	JUNCTION	0.00	0.01	108.41	0 12:00	0.01
J58	JUNCTION	0.00	0.01	108.01	0 12:00	0.01
J6	JUNCTION	0.00	0.00	103.40	0 00:00	0.00
J60	JUNCTION	0.00	0.01	107.01	0 12:00	0.01
J61	JUNCTION	0.00	0.01	106.51	0 12:00	0.01
J62	JUNCTION	0.00	0.00	105.70	0 13:44	0.00
J63	JUNCTION	0.00	0.03	105.23	0 12:02	0.03
J66	JUNCTION	0.00	0.01	107.76	0 12:01	0.01
J67	JUNCTION	0.00	0.00	107.50	0 12:56	0.00
J74	JUNCTION	0.21	0.71	99.16	0 12:05	0.71
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.03	0.22	98.22	0 12:00	0.22
ST4_108A (P-Stm)	OUTFALL	0.45	1.13	99.15	0 12:05	1.13
500_(C-STRM)	STORAGE	0.25	0.55	100.91	0 11:40	0.55
502_(C-STRM)	STORAGE	0.10	1.35	101.92	0 12:00	1.35
503_(C-STRM)	STORAGE	0.08	1.43	102.04	0 12:00	1.43
504_(C-STRM)	STORAGE	0.32	1.09	104.15	0 12:00	1.09
505_(C-STRM)	STORAGE	0.32	1.21	104.69	0 12:00	1.20
506_(C-STRM)	STORAGE	0.32	1.24	105.07	0 12:00	1.23
507_(C-STRM)	STORAGE	0.32	1.16	105.32	0 12:00	1.15
508_(C-STRM)	STORAGE	0.32	1.17	105.57	0 12:00	1.17
509_(C-STRM)	STORAGE	0.32	1.19	105.81	0 12:01	1.19
510_(C-STRM)	STORAGE	0.32	1.13	106.00	0 12:01	1.13
511_(C-STRM)	STORAGE	0.32	1.12	106.05	0 12:01	1.12
512_(C-STRM)	STORAGE	0.32	1.13	106.26	0 12:01	1.13
513_(C-STRM)	STORAGE	0.32	1.08	106.35	0 12:01	1.08
514_(C-STRM)	STORAGE	0.23	0.76	106.37	0 12:01	0.76
515_(C-STRM)	STORAGE	0.23	0.54	106.42	0 12:02	0.53
516_(C-STRM)	STORAGE	0.32	1.13	106.61	0 12:01	1.13
517_(C-STRM)	STORAGE	0.32	1.22	106.86	0 12:01	1.22
518_(C-STRM)	STORAGE	0.33	1.51	107.38	0 12:00	1.49
519_(C-STRM)	STORAGE	0.31	1.35	107.45	0 12:00	1.34
520_(C-STRM)	STORAGE	0.31	1.20	107.57	0 12:00	1.19
522_(C-STRM)	STORAGE	0.30	0.64	104.95	0 12:00	0.64
525_(C-STRM)	STORAGE	0.09	1.46	102.05	0 12:04	1.46
528_(C-STRM)	STORAGE	0.06	1.61	102.30	0 12:04	1.61
532_(C-STRM)	STORAGE	0.04	1.66	102.46	0 12:05	1.66
536_(C-STRM)	STORAGE	0.05	1.65	102.60	0 12:05	1.65
540_(C-STRM)	STORAGE	0.33	1.89	102.73	0 12:05	1.89
541_(C-STRM)	STORAGE	0.32	1.88	102.78	0 12:06	1.88
551_(C-STRM)	STORAGE	0.32	1.27	101.95	0 12:00	1.26
552_(C-STRM)	STORAGE	0.31	1.19	101.96	0 12:00	1.18
553_(C-STRM)	STORAGE	0.32	1.01	101.97	0 12:03	1.01
554_(C-STRM)	STORAGE	0.23	0.91	101.98	0 12:02	0.90
555_(C-STRM)	STORAGE	0.23	0.76	102.03	0 12:02	0.75
556_(C-STRM)	STORAGE	0.23	0.66	102.06	0 12:01	0.66
601_(C-STRM)	STORAGE	0.09	1.12	101.55	0 12:05	1.12
602_(C-STRM)	STORAGE	0.10	1.57	102.05	0 12:05	1.57
603_(C-STRM)	STORAGE	0.10	1.60	102.16	0 12:05	1.60
604_(C-STRM)	STORAGE	0.10	1.80	102.43	0 12:04	1.80
605_(C-STRM)	STORAGE	0.24	1.16	102.54	0 12:04	1.16
619_(C-STRM)	STORAGE	0.10	2.02	103.14	0 12:04	2.02
622_(C-STRM)	STORAGE	0.10	2.11	103.35	0 12:03	2.11
626_(C-STRM)	STORAGE	0.23	0.45	104.44	0 12:02	0.45
627_(C-STRM)	STORAGE	0.23	0.59	103.79	0 12:06	0.59
629_(C-STRM)	STORAGE	0.10	1.72	103.43	0 12:03	1.72
630_(C-STRM)	STORAGE	0.09	1.68	103.51	0 12:03	1.68
630A_(C-STRM)	STORAGE	0.09	1.66	103.54	0 12:03	1.66
633_(C-STRM)	STORAGE	0.00	0.10	105.40	0 12:02	0.10
634_(C-STRM)	STORAGE	0.24	1.61	103.50	0 12:03	1.61
637_(C-STRM)	STORAGE	0.00	0.05	105.40	0 12:02	0.05
643_(C-STRM)	STORAGE	0.24	1.57	103.63	0 12:03	1.57
644_(C-STRM)	STORAGE	0.23	1.10	103.64	0 12:03	1.09
645_(C-STRM)	STORAGE	0.06	1.36	103.65	0 12:03	1.35
646_(C-STRM)	STORAGE	0.05	1.34	103.77	0 12:03	1.34
647_(C-STRM)	STORAGE	0.05	1.29	103.86	0 12:02	1.28
650_(C-STRM)	STORAGE	0.09	1.89	102.88	0 12:04	1.89
651_(C-STRM)	STORAGE	0.10	1.86	102.74	0 12:04	1.85
652_(C-STRM)	STORAGE	0.10	1.81	102.68	0 12:04	1.81
Filter_Bed	STORAGE	0.27	0.85	100.95	0 12:08	0.85
Industrial_NORTH	STORAGE	0.00	0.01	105.21	0 12:00	0.01
Industrial_South	STORAGE	0.00	0.02	105.02	0 12:00	0.02
MTD_(C-STRM)	STORAGE	0.19	1.36	101.72	0 12:00	1.35
OVERFLOW_(C-STRM)	STORAGE	0.28	0.92	101.09	0 11:40	0.92
PARK	STORAGE	0.00	0.01	105.37	0 12:02	0.01
POND_(C-STRM)	STORAGE	0.63	1.61	100.06	0 13:30	1.61
S_504-503	STORAGE	0.00	0.03	105.78	0 12:01	0.03
S_525-MTD	STORAGE	0.00	0.05	103.50	0 12:02	0.05
S_528-525	STORAGE	0.00	0.05	103.55	0 12:02	0.05
S_532-528	STORAGE	0.00	0.05	103.70	0 12:02	0.05
S_536-532	STORAGE	0.00	0.08	103.78	0 12:02	0.08
S_540-536	STORAGE	0.00	0.06	103.91	0 12:02	0.06
S_541-541	STORAGE	0.00	0.06	103.96	0 12:03	0.06
S_607-605	STORAGE	0.00	0.06	107.96	0 12:03	0.06
S_620-619	STORAGE	0.00	0.05	106.95	0 12:02	0.05
S_622-619	STORAGE	0.00	0.03	106.03	0 12:01	0.03
S_623-622	STORAGE	0.00	0.07	106.57	0 12:02	0.06
S_627-630	STORAGE	0.00	0.03	106.73	0 12:01	0.03
S_652-604	STORAGE	0.00	0.04	105.89	0 12:02	0.04
Woodlot_North	STORAGE	0.00	0.00	106.75	0 12:01	0.00

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.087	0 12:00	0	0.181	-0.004
EXD_10	JUNCTION	0.276	0.388	0 12:00	1.39	2.46	-0.017
EXD_11	JUNCTION	0.000	0.370	0 12:08	0	2.46	0.004
EXD_12	JUNCTION	0.068	0.410	0 12:05	0.339	2.8	0.002
EXD_13	JUNCTION	0.000	0.087	0 12:00	0	0.181	-0.206
EXD_14	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.087	0.087	0 12:00	0.5	0.5	-0.002
EXD_16	JUNCTION	0.000	0.078	0 12:00	0	0.5	-0.029
EXD_17	JUNCTION	0.000	0.077	0 12:00	0	0.5	-0.064
EXD_18	JUNCTION	0.000	0.079	0 12:02	0	0.5	0.133
EXD_19	JUNCTION	0.000	0.072	0 12:05	0	0.504	-0.009
EXD_2	JUNCTION	0.000	0.085	0 12:01	0	0.181	0.281
EXD_20	JUNCTION	0.091	0.120	0 12:00	0.194	0.698	-0.003
EXD_21	JUNCTION	0.000	0.116	0 12:00	0	0.694	-0.032
EXD_22	JUNCTION	0.000	0.114	0 12:03	0	0.694	-0.033
EXD_23	JUNCTION	0.000	0.112	0 12:06	0	0.694	0.129
EXD_24	JUNCTION	0.000	0.105	0 12:12	0	0.693	0.108
EXD_25	JUNCTION	0.080	0.117	0 12:13	0.166	0.859	-0.027
EXD_26	JUNCTION	0.000	0.131	0 12:13	0	0.859	0.048
EXD_27	JUNCTION	0.115	0.561	0 12:00	0.295	3.95	0.001
EXD_3	JUNCTION	0.000	0.079	0 12:03	0	0.181	0.080
EXD_4	JUNCTION	0.000	0.079	0 12:04	0	0.18	0.041
EXD_5	JUNCTION	0.000	0.078	0 12:05	0	0.18	0.004
EXD_6	JUNCTION	0.000	0.078	0 12:05	0	0.18	-0.359
EXD_7	JUNCTION	0.031	0.108	0 12:06	0.0738	0.255	0.700
EXD_8	JUNCTION	0.175	0.206	0 12:00	0.822	1.08	-0.054
EXD_9	JUNCTION	0.000	0.217	0 12:10	0	1.08	0.099
J1	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J13	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J17	JUNCTION	0.000	0.087	0 12:00	0	0.181	0.017
J19	JUNCTION	0.019	0.033	0 12:00	0.039	0.0448	-0.185
J2	JUNCTION	0.088	0.088	0 12:00	0.181	0.181	-0.146
J20	JUNCTION	0.074	0.080	0 12:00	0.154	0.157	-0.118
J21	JUNCTION	0.028	0.028	0 12:00	0.0578	0.0578	-0.590
J22	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J23	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J27	JUNCTION	0.121	0.121	0 12:00	0.251	0.251	-0.152
J28	JUNCTION	0.335	0.336	0 12:00	0.698	0.698	-0.386
J3	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J31	JUNCTION	0.000	0.000	0 12:01	0	0.000243	10.812
J35	JUNCTION	0.194	0.195	0 12:00	0.402	0.407	-13.310
J36	JUNCTION	0.000	0.009	0 12:02	0	0.00502	5.713
J37	JUNCTION	0.000	0.000	0 12:00	0	4.49e-05	45.937
J38	JUNCTION	0.048	0.048	0 12:00	0.0982	0.0984	-0.049
J39	JUNCTION	0.000	0.000	0 11:55	0	0.000175	25.840
J4	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J40	JUNCTION	0.000	0.001	0 12:00	0	0.000367	0.081
J42	JUNCTION	0.091	0.091	0 12:00	0.187	0.188	-0.036
J43	JUNCTION	0.086	0.087	0 12:00	0.177	0.178	-0.089
J45	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J46	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J47	JUNCTION	0.061	0.062	0 12:00	0.127	0.128	-0.091
J49	JUNCTION	0.000	0.000	0 13:59	0	0.000209	16.503

J5	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J50	JUNCTION	0.085	0.086	0	12:00	0.177	0.177	- 0.133
J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J57	JUNCTION	0.210	0.211	0	12:00	0.439	0.439	- 0.452
J58	JUNCTION	0.056	0.056	0	12:00	0.115	0.116	- 0.030
J6	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J60	JUNCTION	0.239	0.239	0	12:00	0.495	0.495	- 0.065
J61	JUNCTION	0.000	0.000	0	12:00	0	0.00027	11.123
J62	JUNCTION	0.000	0.000	0	12:47	0	0.000219	5.105
J63	JUNCTION	0.000	0.011	0	12:00	0	0.00535	6.491
J66	JUNCTION	0.000	0.000	0	11:57	0	0.000189	8.327
J67	JUNCTION	0.000	0.000	0	12:02	0	0.000174	18.996
J74	JUNCTION	0.000	0.280	0	13:30	0	21.3	0.003
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	0.000 ltr
OF2	OUTFALL	0.066	0.066	0	12:00	0.119	0.119	0.000
OF3	OUTFALL	0.000	0.542	0	12:00	0	3.95	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.280	0	13:30	0	21.3	0.000
500_(C-STRM)	STORAGE	0.000	0.154	0	11:40	0	0.456	- 0.371
502_(C-STRM)	STORAGE	0.000	1.090	0	12:00	0	3.27	0.030
503_(C-STRM)	STORAGE	0.000	0.903	0	12:00	0	2.53	0.002
504_(C-STRM)	STORAGE	0.000	0.835	0	12:00	0	2.34	- 0.152
505_(C-STRM)	STORAGE	0.000	0.767	0	12:00	0	2.17	0.023
506_(C-STRM)	STORAGE	0.000	0.706	0	11:56	0	2	0.249
507_(C-STRM)	STORAGE	0.000	0.533	0	12:03	0	1.5	- 0.434
508_(C-STRM)	STORAGE	0.000	0.521	0	12:04	0	1.5	- 0.006
509_(C-STRM)	STORAGE	0.000	0.525	0	11:56	0	1.5	- 0.008
510_(C-STRM)	STORAGE	0.000	0.541	0	11:57	0	1.5	- 0.044
511_(C-STRM)	STORAGE	0.000	0.554	0	11:57	0	1.5	0.048
512_(C-STRM)	STORAGE	0.000	0.506	0	11:57	0	1.39	- 0.003
513_(C-STRM)	STORAGE	0.000	0.572	0	11:57	0	1.41	0.314
514_(C-STRM)	STORAGE	0.000	0.069	0	11:59	0	0.0267	4.816
515_(C-STRM)	STORAGE	0.000	0.031	0	12:01	0	0.00404	- 19.195
516_(C-STRM)	STORAGE	0.000	0.378	0	11:57	0	0.945	- 0.863
517_(C-STRM)	STORAGE	0.000	0.401	0	11:58	0	0.943	- 0.214
518_(C-STRM)	STORAGE	0.000	0.426	0	11:59	0	0.951	0.839
519_(C-STRM)	STORAGE	0.000	0.112	0	11:58	0	0.247	- 1.299
520_(C-STRM)	STORAGE	0.000	0.121	0	12:00	0	0.251	1.318
522_(C-STRM)	STORAGE	0.000	0.087	0	12:00	0	0.18	0.023
525_(C-STRM)	STORAGE	0.000	1.249	0	12:10	0	2.9	0.022
528_(C-STRM)	STORAGE	0.000	1.050	0	12:10	0	2.45	- 0.005
532_(C-STRM)	STORAGE	0.000	0.833	0	12:10	0	1.97	- 0.085
536_(C-STRM)	STORAGE	0.000	0.720	0	12:10	0	1.73	- 0.124
540_(C-STRM)	STORAGE	0.000	0.493	0	12:10	0	1.21	0.025
541_(C-STRM)	STORAGE	0.000	0.378	0	11:51	0	0.958	0.025
551_(C-STRM)	STORAGE	0.000	0.190	0	11:52	0	0.555	- 0.497
552_(C-STRM)	STORAGE	0.000	0.210	0	11:54	0	0.553	- 0.373
553_(C-STRM)	STORAGE	0.000	0.195	0	12:00	0	0.51	2.122
554_(C-STRM)	STORAGE	0.000	0.116	0	11:59	0	0.066	3.872
555_(C-STRM)	STORAGE	0.000	0.096	0	11:59	0	0.0288	1.311
556_(C-STRM)	STORAGE	0.000	0.052	0	12:00	0	0.00609	- 11.919
601_(C-STRM)	STORAGE	0.000	4.433	0	12:05	0	12.9	- 0.000
602_(C-STRM)	STORAGE	0.000	4.433	0	12:04	0	12.9	0.000
603_(C-STRM)	STORAGE	0.000	4.340	0	12:04	0	12.7	- 0.001
604_(C-STRM)	STORAGE	0.000	4.341	0	12:04	0	12.7	- 0.022
605_(C-STRM)	STORAGE	0.000	0.664	0	11:51	0	1.2	1.109
619_(C-STRM)	STORAGE	0.000	3.462	0	12:02	0	10.9	0.001
622_(C-STRM)	STORAGE	0.000	3.281	0	12:00	0	10.6	- 0.107
626_(C-STRM)	STORAGE	0.000	0.067	0	12:01	0	0.111	- 1.034
627_(C-STRM)	STORAGE	0.000	0.166	0	12:02	0	0.241	0.499
629_(C-STRM)	STORAGE	0.000	2.461	0	12:00	0	9.15	0.083
630_(C-STRM)	STORAGE	0.000	2.531	0	12:00	0	9.15	0.003
630A_(C-STRM)	STORAGE	0.000	2.410	0	12:00	0	8.91	0.060
633_(C-STRM)	STORAGE	0.195	0.195	0	12:00	0.29	0.29	0.000
634_(C-STRM)	STORAGE	0.000	0.524	0	12:03	0	0.781	- 0.257
637_(C-STRM)	STORAGE	0.603	0.603	0	12:00	0.898	0.898	0.000
643_(C-STRM)	STORAGE	0.000	0.407	0	12:01	0	0.614	1.698
644_(C-STRM)	STORAGE	0.000	0.100	0	11:59	0	0.0272	- 12.122
645_(C-STRM)	STORAGE	0.000	0.608	0	12:03	0	1.95	0.120
646_(C-STRM)	STORAGE	0.000	0.595	0	12:02	0	1.89	0.001
647_(C-STRM)	STORAGE	0.000	0.543	0	11:55	0	1.73	0.051
650_(C-STRM)	STORAGE	0.000	3.438	0	12:03	0	10.9	- 0.003
651_(C-STRM)	STORAGE	0.000	3.423	0	12:03	0	10.9	- 0.000
652_(C-STRM)	STORAGE	0.000	3.683	0	12:03	0	11.5	0.021
Filter_Bed	STORAGE	0.000	2.266	0	12:00	0	5.74	0.733
Industrial_NORTH	STORAGE	2.096	2.096	0	12:00	6.97	6.97	- 0.085
Industrial_South	STORAGE	0.593	0.593	0	12:00	1.69	1.69	- 0.048
MTD_(C-STRM)	STORAGE	0.000	2.218	0	12:00	0	6.17	- 0.011
OVERFLOW_(C-STRM)	STORAGE	0.000	2.221	0	12:01	0	6.17	- 0.513
PARK	STORAGE	0.102	0.102	0	12:01	0.192	0.192	- 0.001
POND_(C-STRM)	STORAGE	0.957	6.641	0	12:06	2.3	21.3	- 0.041
S_504-503	STORAGE	0.030	0.030	0	12:00	0.0438	0.0438	0.021
S_525-MTD	STORAGE	0.307	0.307	0	12:00	0.45	0.45	- 0.013
S_528-525	STORAGE	0.318	0.318	0	12:00	0.473	0.473	- 0.013
S_532-528	STORAGE	0.161	0.161	0	12:00	0.24	0.24	- 0.014
S_536-532	STORAGE	0.351	0.351	0	12:00	0.523	0.523	- 0.013
S_540-536	STORAGE	0.168	0.168	0	12:00	0.25	0.25	- 0.013
S_545-541	STORAGE	0.643	0.643	0	12:00	0.958	0.958	- 0.013
S_607-605	STORAGE	1.222	1.222	0	12:00	1.79	1.79	0.000
S_620-619	STORAGE	0.346	0.346	0	12:00	0.507	0.507	- 0.001
S_622-619	STORAGE	0.237	0.237	0	12:00	0.347	0.347	- 0.000
S_623-622	STORAGE	0.400	0.400	0	12:00	0.586	0.586	- 0.000
S_627-630	STORAGE	0.138	0.138	0	12:00	0.202	0.202	- 0.000
S_652-604	STORAGE	0.398	0.398	0	12:00	0.583	0.583	- 0.013
Woodlot_North	STORAGE	0.072	0.072	0	12:00	0.111	0.111	- 0.001

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	8.8	0.0	0.0	0.001	19.6	0 11:40	0.154
502_(C-STRM)	0.000	2.6	0.0	0.0	0.002	36.6	0 12:00	1.081
503_(C-STRM)	0.000	2.2	0.0	0.0	0.002	36.6	0 12:00	0.901
504_(C-STRM)	0.000	11.5	0.0	0.0	0.001	38.9	0 12:00	0.825
505_(C-STRM)	0.000	9.9	0.0	0.0	0.001	36.9	0 12:00	0.755
506_(C-STRM)	0.000	10.2	0.0	0.0	0.001	39.3	0 12:00	0.683
507_(C-STRM)	0.000	9.9	0.0	0.0	0.001	36.3	0 12:00	0.549
508_(C-STRM)	0.000	9.9	0.0	0.0	0.001	36.8	0 12:00	0.533
509_(C-STRM)	0.000	10.1	0.0	0.0	0.001	38.2	0 12:01	0.521
510_(C-STRM)	0.000	10.3	0.0	0.0	0.001	36.8	0 12:01	0.525
511_(C-STRM)	0.000	10.4	0.0	0.0	0.001	36.5	0 12:01	0.541
512_(C-STRM)	0.000	10.2	0.0	0.0	0.001	36.4	0 12:01	0.499
513_(C-STRM)	0.000	10.2	0.0	0.0	0.001	34.8	0 12:01	0.538
514_(C-STRM)	0.000	7.3	0.0	0.0	0.001	24.2	0 12:01	0.063
515_(C-STRM)	0.000	7.0	0.0	0.0	0.001	16.8	0 12:02	0.022
516_(C-STRM)	0.000	10.4	0.0	0.0	0.001	37.3	0 12:01	0.367
517_(C-STRM)	0.000	10.7	0.0	0.0	0.001	40.8	0 12:01	0.378
518_(C-STRM)	0.000	11.4	0.0	0.0	0.002	52.0	0 12:00	0.401
519_(C-STRM)	0.000	11.0	0.0	0.0	0.002	48.3	0 12:00	0.134
520_(C-STRM)	0.000	11.7	0.0	0.0	0.001	45.7	0 12:00	0.112
522_(C-STRM)	0.000	10.1	0.0	0.0	0.001	21.5	0 12:00	0.086
525_(C-STRM)	0.000	3.4	0.0	0.0	0.002	53.8	0 12:04	1.257
528_(C-STRM)	0.000	2.1	0.0	0.0	0.002	59.3	0 12:04	1.057
532_(C-STRM)	0.000	1.6	0.0	0.0	0.002	61.4	0 12:05	0.842
536_(C-STRM)	0.000	1.7	0.0	0.0	0.002	62.1	0 12:05	0.739
540_(C-STRM)	0.000	11.3	0.0	0.0	0.002	65.9	0 12:05	0.512
541_(C-STRM)	0.000	10.9	0.0	0.0	0.002	64.3	0 12:06	0.411
551_(C-STRM)	0.000	8.4	0.0	0.0	0.001	33.6	0 12:00	0.172
552_(C-STRM)	0.000	8.1	0.0	0.0	0.001	30.8	0 12:00	0.190
553_(C-STRM)	0.000	8.4	0.0	0.0	0.001	26.8	0 12:03	0.188
554_(C-STRM)	0.000	6.0	0.0	0.0	0.001	23.3	0 12:02	0.096
555_(C-STRM)	0.000	5.6	0.0	0.0	0.001	18.5	0 12:02	0.052
556_(C-STRM)	0.000	5.4	0.0	0.0	0.001	15.8	0 12:01	0.019
601_(C-STRM)	0.000	2.0	0.0	0.0	0.001	25.2	0 12:05	4.434
602_(C-STRM)	0.000	2.5	0.0	0.0	0.002	37.7	0 12:05	4.433
603_(C-STRM)	0.000	2.5	0.0	0.0	0.002	40.2	0 12:05	4.339

604_(C-STRM)	0.000	2.0	0.0	0.0	0.002	35.1	0	12:04
4.340								
605_(C-STRM)	0.000	4.4	0.0	0.0	0.001	21.7	0	12:04
0.679								
619_(C-STRM)	0.000	1.8	0.0	0.0	0.002	37.4	0	12:04
3.438								
622_(C-STRM)	0.000	2.0	0.0	0.0	0.002	44.1	0	12:03
3.229								
626_(C-STRM)	0.000	7.1	0.0	0.0	0.001	14.0	0	12:02
0.067								
627_(C-STRM)	0.000	6.6	0.0	0.0	0.001	17.0	0	12:06
0.170								
629_(C-STRM)	0.000	2.2	0.0	0.0	0.002	39.0	0	12:03
2.389								
630_(C-STRM)	0.000	2.0	0.0	0.0	0.002	38.4	0	12:03
2.461								
630A_(C-STRM)	0.000	2.2	0.0	0.0	0.002	40.3	0	12:03
2.381								
633_(C-STRM)	0.001	0.2	0.0	34.1	0.071	20.0	0	12:02
0.133								
634_(C-STRM)	0.000	6.3	0.0	0.0	0.002	42.2	0	12:03
0.535								
637_(C-STRM)	0.001	0.0	0.0	33.5	0.108	9.8	0	12:02
0.396								
643_(C-STRM)	0.000	6.9	0.0	0.0	0.002	45.4	0	12:03
0.422								
644_(C-STRM)	0.000	7.3	0.0	0.0	0.001	34.6	0	12:03
0.066								
645_(C-STRM)	0.000	1.6	0.0	0.0	0.002	37.6	0	12:03
0.609								
646_(C-STRM)	0.000	1.4	0.0	0.0	0.002	40.2	0	12:03
0.587								
647_(C-STRM)	0.000	1.5	0.0	0.0	0.001	42.6	0	12:02
0.539								
650_(C-STRM)	0.000	1.8	0.0	0.0	0.002	36.6	0	12:04
3.423								
651_(C-STRM)	0.000	2.0	0.0	0.0	0.002	37.2	0	12:04
3.419								
652_(C-STRM)	0.000	2.1	0.0	0.0	0.002	36.4	0	12:04
3.681								
Filter_Bed	0.530	15.9	0.0	0.0	1.753	52.5	0	12:08
1.881								
Industrial_NORTH	0.001	0.0	0.0	0.0	0.042	1.7	0	12:00
2.079								
Industrial_South	0.000	0.0	0.0	0.0	0.027	3.6	0	12:00
0.529								
MTD_(C-STRM)	0.000	6.2	0.0	0.0	0.002	44.9	0	12:00
2.221								
OVERFLOW_(C-STRM)	0.000	10.0	0.0	0.0	0.001	32.6	0	11:40
2.369								
PARK	0.000	0.0	0.0	0.0	0.006	1.3	0	12:02
0.100								
POND_(C-STRM)	2.921	8.1	0.0	0.0	11.919	32.9	0	13:30
0.280								
S_504-503	0.000	0.0	0.0	0.0	0.004	6.5	0	12:01
0.022								
S_525-MTD	0.000	0.1	0.0	0.0	0.058	10.2	0	12:02
0.132								
S_528-525	0.000	0.1	0.0	0.0	0.055	9.5	0	12:02
0.211								
S_532-528	0.000	0.1	0.0	0.0	0.028	9.5	0	12:02
0.107								
S_536-532	0.000	0.1	0.0	0.0	0.065	15.2	0	12:02
0.222								
S_540-536	0.000	0.1	0.0	0.0	0.026	12.9	0	12:02
0.113								
S_545-541	0.001	0.1	0.0	0.0	0.147	12.5	0	12:03
0.378								
S_607-605	0.002	0.1	0.0	33.2	0.274	12.0	0	12:03
0.707								
S_620-619	0.000	0.0	0.0	31.8	0.044	10.3	0	12:02
0.243								
S_622-619	0.000	0.0	0.0	33.7	0.024	5.4	0	12:01
0.184								
S_623-622	0.000	0.1	0.0	31.8	0.065	13.0	0	12:02
0.250								
S_627-630	0.000	0.0	0.0	36.1	0.015	5.8	0	12:01
0.105								
S_652-604	0.000	0.1	0.0	0.0	0.065	8.8	0	12:02
0.264								
Woodlot_North	0.000	0.0	0.0	0.0	0.005	1.0	0	12:01
0.067								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	45.86	0.002	0.066	0.119
OF3	94.89	0.024	0.542	3.954
ST4_108A_(P-Stm)	95.16	0.130	0.280	21.331
System	58.98	0.156	0.776	25.404

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.078	0 12:00	1.04	1.16	0.58
BDR-C2	CONDUIT	0.116	0 12:00	1.38	2.22	0.65
BDR-C3	CONDUIT	0.131	0 12:13	1.94	0.67	0.38
BDR-C4	CONDUIT	0.410	0 12:05	2.11	0.13	0.23
C1	CHANNEL	0.000	0 12:00	0.07	0.00	0.03
C1_1	CHANNEL	0.000	0 12:00	0.08	0.00	0.03
C1_11	CHANNEL	0.001	0 12:00	0.28	0.00	0.03
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.02
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.02
C1_4	CHANNEL	0.000	0 11:57	0.21	0.00	0.02
C1_5	CHANNEL	0.001	0 12:00	0.15	0.00	0.03
C1_6	CHANNEL	0.000	0 12:02	0.17	0.00	0.01
C1_7	CHANNEL	0.000	0 12:56	0.00	0.00	0.02
C1_8	CHANNEL	0.000	0 12:00	0.13	0.00	0.03
C1_9	CHANNEL	0.001	0 12:00	0.23	0.00	0.03
C2	CHANNEL	0.001	0 12:00	0.31	0.00	0.03
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.009	0 12:02	0.37	0.00	0.11
C2_11	CHANNEL	0.006	0 12:05	0.56	0.00	0.07
C2_12	CHANNEL	0.000	0 12:00	0.11	0.00	0.02
C2_13	CHANNEL	0.000	0 12:02	0.04	0.00	0.02
C2_14	CHANNEL	0.000	0 11:55	0.20	0.00	0.03
C2_15	CHANNEL	0.000	0 12:00	0.14	0.00	0.03
C2_16	CHANNEL	0.001	0 12:00	0.22	0.00	0.04
C2_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.02
C2_2	CHANNEL	0.000	0 12:00	0.27	0.00	0.04
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.02
C2_4	CHANNEL	0.000	0 12:01	0.29	0.00	0.02
C2_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C2_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_8	CHANNEL	0.011	0 12:00	0.35	0.00	0.12
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C3_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.06
C3_6	CHANNEL	0.006	0 12:00	0.15	0.00	0.16
C3_7	CHANNEL	0.015	0 12:00	0.25	0.01	0.17
C4	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C4_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C4_6	CHANNEL	0.001	0 12:00	0.61	0.00	0.02
C4_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C5_1	CHANNEL	0.087	0 12:00	0.28	0.02	0.12
C5_10	CHANNEL	0.077	0 12:00	0.45	0.02	0.20
C5_11	CHANNEL	0.072	0 12:05	0.19	0.03	0.24
C5_12	CHANNEL	0.542	0 12:00	1.04	0.05	0.22
C5_13	CHANNEL	0.079	0 12:02	0.53	0.02	0.19
C5_14	CHANNEL	0.077	0 12:05	0.14	0.05	0.31
C5_15	CHANNEL	0.112	0 12:06	0.37	0.03	0.23
C5_16	CHANNEL	0.105	0 12:12	0.38	0.02	0.16
C5_17	CHANNEL	0.104	0 12:14	0.22	0.01	0.17
C5_18	CHANNEL	0.000	0 12:47	0.00	0.00	0.01
C5_19	CHANNEL	0.114	0 12:03	0.39	0.08	0.21
C5_2	CHANNEL	0.079	0 12:03	0.53	0.01	0.16
C5_20	CHANNEL	0.114	0 12:17	0.24	0.01	0.17
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.19
C5_23	CHANNEL	0.087	0 12:00	0.27	0.02	0.12
C5_24	CHANNEL	0.000	0 13:59	0.00	0.00	0.01
C5_25	CHANNEL	0.000	0 15:14	0.00	0.00	0.02
C5_3	CHANNEL	0.085	0 12:01	0.49	0.01	0.16
C5_4	CHANNEL	0.078	0 12:05	0.47	0.00	0.12
C5_5	CHANNEL	0.080	0 12:06	0.59	0.01	0.11
C5_6	CHANNEL	0.079	0 12:04	0.66	0.00	0.09
C5_7	CHANNEL	0.192	0 12:12	0.42	0.02	0.21
C5_8	CHANNEL	0.097	0 12:09	0.20	0.01	0.21
C5_9	CHANNEL	0.370	0 12:08	0.64	0.03	0.24
C6	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C7	CONDUIT	0.000	0 12:01	0.00	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT	0.367	0 12:01	1.09	0.98	1.00	
C-STRM-1_(1)_(C-STRM) CONDUIT	0.378	0 11:57	1.07	1.16	1.00	
C-STRM-1_(C-STRM) CONDUIT	0.401	0 11:58	1.42	1.68	1.00	
C-STRM-100_(C-STRM) CONDUIT	0.154	0 11:40	1.25	0.35	0.45	
C-STRM-101_(C-STRM) CONDUIT	0.154	0 11:40	1.41	0.35	0.41	
C-STRM-102_(C-STRM) CONDUIT	2.265	0 12:00	4.02	1.17	0.83	
C-STRM-105_(C-STRM) CONDUIT	0.578	0 12:03	1.00	0.82	1.00	
C-STRM-106_(C-STRM) CONDUIT	0.422	0 12:10	1.15	0.98	1.00	
C-STRM-107_(1)_(C-STRM) CONDUIT	3.681	0 12:04	1.72	1.04	1.00	
C-STRM-107_(C-STRM) CONDUIT	3.419	0 12:03	1.60	0.97	1.00	
C-STRM-2_(1)_(C-STRM) CONDUIT	0.499	0 11:57	1.45	0.88	1.00	
C-STRM-2_(C-STRM) CONDUIT	0.506	0 11:57	1.48	0.90	1.00	
C-STRM-20_(C-STRM) CONDUIT	0.067	0 12:02	1.36	0.24	0.40	
C-STRM-21_(C-STRM) CONDUIT	0.170	0 12:02	1.35	0.56	0.64	
C-STRM-22_(1)_(C-STRM) CONDUIT	2.389	0 12:00	1.77	0.87	1.00	
C-STRM-22_(C-STRM) CONDUIT	2.461	0 12:00	1.74	0.90	1.00	
C-STRM-23_(C-STRM) CONDUIT	0.535	0 12:05	1.22	0.96	1.00	
C-STRM-26_(1)_(C-STRM) CONDUIT	0.172	0 12:14	0.82	0.51	1.00	
C-STRM-26_(C-STRM) CONDUIT	0.190	0 11:52	0.87	0.57	1.00	
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.683	0 12:00	1.59	0.87	1.00	
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.549	0 12:03	1.67	0.92	1.00	
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT	0.533	0 12:03	1.49	0.90	1.00	
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT	0.521	0 12:04	1.46	0.88	1.00	
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT	0.525	0 11:56	1.58	0.93	1.00	
C-STRM-3_(1)_(C-STRM) CONDUIT	0.541	0 11:57	1.70	0.96	1.00	
C-STRM-33_(1)_(C-STRM) CONDUIT	0.587	0 12:03	1.06	0.84	1.00	
C-STRM-33_(C-STRM) CONDUIT	0.539	0 12:02	1.07	0.77	1.00	
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT	0.096	0 11:59	0.61	0.56	0.93	
C-STRM-34_(1)_(C-STRM) CONDUIT	0.052	0 12:00	0.41	0.30	0.77	
C-STRM-35_(1)_(C-STRM) CONDUIT	0.164	0 11:54	0.94	0.67	1.00	
C-STRM-35_(C-STRM) CONDUIT	0.116	0 11:59	0.52	0.47	1.00	
C-STRM-4_(1)_(C-STRM) CONDUIT	0.825	0 12:00	2.01	0.96	0.88	
C-STRM-4_(C-STRM) CONDUIT	0.755	0 12:00	1.71	0.96	1.00	
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT	3.423	0 12:03	1.60	0.97	1.00	
C-STRM-46_(1)_(C-STRM) CONDUIT	3.438	0 12:03	1.61	0.97	1.00	
C-STRM-49_(C-STRM) CONDUIT	0.411	0 12:12	0.84	0.74	1.00	
C-STRM-50_(C-STRM) CONDUIT	0.512	0 12:12	0.96	0.92	1.00	
C-STRM-51_(C-STRM) CONDUIT	0.739	0 12:12	1.16	1.05	1.00	
C-STRM-52_(C-STRM) CONDUIT	0.842	0 12:11	1.13	0.97	1.00	
C-STRM-53_(C-STRM) CONDUIT	1.057	0 12:10	1.42	1.22	1.00	
C-STRM-57_(C-STRM) CONDUIT	0.901	0 12:00	1.21	1.04	1.00	
C-STRM-60_(C-STRM) CONDUIT	0.064	0 12:11	0.70	0.45	1.00	
C-STRM-62_(C-STRM) CONDUIT	0.112	0 11:58	0.94	0.87	1.00	
C-STRM-63_(C-STRM) CONDUIT	0.134	0 12:01	0.62	0.80	1.00	
C-STRM-64_(C-STRM) CONDUIT	0.086	0 12:00	0.98	0.99	0.75	
C-STRM-76_(C-STRM) CONDUIT	1.257	0 12:10	1.68	1.25	1.00	
C-STRM-77_(C-STRM) CONDUIT	2.221	0 12:01	2.69	1.15	0.93	
C-STRM-78_(C-STRM) CONDUIT	1.081	0 12:00	1.45	0.88	1.00	
C-STRM-79_(1)_(C-STRM) CONDUIT	4.340	0 12:04	1.74	1.19	0.95	
C-STRM-79_(C-STRM) CONDUIT	0.679	0 12:11	1.65	0.97	0.97	
C-STRM-8_(1)_(C-STRM) CONDUIT	0.069	0 11:59	0.39	0.36	0.94	
C-STRM-8_(C-STRM) CONDUIT	0.031	0 12:01	0.31	0.24	0.69	
C-STRM-80_(C-STRM) CONDUIT	4.339	0 12:05	1.83	1.20	0.88	
C-STRM-81_(C-STRM) CONDUIT	4.433	0 12:05	2.17	1.22	0.75	
C-STRM-82_(C-STRM) CONDUIT	4.434	0 12:05	2.78	1.22	0.60	
C-STRM-83_(1)_(C-STRM) CONDUIT	2.381	0 12:00	1.69	0.87	1.00	
C-STRM-84_(C-STRM) CONDUIT	3.229	0 12:02	1.51	0.92	1.00	
C-STRM-87_(C-STRM) CONDUIT	0.051	0 11:59	0.58	0.59	1.00	
CVR-C2 CONDUIT	0.078	0 12:05	1.81	0.29	0.32	
CVR-C3 CONDUIT	0.217	0 12:10	2.67	1.33	0.62	
CVR-C4 CONDUIT	0.370	0 12:08	2.19	0.12	0.21	
ST4-Pipe_-_(99)_(P-Stm) CONDUIT	0.280	0 13:30	1.22	0.29	0.86	
W1	CHANNEL	1.855	0 12:09	0.83	0.01	0.03
OR1	ORIFICE	0.280	0 13:30			1.00
OR2	ORIFICE	0.000	0 00:00			0.00
W10	WEIR	0.000	0 00:00			0.00
W11	WEIR	0.000	0 00:00			0.00
W12	WEIR	0.000	0 00:00			0.00
W13	WEIR	0.000	0 00:00			0.00
W14	WEIR	0.000	0 00:00			0.00
W15	WEIR	0.000	0 00:00			0.00
W16	WEIR	0.000	0 00:00			0.00
W17	WEIR	0.000	0 00:00			0.00
W2	WEIR	0.000	0 00:00			0.00
W3	WEIR	0.000	0 00:00			0.00
W4	WEIR	0.000	0 00:00			0.00
W5	WEIR	0.000	0 00:00			0.00
W6	WEIR	0.000	0 00:00			0.00
W7	WEIR	0.000	0 00:00			0.00
W8	WEIR	0.000	0 00:00			0.00
W9	WEIR	0.000	0 00:00			0.00
C-STRM-108_(1)_(C-STRM) DUMMY	0.126	0 12:02				
C-STRM-1_(1)_(C-STRM) DUMMY	0.664	0 11:51				
C-STRM-27_(C-STRM) DUMMY	0.248	0 11:52				
C-STRM-42_(C-STRM) DUMMY	0.378	0 11:51				
C-STRM-44_(1)_(C-STRM) DUMMY	0.192	0 11:52				
C-STRM-45_(1)_(C-STRM) DUMMY	0.233	0 11:52				
C-STRM-61_(C-STRM) DUMMY	0.374	0 11:52				
C-STRM-71_(C-STRM) DUMMY	0.529	0 11:55				
C-STRM-83_(C-STRM) DUMMY	2.079	0 12:00				
C-STRM-93_(C-STRM) DUMMY	0.113	0 11:51				
C-STRM-96_(1)_(C-STRM) DUMMY	0.222	0 11:51				
C-STRM-97_(1)_(C-STRM) DUMMY	0.107	0 11:52				
C-STRM-98_(1)_(C-STRM) DUMMY	0.211	0 11:52				
OL1	DUMMY	0.175	0 11:54			
OL10	DUMMY	0.026	0 03:11			
OL11	DUMMY	0.085	0 12:00			
OL12	DUMMY	0.238	0 12:00			
OL13	DUMMY	0.056	0 12:00			
OL14	DUMMY	0.210	0 12:00			
OL15	DUMMY	0.335	0 12:00			
OL16	DUMMY	0.087	0 12:00			
OL17	DUMMY	0.121	0 12:00			
OL18	DUMMY	0.014	0 11:48			
OL19	DUMMY	0.056	0 11:49			
OL2	DUMMY	0.195	0 12:00			
OL20	DUMMY	0.022	0 11:53			
OL21	DUMMY	0.100	0 12:02			
OL22	DUMMY	0.021	0 11:48			
OL3	DUMMY	0.047	0 12:00			
OL4	DUMMY	0.091	0 12:00			
OL5	DUMMY	0.086	0 12:00			
OL6	DUMMY	0.067	0 12:01			
OL7	DUMMY	0.099	0 11:53			
OL8	DUMMY	0.264	0 11:52			
OL9	DUMMY	0.061	0 12:00			

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Flow Classification Summary

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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.46	0.00
BDR-C2	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.34	0.00
BDR-C3	1.00	0.05	0.00	0.00	0.39	0.56	0.00	0.00	0.00	0.00
BDR-C4	1.00	0.05	0.00	0.00	0.70	0.25	0.00	0.00	0.92	0.00
C1	1.00	0.52	0.02	0.00	0.46	0.00	0.00	0.00	0.75	0.00
C1_1	1.00	0.51	0.02	0.00	0.47	0.00	0.00	0.00	0.75	0.00
C1_11	1.00	0.53	0.01	0.00	0.44	0.02	0.00	0.00	0.01	0.00
C1_2	1.00	0.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.05	0.49	0.00	0.45	0.01	0.00	0.00	0.75	0.00
C1_5	1.00	0.52	0.00	0.00	0.46	0.01	0.00	0.00	0.01	0.00
C1_6	1.00	0.24	0.00	0.00	0.75	0.01	0.00	0.00	0.73	0.00
C1_7	1.00	0.05	0.20	0.00	0.52	0.23	0.00	0.00	0.00	0.00
C1_8	1.00	0.53	0.01	0.00	0.46	0.01	0.00	0.00	0.76	0.00
C1_9	1.00	0.53	0.01	0.00	0.44	0.02	0.00	0.00	0.00	0.00
C2	1.00	0.54	0.00	0.00	0.00	0.00	0.00	0.00	0.46	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.24	0.00	0.00	0.75	0.01	0.00	0.00	0.75	0.00
C2_11	1.00	0.11	0.14	0.00	0.52	0.23	0.00	0.00	0.00	0.00
C2_12	1.00	0.11	0.49	0.00	0.40	0.01	0.00	0.00	0.75	0.00
C2_13	1.00	0.05	0.09	0.00	0.77	0.10	0.00	0.00	0.01	0.00
C2_14	1.00	0.05	0.49	0.00	0.46	0.01	0.00	0.00	0.75	0.00
C2_15	1.00	0.05	0.20	0.00	0.63	0.13	0.00	0.00	0.01	0.00
C2_16	1.00	0.54	0.00	0.00	0.45	0.01	0.00	0.00	0.75	0.00
C2_18	1.00	0.54	0.00	0.00	0.46	0.00	0.00	0.00	0.00	0.00
C2_2	1.00	0.05	0.49	0.00	0.45	0.01	0.00	0.00	0.75	0.00
C2_3	1.00	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.24	0.00	0.00	0.75	0.01	0.00	0.00	0.74	0.00
C2_5	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_8	1.00	0.05	0.50	0.00	0.45	0.01	0.00	0.00	0.75	0.00
C2_9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_2	1.00	0.54	0.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_6	1.00	0.53	0.01	0.00	0.46	0.00	0.00	0.00	0.76	0.00
C3_7	1.00	0.53	0.00	0.00	0.47	0.00	0.00	0.00	0.02	0.00
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_6	1.00	0.54	0.00	0.00	0.44	0.02	0.00	0.00	0.00	0.00
C4_7	1.00	0.79	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_1	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.00	0.59	0.00
C5_10	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.94	0.00
C5_11	1.00	0.05	0.01	0.00	0.94	0.00	0.00	0.00	0.94	0.00
C5_12	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.05	0.00	0.00	0.56	0.39	0.00	0.00	0.00	0.00
C5_14	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.33	0.00
C5_15	1.00	0.05	0.00	0.00	0.93	0.01	0.00	0.00	0.91	0.00
C5_16	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.05	0.03	0.00	0.92	0.00	0.00	0.00	0.92	0.00
C5_18	1.00	0.25	0.00	0.00	0.73	0.02	0.00	0.00	0.72	0.00
C5_19	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.38	0.00
C5_2	1.00	0.07	0.00	0.00	0.68	0.25	0.00	0.00	0.00	0.00
C5_20	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C5_21	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.05	0.00	0.00	0.84	0.10	0.00	0.00	0.48	0.00
C5_24	1.00	0.25	0.00	0.00	0.72	0.03	0.00	0.00	0.69	0.00
C5_25	1.00	0.05	0.22	0.00	0.37	0.37	0.00	0.00	0.00	0.00
C5_3	1.00	0.06	0.00	0.00	0.94	0.01	0.00	0.00	0.92	0.00
C5_4	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.91	0.00
C5_5	1.00	0.09	0.00	0.00	0.90	0.01	0.00	0.00	0.02	0.00
C5_6	1.00	0.08	0.00	0.00	0.92	0.00	0.00	0.00	0.63	0.00
C5_7	1.00	0.05	0.01	0.00	0.94	0.00	0.00	0.00	0.94	0.00
C5_8	1.00	0.05	0.05	0.00	0.90	0.00	0.00	0.00	0.90	0.00
C5_9	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.89	0.00
C6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C7	1.00	0.79	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.05	0.00	0.01	0.00	0.94	0.00	0.00	0.00	0.11	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.22	0.00
C-STRM-1_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.21	0.64	0.00	0.12	0.00	0.00	0.04	0.71	0.00
C-STRM-101_(C-STRM)	1.00	0.21	0.00	0.00	0.00	0.00	0.00	0.79	0.00	0.00
C-STRM-102_(C-STRM)	1.00	0.05	0.00	0.00	0.82	0.13	0.00	0.00	0.03	0.00
C-STRM-105_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.74	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.02	0.00	0.00	0.93	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.33	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.00	0.40	0.00
C-STRM-2_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.61	0.00
C-STRM-200_(C-STRM)	1.00	0.25	0.00	0.00	0.00	0.00	0.00	0.75	0.01	0.00
C-STRM-21_(C-STRM)	1.00	0.24	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.86	0.00
C-STRM-23_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.75	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.03	0.00	0.00	0.92	0.01	0.00
C-STRM-26_(C-STRM)	1.00	0.05	0.01	0.00	0.93	0.00	0.00	0.00	0.92	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.55	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.01	0.00	0.00	0.93	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.00	0.93	0.00	0.00	0.00	0.50	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.06	0.00	0.00	0.93	0.00	0.00	0.01	0.37	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.15	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.01	0.40	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.92	0.00
C-STRM-33_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.78	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.25	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.25	0.70	0.00	0.05	0.00	0.00	0.00	0.75	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.05	0.82	0.00	0.12	0.00	0.00	0.00	0.74	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.05	0.00	0.00	0.90	0.04	0.00	0.00	0.50	0.00
C-STRM-46_(1)_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.81	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.45	0.00
C-STRM-49_(C-STRM)	1.00	0.05	0.25	0.00	0.70	0.00	0.00	0.00	0.90	0.00
C-STRM-50_(C-STRM)	1.00	0.05	0.00	0.00	0.02	0.00	0.00	0.92	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.05	0.00	0.00	0.03	0.00	0.00	0.92	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.81	0.00
C-STRM-53_(C-STRM)	1.00	0.05	0.12	0.00	0.83	0.00	0.00	0.00	0.66	0.00
C-STRM-57_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.40	0.00
C-STRM-60_(C-STRM)	1.00	0.25	0.00	0.00	0.01	0.00	0.00	0.75	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.06	0.00	0.00	0.04	0.00	0.00	0.90	0.02	0.00
C-STRM-64_(C-STRM)	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.94	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.05	0.00	0.00	0.45	0.00	0.00	0.50	0.09	0.00
C-STRM-77_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.33	0.00
C-STRM-78_(C-STRM)	1.00	0.05	0.00	0.00	0.45	0.00	0.00	0.50	0.08	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.43	0.00
C-STRM-79_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.75	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-8_(C-STRM)	1.00	0.25	0.00	0.00	0.00	0.00	0.00	0.75	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.78	0.00
C-STRM-81_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.44	0.00
C-STRM-82_(C-STRM)	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.05	0.00	0.00	0.00	0.95	0.00	0.00	0.00	0.24	0.00
C-STRM-84_(C-STRM)	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.36	0.00
C-STRM-87_(C-STRM)	1.00	0.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.09	0.00	0.00	0.71	0.20	0.00	0.00	0.83	0.00
CVR-C3	1.00	0.05	0.00	0.00	0.20	0.76	0.00	0.00	0.04	0.00
CVR-C4	1.00	0.05	0.00	0.00	0.39	0.57	0.00	0.00	0.13	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.05	0.00	0.00	0.94	0.00	0.00	0.02	0.21	0.00
W1	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.01	0.01	0.14	0.01
BDR-C2	0.01	0.01	0.01	0.51	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.11	0.11	0.11	0.01	0.08
C-STRM-1_(1)_(C-STRM)	0.11	0.15	0.11	0.17	0.10
C-STRM-1_(C-STRM)	0.15	0.23	0.15	0.26	0.15
C-STRM-102_(C-STRM)	0.01	0.01	0.01	0.16	0.01
C-STRM-105_(C-STRM)	0.17	0.17	0.19	0.01	0.01
C-STRM-106_(C-STRM)	0.21	0.21	0.22	0.01	0.18
C-STRM-107_(1)_(C-STRM)	0.01	0.16	0.01	0.09	0.01
C-STRM-107_(C-STRM)	0.16	0.18	0.16	0.01	0.16
C-STRM-2_(1)_(C-STRM)	0.12	0.14	0.12	0.01	0.12
C-STRM-2_(C-STRM)	0.11	0.11	0.14	0.01	0.01
C-STRM-200_(C-STRM)	0.12	0.12	0.14	0.01	0.01
C-STRM-22_(C-STRM)	0.11	0.11	0.12	0.01	0.01
C-STRM-23_(C-STRM)	0.21	0.22	0.21	0.01	0.17
C-STRM-26_(1)_(C-STRM)	0.28	0.28	0.32	0.01	0.01
C-STRM-26_(C-STRM)	0.21	0.21	0.28	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.09	0.10	0.09	0.01	0.08
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.09	0.10	0.10	0.01	0.04
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.10	0.13	0.10	0.01	0.10
C-STRM-3_(1)_(1)_(C-STRM)	0.13	0.17	0.13	0.01	0.13
C-STRM-3_(1)_(2)_(C-STRM)	0.12	0.12	0.17	0.01	0.01
C-STRM-3_(1)_(C-STRM)	0.12	0.12	0.12	0.01	0.01
C-STRM-33_(1)_(C-STRM)	0.15	0.15	0.17	0.01	0.01
C-STRM-33_(C-STRM)	0.11	0.11	0.15	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.01	0.01	0.02	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.13	0.13	0.21	0.01	0.01
C-STRM-35_(C-STRM)	0.02	0.02	0.13	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.05	0.01	0.01	0.01
C-STRM-4_(C-STRM)	0.05	0.09	0.05	0.01	0.05
C-STRM-46_(1)_(1)_(C-STRM)	0.18	0.18	0.18	0.01	0.17
C-STRM-46_(1)_(C-STRM)	0.18	0.20	0.18	0.01	0.18
C-STRM-49_(C-STRM)	0.35	0.35	0.35	0.01	0.01
C-STRM-50_(C-STRM)	0.35	0.35	0.36	0.01	0.29
C-STRM-51_(C-STRM)	0.36	0.36	0.36	0.16	0.36
C-STRM-52_(C-STRM)	0.36	0.36	0.36	0.01	0.33
C-STRM-53_(C-STRM)	0.35	0.36	0.35	0.29	0.35
C-STRM-57_(C-STRM)	0.32	0.32	0.32	0.06	0.30
C-STRM-60_(C-STRM)	0.16	0.16	0.21	0.01	0.01
C-STRM-62_(C-STRM)	0.16	0.16	0.20	0.01	0.01
C-STRM-63_(C-STRM)	0.20	0.20	0.23	0.01	0.01
C-STRM-76_(C-STRM)	0.34	0.35	0.34	0.30	0.34
C-STRM-77_(C-STRM)	0.01	0.34	0.01	0.26	0.01
C-STRM-78_(C-STRM)	0.32	0.32	0.34	0.01	0.20
C-STRM-79_(1)_(C-STRM)	0.01	0.02	0.01	0.24	0.01
C-STRM-8_(1)_(C-STRM)	0.01	0.01	0.11	0.01	0.01
C-STRM-80_(C-STRM)	0.01	0.01	0.01	0.24	0.01
C-STRM-81_(C-STRM)	0.01	0.01	0.01	0.25	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.25	0.01
C-STRM-83_(1)_(C-STRM)	0.10	0.10	0.11	0.01	0.01
C-STRM-84_(C-STRM)	0.20	0.22	0.20	0.01	0.20
C-STRM-87_(C-STRM)	0.09	0.09	0.16	0.01	0.01
CVR-C3	0.01	0.01	0.01	0.27	0.01

Analysis begun on: Thu Jun 25 09:02:46 2026
Analysis ended on: Thu Jun 25 09:04:19 2026
Total elapsed time: 00:01:33

Post-Development 1:100 year 24-hour SCS Event

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************

  Name                Data Source                Data       Recording
                                                 Type       Interval
  ----------------------------------------------------------------------
  24SCS100            24SCS100                   INTENSITY   15 min.
  6SCS050             6SCS050                    INTENSITY   15 min.
  Rainfall            SCS_24h_100                INTENSITY   15 min.


  *********************
  Subcatchment Summary
  *********************
  Name                Area     Width   %Imperv    %Slope Rain Gage           Outlet
  ----------------------------------------------------------------------------------
--------------
  A15_1               1.31     13.10     18.98    0.5000 Rainfall            EXD_8
  A15_2               2.15     13.10     18.98    0.5000 Rainfall            EXD_12
  A18                 0.59    338.21     39.12    0.5000 Rainfall            EXD_25
  A19                 1.11    332.78     22.32    0.5000 Rainfall            EXD_20
  A20                 4.83    279.76      8.37    1.5000 Rainfall            EXD_15
  NULL3               0.57    312.75     83.33    1.4500 Rainfall            EXD_27
  S1                  6.51   1465.85     64.29    2.0000 Rainfall            S_607-605
  S1_1                0.09    154.58     71.43    2.0000 Rainfall            J19
  S1_2                0.14    147.72     71.43    2.0000 Rainfall            J21
  S10_1               1.84    414.84     64.29    2.0000 Rainfall            S_620-619
  S10_2               2.13    479.37     64.29    2.0000 Rainfall            S_623-622
  S10_4               0.74    165.67     64.29    2.0000 Rainfall            S_627-630
  S10_5               1.26    284.06     64.29    2.0000 Rainfall            S_622-619
  S11                 3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                 0.44    346.44     71.43    2.0000 Rainfall            J2
  S14_1               0.60    371.55     71.43    2.0000 Rainfall            J27
  S14_3               1.06    381.29     71.43    2.0000 Rainfall            J57
  S14_4               0.31    138.84     71.43    2.0000 Rainfall            J47
  S14_5               1.69    653.02     71.43    2.0000 Rainfall            J28
  S14_6               0.28    141.02     71.43    2.0000 Rainfall            J58
  S14_7               1.19    549.94     71.43    2.0000 Rainfall            J60
  S14_8               0.43    191.40     71.43    2.0000 Rainfall            J50
  S15                 1.64    368.26     64.29    2.0000 Rainfall            S_525-MTD
  S16_1               0.46     16.60    100.00    0.5000 Rainfall            EXD_10
  S16_2               0.99     16.60    100.00    0.5000 Rainfall            EXD_8
  S17                 6.26    202.00      3.33    0.5000 Rainfall            EXD_7
  S18_2               3.35    754.05     67.14    2.0000 Rainfall            S_545-541
  S18_3               1.66    372.76     67.14    2.0000 Rainfall            S_528-525
  S18_4               0.88    197.06     67.14    2.0000 Rainfall            S_540-536
  S18_5               1.83    412.02     67.14    2.0000 Rainfall            S_536-532
  S18_6               0.84    188.96     67.14    2.0000 Rainfall            S_532-528
  S19                 0.97    462.04     71.43    2.0000 Rainfall            J35
  S2                  0.37    154.58     71.43    2.0000 Rainfall            J20
  S2_1                3.14    707.17     67.14    2.0000 Rainfall            637_(C-
STRM)
  S2_2                1.01    228.16     67.14    2.0000 Rainfall            633_(C-
STRM)
  S20_1               0.45    284.74     71.43    2.0000 Rainfall            J42
  S20_2               0.24    137.80     71.43    2.0000 Rainfall            J38
  S3                  2.12    476.98     64.29    2.0000 Rainfall            S_652-604
  S32_1               0.43    369.16     71.43    2.0000 Rainfall            J43
  S32_2               0.16     35.80     64.29    2.0000 Rainfall            S_504-503
  S36                 1.82     21.00    100.00    0.5000 Rainfall            EXD_10
  S4                 13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                  3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                  0.34    261.05     57.14    2.0000 Rainfall            OF2
  S7                  3.99    402.80     85.71    0.5000 Rainfall            POND_(C-
STRM)
  S8                  1.60    121.93     35.71    2.0000 Rainfall            PARK


  ************
  Node Summary
  ************

  Name                Type                 Invert      Max.    Ponded    External
                                            Elev.     Depth      Area    Inflow
  ----------------------------------------------------------------------------
  EXD_1               JUNCTION            104.39      1.51       0.0
  EXD_10              JUNCTION             98.65      1.20       0.0
  EXD_11              JUNCTION             98.50      1.20       0.0
  EXD_12              JUNCTION             98.31      1.20       0.0
  EXD_13              JUNCTION            104.32      1.10       0.0
  EXD_14              JUNCTION            102.49      0.80       0.0
  EXD_15              JUNCTION            100.27      0.80       0.0
  EXD_16              JUNCTION            100.20      0.80       0.0
  EXD_17              JUNCTION             99.89      0.80       0.0
  EXD_18              JUNCTION             99.40      0.84       0.0
  EXD_19              JUNCTION             99.19      0.88       0.0
  EXD_2               JUNCTION            103.47      1.93       0.0
  EXD_20              JUNCTION             99.19      0.88       0.0
  EXD_21              JUNCTION             99.18      0.88       0.0
  EXD_22              JUNCTION             99.14      0.88       0.0
  EXD_23              JUNCTION             98.75      1.14       0.0
  EXD_24              JUNCTION             98.67      1.14       0.0
  EXD_25              JUNCTION             98.52      1.13       0.0
  EXD_26              JUNCTION             98.48      1.13       0.0
  EXD_27              JUNCTION             98.17      1.20       0.0
  EXD_3               JUNCTION            103.19      1.41       0.0
  EXD_4               JUNCTION            102.64      1.20       0.0
  EXD_5               JUNCTION            102.50      1.20       0.0
  EXD_6               JUNCTION            102.32      1.08       0.0
  EXD_7               JUNCTION            101.50      1.06       0.0
  EXD_8               JUNCTION            100.48      1.06       0.0
  EXD_9               JUNCTION            100.39      1.06       0.0
  J1                  JUNCTION            103.45      0.50       0.0
  J13                 JUNCTION            103.30      0.50       0.0
  J17                 JUNCTION            104.37      1.04       0.0
  J19                 JUNCTION            105.60      0.50       0.0
  J2                  JUNCTION            109.00      0.50       0.0
  J20                 JUNCTION            105.80      0.50       0.0
  J21                 JUNCTION            105.90      0.50       0.0
  J22                 JUNCTION            106.00      0.50       0.0
  J23                 JUNCTION            106.20      0.50       0.0
  J27                 JUNCTION            109.00      0.50       0.0
  J28                 JUNCTION            108.80      0.50       0.0
  J3                  JUNCTION            103.70      0.50       0.0
  J31                 JUNCTION            106.00      0.50       0.0
  J35                 JUNCTION            104.70      0.50       0.0
  J36                 JUNCTION            104.93      0.50       0.0
  J37                 JUNCTION            104.65      0.50       0.0
  J38                 JUNCTION            104.60      0.50       0.0
  J39                 JUNCTION            104.45      0.50       0.0
  J4                  JUNCTION            103.60      0.50       0.0
  J40                 JUNCTION            103.20      0.50       0.0
  J42                 JUNCTION            104.20      0.50       0.0
  J43                 JUNCTION            104.50      0.50       0.0
  J45                 JUNCTION            104.60      0.50       0.0
  J46                 JUNCTION            105.10      0.50       0.0
  J47                 JUNCTION            105.75      0.50       0.0
  J49                 JUNCTION            105.30      0.50       0.0
  J5                  JUNCTION            103.50      0.50       0.0
  J50                 JUNCTION            106.75      0.50       0.0
  J51                 JUNCTION            109.75      0.50       0.0
  J52                 JUNCTION            109.00      0.50       0.0
  J55                 JUNCTION            109.10      0.50       0.0
  J56                 JUNCTION            108.47      0.50       0.0
  J57                 JUNCTION            108.40      0.50       0.0
  J58                 JUNCTION            108.00      0.50       0.0
  J6                  JUNCTION            103.40      0.50       0.0
  J60                 JUNCTION            107.00      0.50       0.0
  J61                 JUNCTION            106.50      0.50       0.0
  J62                 JUNCTION            105.70      0.50       0.0
  J63                 JUNCTION            105.20      0.50       0.0
  J66                 JUNCTION            107.75      0.50       0.0
  J67                 JUNCTION            107.50      0.50       0.0
  J74                 JUNCTION             98.45      0.90       0.0
  OF1                 OUTFALL             100.80      0.00       0.0
  OF2                 OUTFALL               0.00      0.00       0.0
  OF3                 OUTFALL              98.00      1.06       0.0
  ST4_108A_(P-Stm)    OUTFALL              98.02      1.19       0.0
  500_(C-STRM)        STORAGE             100.37      2.79       0.0
  502_(C-STRM)        STORAGE             100.57      3.70       0.0
  503_(C-STRM)        STORAGE             100.61      3.91       0.0
  504_(C-STRM)        STORAGE             103.06      2.80       0.0
  505_(C-STRM)        STORAGE             103.48      3.27       0.0
  506_(C-STRM)        STORAGE             103.83      3.15       0.0
  507_(C-STRM)        STORAGE             104.17      3.19       0.0
  508_(C-STRM)        STORAGE             104.39      3.18       0.0
  509_(C-STRM)        STORAGE             104.62      3.12       0.0
  510_(C-STRM)        STORAGE             104.87      3.06       0.0
  511_(C-STRM)        STORAGE             104.94      3.06       0.0
  512_(C-STRM)        STORAGE             105.14      3.10       0.0
  513_(C-STRM)        STORAGE             105.27      3.12       0.0
  514_(C-STRM)        STORAGE             105.61      3.13       0.0
  515_(C-STRM)        STORAGE             105.88      3.22       0.0
  516_(C-STRM)        STORAGE             105.48      3.03       0.0
  517_(C-STRM)        STORAGE             105.64      3.00       0.0
  518_(C-STRM)        STORAGE             105.88      2.90       0.0
  519_(C-STRM)        STORAGE             106.10      2.79       0.0
  520_(C-STRM)        STORAGE             106.37      2.63       0.0
  522_(C-STRM)        STORAGE             104.31      3.00       0.0
  525_(C-STRM)        STORAGE             100.58      2.72       0.0
  528_(C-STRM)        STORAGE             100.70      2.71       0.0
  532_(C-STRM)        STORAGE             100.80      2.70       0.0
  536_(C-STRM)        STORAGE             100.95      2.65       0.0
  540_(C-STRM)        STORAGE             100.83      2.87       0.0
  541_(C-STRM)        STORAGE             100.91      2.92       0.0
  551_(C-STRM)        STORAGE             100.67      3.79       0.0
  552_(C-STRM)        STORAGE             100.77      3.86       0.0
  553_(C-STRM)        STORAGE             100.96      3.76       0.0
  554_(C-STRM)        STORAGE             101.08      3.89       0.0
  555_(C-STRM)        STORAGE             101.27      4.08       0.0
  556_(C-STRM)        STORAGE             101.39      4.21       0.0
  601_(C-STRM)        STORAGE             100.43      4.45       0.0
  602_(C-STRM)        STORAGE             100.48      4.16       0.0
  603_(C-STRM)        STORAGE             100.55      3.99       0.0
  604_(C-STRM)        STORAGE             100.63      5.14       0.0
  605_(C-STRM)        STORAGE             101.38      5.35       0.0
  619_(C-STRM)        STORAGE             101.12      5.40       0.0
  622_(C-STRM)        STORAGE             101.24      4.78       0.0
  626_(C-STRM)        STORAGE             104.00      3.20       0.0
  627_(C-STRM)        STORAGE             103.20      3.50       0.0
  629_(C-STRM)        STORAGE             101.71      4.40       0.0
  630_(C-STRM)        STORAGE             101.83      4.37       0.0
  630A_(C-STRM)       STORAGE             101.88      4.12       0.0
  633_(C-STRM)        STORAGE             105.30      0.50       0.0
  634_(C-STRM)        STORAGE             101.88      3.82       0.0
  637_(C-STRM)        STORAGE             105.35      0.50       0.0
  643_(C-STRM)        STORAGE             102.07      3.45       0.0
  644_(C-STRM)        STORAGE             102.54      3.17       0.0
  645_(C-STRM)        STORAGE             102.30      3.61       0.0
  646_(C-STRM)        STORAGE             102.43      3.34       0.0
  647_(C-STRM)        STORAGE             102.57      3.03       0.0
  650_(C-STRM)        STORAGE             100.99      5.17       0.0
  651_(C-STRM)        STORAGE             100.89      4.99       0.0
  652_(C-STRM)        STORAGE             100.87      4.97       0.0
  Filter_Bed          STORAGE             100.10      1.48       0.0
  Industrial_NORTH    STORAGE             105.20      0.50       0.0
  Industrial_South    STORAGE             105.00      0.50       0.0
  MTD_(C-STRM)        STORAGE             100.36      3.02       0.0
  OVERFLOW_(C-STRM)   STORAGE             100.17      2.83       0.0
  PARK                STORAGE             105.36      0.50       0.0
  POND_(C-STRM)       STORAGE              98.45      2.65       0.0    Yes
  S_504-503           STORAGE             105.75      0.50       0.0
  S_525-MTD           STORAGE             103.45      0.50       0.0
  S_528-525           STORAGE             103.50      0.50       0.0
  S_532-528           STORAGE             103.65      0.50       0.0
  S_536-532           STORAGE             103.70      0.50       0.0
  S_540-536           STORAGE             103.85      0.50       0.0
  S_545-541           STORAGE             103.90      0.50       0.0
  S_607-605           STORAGE             107.90      0.50       0.0
  S_620-619           STORAGE             106.90      0.50       0.0
  S_622-619           STORAGE             106.00      0.50       0.0
  S_623-622           STORAGE             106.50      0.50       0.0
  S_627-630           STORAGE             106.70      0.50       0.0
  S_652-604           STORAGE             105.85      0.50       0.0
  Woodlot_North       STORAGE             106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                From Node       To Node         Type            Length    %Slope
Roughness
  ----------------------------------------------------------------------------------
-
  BDR-C1              EXD_15          EXD_16          CONDUIT           17.7    0.3844
0.0250
  BDR-C2              EXD_20          EXD_21          CONDUIT            7.9    0.0632
0.0130
  BDR-C3              EXD_25          EXD_26          CONDUIT           14.2    0.2683
0.0130
  BDR-C4              EXD_12          EXD_27          CONDUIT           23.0    0.6077
0.0130
  C1                  J27             J28             CONDUIT          185.8    0.1077
0.0130
  C1_1                J28             J57             CONDUIT          329.5    0.1214
0.0130
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C1_11	J47	J43	CONDUIT	75.0	1.6661
0.0130					
C1_2	J55	J57	CONDUIT	190.6	0.3672
0.0130					
C1_3	J56	J57	CONDUIT	40.0	0.1748
0.0130					
C1_4	J58	J66	CONDUIT	70.2	0.3562
0.0130					
C1_5	J57	J58	CONDUIT	76.8	0.5205
0.0130					
C1_6	J66	J67	CONDUIT	70.0	0.3571
0.0130					
C1_7	J67	J60	CONDUIT	69.8	0.7166
0.0130					
C1_8	J60	J50	CONDUIT	73.0	0.3424
0.0130					
C1_9	J50	J47	CONDUIT	92.6	1.0800
0.0130					
C2	J2	EXD_1	CONDUIT	173.2	1.9632
0.0130					
C2_1	J51	J52	CONDUIT	39.5	1.8977
0.0130					
C2_10	J63	J36	CONDUIT	39.5	0.6883
0.0130					
C2_11	J36	J35	CONDUIT	72.0	0.3166
0.0130					
C2_12	J35	J37	CONDUIT	45.5	0.1098
0.0130					
C2_13	J37	J38	CONDUIT	28.9	0.1729
0.0130					
C2_14	J38	J39	CONDUIT	44.0	0.3457
0.0130					
C2_15	J39	J42	CONDUIT	72.0	0.3442
0.0130					
C2_16	J43	J42	CONDUIT	31.1	0.9633
0.0130					
C2_18	J45	J43	CONDUIT	70.2	0.1425
0.0130					
C2_2	J60	J61	CONDUIT	75.0	0.6666
0.0130					
C2_3	J52	J60	CONDUIT	165.4	1.2090
0.0130					
C2_4	J61	J31	CONDUIT	72.0	0.6944
0.0130					
C2_5	J23	J31	CONDUIT	163.3	0.1225
0.0130					
C2_7	J23	J22	CONDUIT	27.9	0.7165
0.0130					
C2_8	J19	J63	CONDUIT	110.8	0.3610
0.0130					
C2_9	J46	J45	CONDUIT	93.4	0.5355
0.0130					
C3	J3	J4	CONDUIT	72.6	0.1378
0.0130					
C3_2	J22	J21	CONDUIT	73.0	0.1370
0.0130					
C3_6	J21	J20	CONDUIT	75.8	0.1319
0.0130					
C3_7	J20	J19	CONDUIT	112.3	0.1781
0.0130					
C4	J4	J5	CONDUIT	49.7	0.2012
0.0130					
C4_5	J1	J13	CONDUIT	118.4	0.1267
0.0130					
C4_6	J42	J40	CONDUIT	45.9	2.1776
0.0130					
C4_7	J13	J40	CONDUIT	64.4	0.1553
0.0130					
C5	J5	J6	CONDUIT	68.4	0.1461
0.0130					
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054
0.0250					
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866
0.0250					
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893
0.0250					
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098
0.0250					
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876
0.0250					
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550
0.0250					
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893
0.0250					
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781
0.0250					
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645
0.0250					
C5_18	J31	J62	CONDUIT	71.0	0.4225
0.0130					
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558
0.0250					
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933
0.0250					
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645
0.0250					
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626
0.0250					
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299
0.0250					
C5_24	J62	J49	CONDUIT	91.3	0.4382
0.0130					
C5_25	J49	J38	CONDUIT	76.5	0.9152
0.0130					
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195
0.0250					
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880
0.0250					
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893
0.0250					
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871
0.0250					
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091
0.0250					
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095
0.0250					
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087
0.0250					
C6	J6	J13	CONDUIT	71.5	0.1398
0.0130					
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144
0.0130					
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998
0.0130					
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500
0.0130					
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500
0.0130					
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	CONDUIT	26.4	0.4998
0.0130					
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021
0.0130					
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	CONDUIT	14.0	0.5008
0.0130					
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502
0.0130					
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502
0.0130					
C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495
0.0130					
C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498
0.0130					
C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502
0.0130					
C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002
0.0130					
C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995
0.0130					
C-STRM-22_(1)_(C-STRM)	629_(C-STRM)	622_(C-STRM)	CONDUIT	81.4	0.1499
0.0130					
C-STRM-22_(C-STRM)	630_(C-STRM)	629_(C-STRM)	CONDUIT	82.1	0.1498
0.0130					
C-STRM-23_(C-STRM)	634_(C-STRM)	622_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-26_(1)_(C-STRM)	551_(C-STRM)	502_(C-STRM)	CONDUIT	60.8	0.1613
0.0130					
C-STRM-26_(C-STRM)	552_(C-STRM)	551_(C-STRM)	CONDUIT	60.3	0.1593
0.0130					
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	506_(C-STRM)	505_(C-STRM)	CONDUIT		
70.0	0.4998	0.0130			
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	507_(C-STRM)	506_(C-STRM)	CONDUIT	51.7	
0.5005	0.0130				
C-STRM-3_(1)_(1)_(1)_(C-STRM)	508_(C-STRM)	507_(C-STRM)	CONDUIT	45.5	
0.5011	0.0130				
C-STRM-3_(1)_(1)_(C-STRM)	509_(C-STRM)	508_(C-STRM)	CONDUIT	45.5	0.4989
0.0130					
C-STRM-3_(1)_(2)_(C-STRM)	510_(C-STRM)	509_(C-STRM)	CONDUIT	55.7	0.4507
0.0130					
C-STRM-3_(1)_(C-STRM)	511_(C-STRM)	510_(C-STRM)	CONDUIT	14.5	0.4469
0.0130					
C-STRM-33_(1)_(C-STRM)	646_(C-STRM)	645_(C-STRM)	CONDUIT	91.0	0.1505
0.0130					
C-STRM-33_(C-STRM)	647_(C-STRM)	646_(C-STRM)	CONDUIT	92.9	0.1496
0.0130					
C-STRM-34_(1)_(1)_(C-STRM)	555_(C-STRM)	554_(C-STRM)	CONDUIT	75.2	
0.1596	0.0130				
C-STRM-34_(1)_(C-STRM)	556_(C-STRM)	555_(C-STRM)	CONDUIT	75.2	0.1596
0.0130					
C-STRM-35_(1)_(C-STRM)	553_(C-STRM)	552_(C-STRM)	CONDUIT	72.1	0.1596
0.0130					
C-STRM-35_(C-STRM)	554_(C-STRM)	553_(C-STRM)	CONDUIT	72.0	0.1611
0.0130					
C-STRM-4_(1)_(C-STRM)	504_(C-STRM)	503_(C-STRM)	CONDUIT	83.2	0.6007
0.0130					
C-STRM-4_(C-STRM)	505_(C-STRM)	504_(C-STRM)	CONDUIT	84.0	0.4998
0.0130					
C-STRM-46_(1)_(1)_(C-STRM)	650_(C-STRM)	651_(C-STRM)	CONDUIT	68.0	
0.1500	0.0130				
C-STRM-46_(1)_(C-STRM)	619_(C-STRM)	650_(C-STRM)	CONDUIT	89.7	0.1506
0.0130					
C-STRM-49_(C-STRM)	541_(C-STRM)	540_(C-STRM)	CONDUIT	47.7	0.1508
0.0130					
C-STRM-50_(C-STRM)	540_(C-STRM)	536_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-51_(C-STRM)	536_(C-STRM)	532_(C-STRM)	CONDUIT	48.5	0.1505
0.0130					
C-STRM-52_(C-STRM)	532_(C-STRM)	528_(C-STRM)	CONDUIT	69.0	0.1507
0.0130					
C-STRM-53_(C-STRM)	528_(C-STRM)	525_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-57_(C-STRM)	503_(C-STRM)	502_(C-STRM)	CONDUIT	27.5	0.1489
0.0130					
C-STRM-60_(C-STRM)	644_(C-STRM)	643_(C-STRM)	CONDUIT	67.2	0.2486
0.0130					
C-STRM-62_(C-STRM)	520_(C-STRM)	519_(C-STRM)	CONDUIT	95.9	0.2003
0.0130					
C-STRM-63_(C-STRM)	519_(C-STRM)	518_(C-STRM)	CONDUIT	97.4	0.1498
0.0130					
C-STRM-64_(C-STRM)	522_(C-STRM)	EXD_1	CONDUIT	81.9	0.2504
0.0130					
C-STRM-76_(C-STRM)	525_(C-STRM)	MTD_(C-STRM)	CONDUIT	72.6	0.1998
0.0130					
C-STRM-77_(C-STRM)	MTD_(C-STRM)	OVERFLOW_(C-STRM)	CONDUIT	38.5	0.4986
0.0130					
C-STRM-78_(C-STRM)	502_(C-STRM)	MTD_(C-STRM)	CONDUIT	44.0	0.3003
0.0130					
C-STRM-79_(1)_(C-STRM)	604_(C-STRM)	603_(C-STRM)	CONDUIT	72.0	0.1000
0.0130					
C-STRM-79_(C-STRM)	605_(C-STRM)	604_(C-STRM)	CONDUIT	89.5	0.1508
0.0130					
C-STRM-8_(1)_(C-STRM)	514_(C-STRM)	513_(C-STRM)	CONDUIT	95.2	0.1997
0.0130					
C-STRM-8_(C-STRM)	515_(C-STRM)	514_(C-STRM)	CONDUIT	95.1	0.1997
0.0130					
C-STRM-80_(C-STRM)	603_(C-STRM)	602_(C-STRM)	CONDUIT	74.3	0.0996
0.0130					
C-STRM-81_(C-STRM)	602_(C-STRM)	601_(C-STRM)	CONDUIT	46.7	0.1007
0.0130					
C-STRM-82_(C-STRM)	601_(C-STRM)	POND_(C-STRM)	CONDUIT	33.0	0.1000
0.0130					
C-STRM-83_(1)_(C-STRM)	630A_(C-STRM)	630_(C-STRM)	CONDUIT	27.1	0.1513
0.0130					
C-STRM-84_(C-STRM)	622_(C-STRM)	619_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-87_(C-STRM)	645_(C-STRM)	644_(C-STRM)	CONDUIT	68.6	0.2494
0.0130					
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875
0.0130					
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114
0.0130					
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110
0.0130					
ST4-Pipe_-_(99)_(P-Stm)	J74	ST4_108A_(P-Stm)	CONDUIT	49.3	0.2840
0.0130					
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063
0.0250					
OR1	POND_(C-STRM)	J74	ORIFICE		
OR2	POND_(C-STRM)	J74	ORIFICE		
W10	637_(C-STRM)	J35	WEIR		
W11	633_(C-STRM)	J49	WEIR		
W12	S_652-604	J47	WEIR		
W13	S_545-541	J3	WEIR		
W14	S_540-536	J3	WEIR		
W15	S_536-532	J4	WEIR		
W16	S_532-528	J5	WEIR		
W17	S_528-525	J6	WEIR		
W2	POND_(C-STRM)	OF1	WEIR		
W3	S_507-503	J47	WEIR		
W4	S_627-630	J23	WEIR		
W5	S_525-MTD	J13	WEIR		
W6	S_623-622	J31	WEIR		
W7	S_620-619	J61	WEIR		
W8	S_607-605	J50	WEIR		
W9	S_622-619	J31	WEIR		
C-STRM-108_(1)_(C-STRM)	633_(C-STRM)	634_(C-STRM)	OUTLET		
C-STRM-14_(1)_(C-STRM)	S_607-605	605_(C-STRM)	OUTLET		
C-STRM-27_(C-STRM)	S_623-622	622_(C-STRM)	OUTLET		
C-STRM-42_(C-STRM)	S_545-541	541_(C-STRM)	OUTLET		
C-STRM-44_(1)_(C-STRM)	S_525-MTD	525_(C-STRM)	OUTLET		
C-STRM-45_(1)_(C-STRM)	S_620-619	619_(C-STRM)	OUTLET		
C-STRM-61_(C-STRM)	637_(C-STRM)	643_(C-STRM)	OUTLET		
C-STRM-71_(C-STRM)	Industrial_South	647_(C-STRM)	OUTLET		
C-STRM-83_(C-STRM)	Industrial_NORTH	630A_(C-STRM)	OUTLET		
C-STRM-93_(C-STRM)	S_540-536	540_(C-STRM)	OUTLET		
C-STRM-96_(1)_(C-STRM)	S_536-532	536_(C-STRM)	OUTLET		
C-STRM-97_(1)_(C-STRM)	S_532-528	532_(C-STRM)	OUTLET		
C-STRM-98_(1)_(C-STRM)	S_528-525	528_(C-STRM)	OUTLET		
OL1	S_622-619	622_(C-STRM)	OUTLET		
OL10	Filter_Bed	POND_(C-STRM)	OUTLET		
OL11	J50	505_(C-STRM)	OUTLET		
OL12	J60	506_(C-STRM)	OUTLET		
OL13	J58	511_(C-STRM)	OUTLET		
OL14	J57	513_(C-STRM)	OUTLET		
OL15	J28	518_(C-STRM)	OUTLET		
OL16	J2	522_(C-STRM)	OUTLET		
OL17	J27	520_(C-STRM)	OUTLET		
OL18	J19	647_(C-STRM)	OUTLET		
OL19	J20	646_(C-STRM)	OUTLET		
OL2	J35	553_(C-STRM)	OUTLET		
OL20	S_504-503	504_(C-STRM)	OUTLET		
OL21	PARK	602_(C-STRM)	OUTLET		
OL22	J21	645_(C-STRM)	OUTLET		
OL3	J38	552_(C-STRM)	OUTLET		
OL4	J42	502_(C-STRM)	OUTLET		
OL5	J43	503_(C-STRM)	OUTLET		

OL6	Woodlot_North	626_(C-STRM)	OUTLET	
OL7	S_627-630	627_(C-STRM)	OUTLET	
OL8	S_652-604	652_(C-STRM)	OUTLET	
OL9	J47	504_(C-STRM)	OUTLET	

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-200_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2387	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4815	0.4903	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7213	0.7553	0.7404	0.7665	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1130	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912

0.3975 0.4038 0.4101 0.4147 0.4188
0.4228 0.4269 0.4309 0.4350 0.4390
0.4430 0.4471 0.4511 0.4552 0.4592
0.4633 0.4673 0.4719 0.4786 0.4852
0.4919 0.4986 0.5052 0.5119 0.5186
0.5252 0.5375 0.5591 0.5808 0.6126
0.6529 0.7560 0.7953 0.8372 1.0000

Transect Barnsdale_UPST5
Area:
0.0011 0.0046 0.0104 0.0185 0.0278
0.0383 0.0495 0.0612 0.0736 0.0865
0.1000 0.1141 0.1288 0.1443 0.1606
0.1778 0.1959 0.2143 0.2330 0.2518
0.2709 0.2903 0.3099 0.3296 0.3497
0.3699 0.3904 0.4111 0.4319 0.4530
0.4743 0.4958 0.5175 0.5395 0.5616
0.5839 0.6064 0.6292 0.6521 0.6753
0.6991 0.7235 0.7484 0.7740 0.8019
0.8364 0.8742 0.9142 0.9560 1.0000
Hrad:
0.0248 0.0493 0.0735 0.1040 0.1389
0.1735 0.2124 0.2498 0.2859 0.3209
0.3550 0.3881 0.4187 0.4434 0.4680
0.4924 0.5212 0.5606 0.5992 0.6372
0.6745 0.7111 0.7472 0.7827 0.8176
0.8520 0.8860 0.9202 0.9539 0.9872
1.0201 1.0525 1.0845 1.1162 1.1474
1.1784 1.2090 1.2392 1.2691 1.2876
1.2994 1.3117 1.3244 1.3163 1.1702
1.0461 1.0307 1.0260 1.0309 1.0000
Width:
0.0497 0.0999 0.1518 0.1903 0.2141
0.2355 0.2481 0.2607 0.2733 0.2859
0.2985 0.3111 0.3252 0.3438 0.3625
0.3813 0.3961 0.4010 0.4059 0.4108
0.4157 0.4206 0.4255 0.4303 0.4352
0.4401 0.4450 0.4494 0.4538 0.4583
0.4627 0.4716 0.4761 0.4805 0.4850
0.4894 0.4938 0.4983 0.5078 0.5204
0.5330 0.5457 0.5684 0.6711 0.7919
0.8423 0.8866 0.9238 1.0000

Transect Barnsdale_UPST6
Area:
0.0014 0.0054 0.0102 0.0156 0.0217
0.0284 0.0356 0.0434 0.0517 0.0605
0.0698 0.0796 0.0899 0.1007 0.1121
0.1243 0.1373 0.1512 0.1656 0.1807
0.1962 0.2123 0.2291 0.2483 0.2703
0.2945 0.3189 0.3434 0.3680 0.3929
0.4178 0.4430 0.4687 0.4947 0.5212
0.5482 0.5760 0.6046 0.6335 0.6626
0.6921 0.7218 0.7518 0.7820 0.8133
0.8461 0.8801 0.9163 0.9564 1.0000
Hrad:
0.0226 0.0600 0.0982 0.1332 0.1659
0.1974 0.2291 0.2613 0.2925 0.3228
0.3524 0.3813 0.4096 0.4373 0.4557
0.4729 0.4908 0.5133 0.5388 0.5667
0.5954 0.6238 0.6186 0.5790 0.5404
0.5828 0.6246 0.6659 0.7067 0.7469
0.7867 0.8189 0.8502 0.8811 0.9116
0.9331 0.9497 0.9763 1.0109 1.0452
1.0791 1.1126 1.1458 1.1787 1.1574
1.1642 1.1570 1.1256 1.0602 1.0000
Width:
0.0656 0.0958 0.1094 0.1231 0.1368
0.1501 0.1622 0.1729 0.1837 0.1944
0.2052 0.2159 0.2267 0.2377 0.2539
0.2715 0.2891 0.3043 0.3175 0.3291
0.3399 0.3507 0.3819 0.4435 0.5186
0.5219 0.5251 0.5284 0.5317 0.5350
0.5382 0.5468 0.5558 0.5647 0.5737
0.5886 0.6068 0.6185 0.6243 0.6301
0.6359 0.6475 0.6534 0.6932 0.7170
0.7512 0.8061 0.8978 1.0000

Transect Barnsdale_UPST7
Area:
0.0031 0.0077 0.0135 0.0206 0.0292
0.0385 0.0485 0.0590 0.0699 0.0811
0.0928 0.1047 0.1170 0.1297 0.1427
0.1561 0.1700 0.1843 0.1992 0.2145
0.2304 0.2467 0.2636 0.2810 0.3005
0.3224 0.3464 0.3708 0.3955 0.4204
0.4456 0.4710 0.4972 0.5239 0.5510
0.5784 0.6060 0.6340 0.6622 0.6907
0.7195 0.7487 0.7782 0.8081 0.8383
0.8691 0.9003 0.9322 0.9647 1.0000
Hrad:
0.0323 0.0624 0.0905 0.1084 0.1375
0.1686 0.1997 0.2314 0.2650 0.2977
0.3296 0.3608 0.3913 0.4212 0.4493
0.4751 0.5005 0.5247 0.5476 0.5703
0.5929 0.6154 0.6378 0.6601 0.5891
0.5938 0.5928 0.6266 0.6599 0.6927
0.7252 0.7701 0.7705 0.7948 0.8255
0.8559 0.8860 0.9157 0.9452 0.9727
1.0000 1.0270 1.0538 1.0784 1.1003
1.1221 1.1420 1.1557 1.1624 1.0000
Width:
0.0999 0.1304 0.1570 0.1994 0.2229
0.2396 0.2541 0.2664 0.2751 0.2837
0.2923 0.3010 0.3096 0.3183 0.3279
0.3390 0.3501 0.3618 0.3745 0.3872
0.3998 0.4124 0.4251 0.4377 0.5266
0.5610 0.6032 0.6092 0.6153 0.6213
0.6274 0.6399 0.6563 0.6692 0.6761
0.6830 0.6899 0.6967 0.7036 0.7118
0.7199 0.7281 0.7362 0.7458 0.7573
0.7688 0.7817 0.7991 0.8220 1.0000

Transect GBR
Area:
0.0002 0.0008 0.0018 0.0032 0.0051
0.0073 0.0099 0.0130 0.0164 0.0203
0.0245 0.0292 0.0343 0.0401 0.0532
0.0756 0.1002 0.1249 0.1496 0.1742
0.1989 0.2235 0.2482 0.2729 0.2975
0.3222 0.3468 0.3715 0.3962 0.4209
0.4460 0.4715 0.4974 0.5237 0.5505
0.5776 0.6051 0.6331 0.6614 0.6902
0.7193 0.7489 0.7789 0.8092 0.8400
0.8712 0.9028 0.9348 0.9672 1.0000
Hrad:
0.0148 0.0296 0.0444 0.0592 0.0741
0.0889 0.1037 0.1185 0.1333 0.1481
0.1629 0.1777 0.1925 0.1451 0.0889
0.0921 0.1222 0.1522 0.1821 0.2121
0.2420 0.2720 0.3019 0.3318 0.3616
0.3915 0.4213 0.4511 0.4809 0.5106
0.5398 0.5684 0.5963 0.6237 0.6505
0.6768 0.7026 0.7280 0.7529 0.7773
0.8013 0.8249 0.8480 0.8708 0.8932
0.9153 0.9369 0.9583 0.9793 1.0000
Width:
0.0123 0.0246 0.0369 0.0492 0.0614
0.0737 0.0860 0.0983 0.1106 0.1229
0.1352 0.1475 0.1598 0.2496 0.5446
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7542
0.7665 0.7788 0.7911 0.8034 0.8157
0.8280 0.8402 0.8525 0.8648 0.8771
0.8894 0.9017 0.9140 0.9263 0.9386
0.9508 0.9631 0.9754 0.9877 1.0000

Transect Pond_SpillWay
Area:
0.0040 0.0088 0.0142 0.0204 0.0274
0.0350 0.0434 0.0524 0.0622 0.0728
0.0840 0.0960 0.1087 0.1221 0.1362
0.1511 0.1666 0.1829 0.2000 0.2177
0.2362 0.2554 0.2753 0.2959 0.3173
0.3393 0.3621 0.3856 0.4099 0.4348
0.4600 0.4855 0.5113 0.5375 0.5640
0.5908 0.6180 0.6454 0.6732 0.7013
0.7297 0.7585 0.7875 0.8169 0.8466
0.8767 0.9070 0.9377 0.9687 1.0000
Hrad:
0.0187 0.0367 0.0543 0.0716 0.0888
0.1059 0.1230 0.1400 0.1570 0.1740
0.1910 0.2080 0.2251 0.2421 0.2592
0.2763 0.2935 0.3106 0.3278 0.3450
0.3622 0.3795 0.3967 0.4140 0.4313
0.4486 0.4660 0.4833 0.5007 0.5241
0.5500 0.5758 0.6013 0.6266 0.6517
0.6766 0.7013 0.7257 0.7498 0.7737
0.7974 0.8209 0.8441 0.8670 0.8898
0.9123 0.9345 0.9566 0.9784 1.0000
Width:
0.1394 0.1623 0.1853 0.2082 0.2311
0.2541 0.2770 0.2999 0.3229 0.3458
0.3687 0.3917 0.4146 0.4375 0.4605
0.4834 0.5063 0.5293 0.5522 0.5751
0.5981 0.6210 0.6439 0.6669 0.6898
0.7127 0.7357 0.7586 0.7815 0.7956
0.8059 0.8161 0.8263 0.8365 0.8467
0.8569 0.8672 0.8774 0.8876 0.8978
0.9080 0.9183 0.9285 0.9387 0.9489
0.9591 0.9693 0.9796 0.9898 1.0000

Transect ROW_14m
Area:
0.0004 0.0017 0.0038 0.0067 0.0104
0.0150 0.0204 0.0267 0.0338 0.0417
0.0504 0.0597 0.0704 0.0817 0.0938
0.1067 0.1204 0.1350 0.1504 0.1667
0.1838 0.2017 0.2204 0.2400 0.2605
0.2817 0.3038 0.3267 0.3502 0.3738
0.3973 0.4209 0.4446 0.4692 0.4952
0.5225 0.5510 0.5808 0.6118 0.6439
0.6767 0.7100 0.7440 0.7787 0.8140
0.8499 0.8865 0.9237 0.9615 1.0000
Hrad:
0.0169 0.0338 0.0507 0.0677 0.0846
0.1015 0.1184 0.1353 0.1522 0.1692
0.1861 0.2030 0.2199 0.2368 0.2537
0.2707 0.2876 0.3045 0.3214 0.3383
0.3552 0.3722 0.3891 0.4060 0.4229
0.4398 0.4567 0.4736 0.5027 0.5359
0.5291 0.6022 0.6353 0.6667 0.6957
0.7226 0.7474 0.7704 0.7918 0.8123
0.8326 0.8526 0.8721 0.8914 0.9103
0.9289 0.9471 0.9651 0.9827 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6200 0.6529 0.6857
0.7186 0.7514 0.7843 0.8171 0.8357
0.8521 0.8686 0.8850 0.9014 0.9179
0.9343 0.9507 0.9671 0.9836 1.0000

Transect ROW_14m_Mountable
Area:
0.0003 0.0012 0.0028 0.0049 0.0077
0.0111 0.0151 0.0197 0.0249 0.0307
0.0372 0.0442 0.0519 0.0602 0.0691
0.0787 0.0888 0.0996 0.1109 0.1229
0.1355 0.1485 0.1625 0.1770 0.1923
0.2092 0.2277 0.2477 0.2693 0.2924
0.3170 0.3433 0.3711 0.4004 0.4310
0.4626 0.4954 0.5293 0.5642 0.6002
0.6373 0.6755 0.7144 0.7538 0.7936
0.8340 0.8748 0.9160 0.9578 1.0000
Hrad:
0.0222 0.0445 0.0667 0.0889 0.1111
0.1334 0.1556 0.1778 0.2001 0.2223
0.2445 0.2667 0.2890 0.3112 0.3334
0.3556 0.3779 0.4001 0.4223 0.4446
0.4668 0.4890 0.5112 0.5335 0.5550
0.5733 0.5891 0.6029 0.6151 0.6263
0.6367 0.6465 0.6559 0.6653 0.6759
0.6872 0.6992 0.7116 0.7245 0.7378
0.7514 0.7663 0.7966 0.8266 0.8563
0.8856 0.9147 0.9434 0.9719 1.0000
Width:
0.0145 0.0290 0.0434 0.0579 0.0724
0.0869 0.1013 0.1158 0.1303 0.1448
0.1593 0.1737 0.1882 0.2027 0.2172
0.2316 0.2461 0.2606 0.2751 0.2896
0.3040 0.3185 0.3330 0.3475 0.3798
0.4164 0.4530 0.4897 0.5263 0.5629
0.5995 0.6362 0.6728 0.7080 0.7335
0.7591 0.7846 0.8102 0.8357 0.8613
0.8868 0.9114 0.9225 0.9336 0.9446
0.9557 0.9668 0.9779 0.9889 1.0000

Transect ROW_14m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0153 0.0209 0.0273 0.0345 0.0426
0.0516 0.0614 0.0721 0.0836 0.0959
0.1091 0.1232 0.1381 0.1539 0.1705
0.1880 0.2064 0.2255 0.2456 0.2665
0.2882 0.3108 0.3343 0.3583 0.3824
0.4065 0.4306 0.4548 0.4797 0.5055
0.5322 0.5598 0.5883 0.6176 0.6479
0.6791 0.7112 0.7441 0.7780 0.8127
0.8484 0.8850 0.9224 0.9608 1.0000
Hrad:
0.0166 0.0332 0.0498 0.0664 0.0830
0.0997 0.1163 0.1329 0.1495 0.1661
0.1827 0.1993 0.2159 0.2325 0.2491
0.2657 0.2823 0.2990 0.3156 0.3322
0.3488 0.3654 0.3820 0.3986 0.4152
0.4318 0.4484 0.4650 0.4935 0.5262
0.5588 0.5913 0.6238 0.6553 0.6853
0.7137 0.7407 0.7664 0.7909 0.8143
0.8366 0.8579 0.8783 0.8979 0.9166
0.9346 0.9519 0.9685 0.9845 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6160 0.6386 0.6612
0.6838 0.7063 0.7289 0.7515 0.7741
0.7967 0.8193 0.8419 0.8645 0.8871
0.9096 0.9322 0.9548 0.9774 1.0000

Transect ROW_14m-MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0407 0.0484 0.0568 0.0659 0.0757
0.0861 0.0972 0.1089 0.1214 0.1345
0.1483 0.1631 0.1791 0.1963 0.2146
0.2342 0.2549 0.2768 0.2999 0.3242
0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274

0.6618	0.6967	0.7326	0.7693	0.8064
0.8441	0.8823	0.9210	0.9603	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0792	0.0990
0.1188	0.1386	0.1584	0.1782	0.1980
0.2178	0.2376	0.2574	0.2772	0.2971
0.3169	0.3367	0.3565	0.3763	0.3961
0.4159	0.4347	0.4520	0.4681	0.4834
0.4979	0.5119	0.5256	0.5389	0.5521
0.5650	0.5779	0.5907	0.6035	0.6162
0.6289	0.6560	0.6844	0.7123	0.7397
0.7667	0.7933	0.8190	0.8459	0.8726
0.8988	0.9247	0.9501	0.9752	1.0000

Width:

0.0168	0.0336	0.0504	0.0673	0.0841
0.1009	0.1177	0.1345	0.1513	0.1681
0.1849	0.2018	0.2186	0.2354	0.2522
0.2690	0.2858	0.3026	0.3195	0.3363
0.3552	0.3849	0.4146	0.4442	0.4739
0.5036	0.5332	0.5629	0.5926	0.6223
0.6519	0.6816	0.7113	0.7409	0.7706
0.8003	0.8150	0.8279	0.8407	0.8536
0.8664	0.8836	0.9093	0.9229	0.9357
0.9486	0.9614	0.9743	0.9871	1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003	0.0012	0.0027	0.0048	0.0074
0.0107	0.0145	0.0190	0.0240	0.0297
0.0359	0.0428	0.0502	0.0582	0.0668
0.0760	0.0858	0.0962	0.1072	0.1188
0.1309	0.1437	0.1571	0.1710	0.1856
0.2012	0.2183	0.2369	0.2570	0.2786
0.3017	0.3263	0.3524	0.3800	0.4091
0.4397	0.4719	0.5055	0.5406	0.5772
0.6153	0.6544	0.6944	0.7354	0.7772
0.8199	0.8636	0.9082	0.9536	1.0000

Hrad:

0.0233	0.0465	0.0698	0.0931	0.1163
0.1396	0.1628	0.1861	0.2094	0.2326
0.2559	0.2792	0.3024	0.3257	0.3489
0.3722	0.3955	0.4187	0.4420	0.4653
0.4885	0.5118	0.5350	0.5583	0.5816
0.6036	0.6224	0.6386	0.6529	0.6657
0.6773	0.6882	0.6985	0.7084	0.7180
0.7275	0.7370	0.7464	0.7559	0.7655
0.7817	0.8084	0.8343	0.8597	0.8844
0.9085	0.9321	0.9552	0.9779	1.0000

Width:

0.0127	0.0254	0.0380	0.0507	0.0634
0.0761	0.0888	0.1014	0.1141	0.1268
0.1395	0.1522	0.1648	0.1775	0.1902
0.2029	0.2156	0.2283	0.2409	0.2536
0.2663	0.2790	0.2917	0.3043	0.3170
0.3491	0.3812	0.4132	0.4453	0.4774
0.5095	0.5415	0.5736	0.6057	0.6378
0.6698	0.7019	0.7340	0.7661	0.7981
0.8255	0.8448	0.8642	0.8836	0.9030
0.9224	0.9418	0.9612	0.9806	1.0000

Transect ROW_16.5m_PH3

Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0154	0.0210	0.0275	0.0347	0.0429
0.0519	0.0618	0.0725	0.0841	0.0965
0.1098	0.1240	0.1390	0.1548	0.1716
0.1892	0.2076	0.2269	0.2471	0.2677
0.2884	0.3090	0.3297	0.3510	0.3731
0.3962	0.4201	0.4449	0.4705	0.4971
0.5245	0.5527	0.5819	0.6119	0.6428
0.6746	0.7073	0.7408	0.7752	0.8105
0.8466	0.8837	0.9216	0.9603	1.0000

Hrad:

0.0173	0.0347	0.0520	0.0694	0.0867
0.1041	0.1214	0.1388	0.1561	0.1735
0.1908	0.2082	0.2255	0.2429	0.2602
0.2776	0.2949	0.3123	0.3296	0.3470
0.3643	0.3817	0.3990	0.4164	0.4493
0.4834	0.5173	0.5513	0.5844	0.6155
0.6449	0.6727	0.6990	0.7239	0.7475
0.7699	0.7913	0.8116	0.8310	0.8496
0.8673	0.8843	0.9007	0.9164	0.9316
0.9462	0.9603	0.9739	0.9872	1.0000

Width:

0.0214	0.0428	0.0642	0.0856	0.1070
0.1284	0.1498	0.1712	0.1926	0.2140
0.2354	0.2568	0.2782	0.2996	0.3210
0.3424	0.3638	0.3852	0.4066	0.4280
0.4494	0.4708	0.4922	0.5136	0.5152
0.5152	0.5152	0.5200	0.5418	0.5636
0.5855	0.6073	0.6291	0.6509	0.6727
0.6945	0.7164	0.7382	0.7600	0.7818
0.8036	0.8255	0.8473	0.8691	0.8909
0.9127	0.9345	0.9564	0.9782	1.0000

Transect ROW_18m

Area:

0.0004	0.0016	0.0036	0.0064	0.0100
0.0144	0.0196	0.0255	0.0323	0.0399
0.0483	0.0575	0.0675	0.0782	0.0898
0.1022	0.1154	0.1293	0.1441	0.1597
0.1760	0.1932	0.2112	0.2299	0.2495
0.2698	0.2906	0.3114	0.3321	0.3529
0.3742	0.3967	0.4204	0.4452	0.4712
0.4983	0.5266	0.5560	0.5867	0.6184
0.6514	0.6855	0.7207	0.7571	0.7947
0.8335	0.8734	0.9144	0.9566	1.0000

Hrad:

0.0183	0.0366	0.0549	0.0732	0.0915
0.1098	0.1281	0.1464	0.1647	0.1829
0.2012	0.2195	0.2378	0.2561	0.2744
0.2927	0.3110	0.3293	0.3476	0.3659
0.3842	0.4025	0.4208	0.4391	0.4574
0.4757	0.5117	0.5476	0.5834	0.6192
0.6542	0.6864	0.7162	0.7437	0.7692
0.7927	0.8145	0.8348	0.8537	0.8713
0.8877	0.9031	0.9176	0.9313	0.9442
0.9565	0.9681	0.9792	0.9898	1.0000

Width:

0.0182	0.0363	0.0545	0.0726	0.0908
0.1090	0.1271	0.1453	0.1635	0.1816
0.1998	0.2179	0.2361	0.2543	0.2724
0.2906	0.3088	0.3269	0.3451	0.3632
0.3814	0.3996	0.4177	0.4359	0.4541
0.4722	0.4722	0.4722	0.4722	0.4722
0.4986	0.5250	0.5514	0.5778	0.6042
0.6306	0.6833	0.7097	0.7361	0.7361
0.7625	0.7889	0.8153	0.8417	0.8681
0.8944	0.9208	0.9472	0.9736	1.0000

Transect ROW_18m_MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0793	0.0991
0.1189	0.1387	0.1585	0.1783	0.1982
0.2180	0.2378	0.2576	0.2774	0.2972
0.3166	0.3340	0.3498	0.3646	0.3786
0.3921	0.4053	0.4183	0.4311	0.4439
0.4566	0.4770	0.5054	0.5332	0.5603
0.5869	0.6122	0.6360	0.6586	0.6807
0.7040	0.7271	0.7499	0.7723	0.7944
0.8163	0.8378	0.8591	0.8800	0.9007
0.9211	0.9412	0.9611	0.9807	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_MB_2

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0395	0.0593	0.0791	0.0989
0.1186	0.1384	0.1582	0.1780	0.1977
0.2175	0.2373	0.2571	0.2768	0.2966
0.3160	0.3333	0.3491	0.3638	0.3778
0.3913	0.4045	0.4174	0.4302	0.4430
0.4557	0.4760	0.5044	0.5321	0.5592
0.5857	0.6109	0.6347	0.6572	0.6793
0.7027	0.7258	0.7486	0.7711	0.7933
0.8152	0.8368	0.8581	0.8792	0.9000
0.9205	0.9408	0.9608	0.9805	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_Mountable

Area:

0.0003	0.0011	0.0026	0.0046	0.0072
0.0103	0.0140	0.0183	0.0232	0.0286
0.0346	0.0412	0.0484	0.0561	0.0644
0.0733	0.0827	0.0928	0.1034	0.1145
0.1263	0.1386	0.1515	0.1650	0.1799
0.1964	0.2143	0.2337	0.2546	0.2770
0.3009	0.3263	0.3532	0.3816	0.4115
0.4429	0.4758	0.5102	0.5459	0.5826
0.6202	0.6587	0.6981	0.7385	0.7797
0.8219	0.8651	0.9091	0.9541	1.0000

Hrad:

0.0235	0.0471	0.0706	0.0942	0.1177
0.1413	0.1648	0.1884	0.2119	0.2355
0.2590	0.2826	0.3061	0.3297	0.3532
0.3768	0.4003	0.4238	0.4474	0.4709
0.4945	0.5180	0.5416	0.5652	0.5852
0.6022	0.6168	0.6296	0.6410	0.6515
0.6613	0.6707	0.6799	0.6889	0.6979
0.7069	0.7161	0.7253	0.7478	0.7737
0.7989	0.8234	0.8474	0.8707	0.8935
0.9157	0.9375	0.9588	0.9796	1.0000

Width:

0.0124	0.0247	0.0371	0.0494	0.0618
0.0741	0.0865	0.0988	0.1112	0.1235
0.1359	0.1482	0.1606	0.1729	0.1853
0.1976	0.2100	0.2223	0.2347	0.2470
0.2594	0.2717	0.2841	0.3058	0.3381
0.3704	0.4027	0.4349	0.4672	0.4995
0.5318	0.5641	0.5964	0.6287	0.6610
0.6933	0.7255	0.7578	0.7807	0.8006
0.8206	0.8405	0.8604	0.8804	0.9003
0.9202	0.9402	0.9601	0.9801	1.0000

Transect ROW_18m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0154	0.0209	0.0273	0.0346	0.0427
0.0516	0.0614	0.0721	0.0836	0.0960
0.1092	0.1233	0.1382	0.1540	0.1707
0.1882	0.2065	0.2256	0.2447	0.2638
0.2830	0.3026	0.3232	0.3447	0.3670
0.3903	0.4144	0.4394	0.4653	0.4921
0.5197	0.5483	0.5777	0.6080	0.6392
0.6713	0.7043	0.7382	0.7729	0.8085
0.8451	0.8825	0.9208	0.9599	1.0000

Hrad:

0.0179	0.0359	0.0538	0.0717	0.0896
0.1076	0.1255	0.1434	0.1613	0.1793
0.1972	0.2151	0.2330	0.2510	0.2689
0.2868	0.3047	0.3227	0.3406	0.3585
0.3764	0.3944	0.4225	0.4577	0.4928
0.5279	0.5621	0.5942	0.6243	0.6525
0.6791	0.7042	0.7279	0.7504	0.7716
0.7918	0.8110	0.8292	0.8467	0.8634
0.8794	0.8948	0.9095	0.9238	0.9375
0.9508	0.9636	0.9761	0.9882	1.0000

Width:

0.0211	0.0421	0.0632	0.0843	0.1053
0.1264	0.1475	0.1685	0.1896	0.2107
0.2318	0.2528	0.2739	0.2950	0.3160
0.3371	0.3582	0.3792	0.4003	0.4214
0.4424	0.4635	0.4722	0.4722	0.4722
0.4752	0.4971	0.5190	0.5408	0.5627
0.5846	0.6064	0.6283	0.6502	0.6720
0.6939	0.7158	0.7376	0.7595	0.7813
0.8032	0.8251	0.8469	0.8688	0.8907
0.9125	0.9344	0.9563	0.9781	1.0000

Transect ROW_20m

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0193	0.0253	0.0320	0.0395
0.0478	0.0568	0.0667	0.0774	0.0888
0.1011	0.1141	0.1279	0.1425	0.1579
0.1741	0.1911	0.2088	0.2274	0.2464
0.2654	0.2844	0.3034	0.3226	0.3431
0.3646	0.3874	0.4114	0.4365	0.4629
0.4904	0.5191	0.5490	0.5801	0.6123
0.6458	0.6804	0.7162	0.7532	0.7914
0.8307	0.8713	0.9130	0.9559	1.0000

Hrad:

0.0190	0.0380	0.0570	0.0760	0.0950
0.1141	0.1331	0.1521	0.1711	0.1901
0.2091	0.2281	0.2471	0.2661	0.2851
0.3041	0.3231	0.3422	0.3612	0.3802
0.3992	0.4182	0.4372	0.4562	0.4926
0.5299	0.5672	0.6043	0.6411	0.6750
0.7060	0.7344	0.7603	0.7841	0.8059
0.8259	0.8444	0.8615	0.8773	0.8920
0.9057	0.9186	0.9307	0.9421	0.9529
0.9632	0.9730	0.9823	0.9913	1.0000

Width:

0.0177	0.0353	0.0530	0.0707	0.0883
0.1060	0.1237	0.1413	0.1590	0.1767
0.1943	0.2120	0.2297	0.2473	0.2650
0.2827	0.3003	0.3180	0.3357	0.3533

0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4590 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.7164 0.7400 0.7636 0.7873
0.7873 0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3981 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4385 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8880 0.8880 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4113 0.4493 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1970 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9305 0.9395 0.8568 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6500 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2112 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4172 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8745 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1863 0.2081 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4928 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017
0.3227 0.3453 0.3685 0.3919 0.4155
0.4393 0.4633 0.4875 0.5118 0.5364
0.5615 0.5871 0.6133 0.6408 0.6690
0.6977 0.7269 0.7568 0.7876 0.8192

	0.8516	0.8851	0.9205	0.9583	1.0000
Hrad:					
	0.0356	0.0671	0.0952	0.1219	0.1526
	0.1825	0.2111	0.2388	0.2457	0.2281
	0.2626	0.2959	0.3290	0.3614	0.3872
	0.4105	0.4302	0.4402	0.4405	0.4805
	0.5198	0.5573	0.5905	0.6232	0.6553
	0.6869	0.6742	0.7110	0.7474	0.7833
	0.8187	0.8537	0.8883	0.9224	0.9509
	0.9733	0.9586	1.0049	1.0036	1.0287
	1.0536	1.0784	1.0896	1.1008	1.1169
	1.1330	1.1274	1.1025	1.0707	1.0000
Width:					
	0.0541	0.0732	0.0923	0.1110	0.1246
	0.1374	0.1502	0.1630	0.1916	0.2527
	0.2652	0.2777	0.2895	0.3012	0.3179
	0.3368	0.3586	0.3902	0.4339	0.4377
	0.4416	0.4466	0.4547	0.4628	0.4709
	0.4791	0.5224	0.5268	0.5312	0.5356
	0.5400	0.5444	0.5488	0.5532	0.5611
	0.5729	0.5847	0.6049	0.6332	0.6440
	0.6548	0.6656	0.6857	0.7062	0.7236
	0.7412	0.7753	0.8268	0.8894	1.0000
Transect Upstream5					
Area:					
	0.0012	0.0039	0.0075	0.0122	0.0185
	0.0256	0.0332	0.0413	0.0500	0.0592
	0.0689	0.0792	0.0900	0.1012	0.1130
	0.1251	0.1375	0.1502	0.1632	0.1765
	0.1902	0.2041	0.2184	0.2330	0.2480
	0.2635	0.2798	0.2968	0.3145	0.3331
	0.3525	0.3727	0.3942	0.4178	0.4431
	0.4698	0.4988	0.5309	0.5639	0.5984
	0.6349	0.6722	0.7101	0.7485	0.7872
	0.8265	0.8666	0.9084	0.9530	1.0000
Hrad:					
	0.0281	0.0626	0.0927	0.1114	0.1369
	0.1752	0.2115	0.2463	0.2799	0.3124
	0.3424	0.3749	0.4068	0.4379	0.4694
	0.5056	0.5411	0.5759	0.6102	0.6439
	0.6771	0.7099	0.7421	0.7699	0.7956
	0.8104	0.8232	0.8370	0.8495	0.8616
	0.8746	0.8886	0.8484	0.8428	0.8418
	0.8363	0.8155	0.8068	0.8309	0.8203
	0.8497	0.8801	0.9176	0.9547	0.9913
	1.0230	1.0475	1.0267	1.0168	1.0000
Width:					
	0.0449	0.0640	0.0831	0.1124	0.1386
	0.1495	0.1603	0.1712	0.1820	0.1929
	0.2048	0.2146	0.2243	0.2341	0.2433
	0.2496	0.2559	0.2622	0.2684	0.2747
	0.2810	0.2873	0.2936	0.3016	0.3105
	0.3241	0.3390	0.3539	0.3698	0.3865
	0.4032	0.4199	0.4663	0.4984	0.5298
	0.5663	0.6178	0.6645	0.6844	0.7354
	0.7522	0.7679	0.7768	0.7857	0.7946
	0.8074	0.8259	0.8838	0.9366	1.0000
Transect Upstream6					
Area:					
	0.0020	0.0057	0.0101	0.0154	0.0216
	0.0285	0.0362	0.0446	0.0534	0.0628
	0.0726	0.0829	0.0939	0.1054	0.1174
	0.1299	0.1429	0.1564	0.1705	0.1850
	0.2000	0.2153	0.2310	0.2472	0.2637
	0.2808	0.2986	0.3172	0.3364	0.3564
	0.3786	0.4016	0.4255	0.4503	0.4760
	0.5026	0.5304	0.5593	0.5897	0.6214
	0.6541	0.6875	0.7215	0.7561	0.7915
	0.8280	0.8671	0.9077	0.9506	1.0000
Hrad:					
	0.0333	0.0728	0.1080	0.1404	0.1714
	0.2022	0.2321	0.2687	0.3047	0.3396
	0.3717	0.4020	0.4318	0.4612	0.4948
	0.5246	0.5534	0.5820	0.6106	0.6442
	0.6773	0.7100	0.7423	0.7742	0.8057
	0.8224	0.8398	0.8578	0.8777	0.8995
	0.8582	0.8792	0.8979	0.9152	0.9365
	0.9490	0.9612	0.9727	0.9697	0.9916
	1.0145	1.0496	1.0816	1.1092	1.1367
	1.1540	1.1196	1.1309	1.0883	1.0000
Width:					
	0.0616	0.0785	0.0947	0.1108	0.1267
	0.1418	0.1569	0.1666	0.1758	0.1850
	0.1952	0.2062	0.2171	0.2280	0.2365
	0.2466	0.2570	0.2674	0.2776	0.2853
	0.2930	0.3007	0.3084	0.3161	0.3238
	0.3379	0.3520	0.3661	0.3797	0.4163
	0.4379	0.4535	0.4707	0.4888	0.5050
	0.5264	0.5485	0.5718	0.6051	0.6237
	0.6417	0.6518	0.6637	0.6783	0.6930
	0.7329	0.7718	0.8002	0.8718	1.0000

```
***************
Analysis Options
***************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 01/01/2000 00:00:00
Ending Date .............. 01/03/2000 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:01:00
Dry Time Step ............ 00:01:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 18
Head Tolerance ........... 0.001500 m

**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************   ----------    ----------
Total Precipitation .....         8.620       103.199
Evaporation Loss ........         0.000         0.000
Infiltration Loss .......         3.540        42.386
Surface Runoff ..........         4.986        59.700
Final Storage ...........         0.096         1.148
Continuity Error (%) ....        -0.034

**************************        Volume         Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************   ----------    ----------
Dry Weather Inflow .....           0.000         0.000
Wet Weather Inflow .....           4.987        49.866
Groundwater Inflow .....           0.000         0.000
RDII Inflow ............           0.000         0.000
External Inflow ........           0.028         0.284
External Outflow .......           4.782        47.820
Flooding Loss ..........           0.000         0.000
Evaporation Loss .......           0.000         0.000
Exfiltration Loss ......           0.233         2.328
Initial Stored Volume ....         0.000         0.000
Final Stored Volume ....           0.004         0.039
Continuity Error (%) ....         -0.075

**************************
Highest Continuity Errors
**************************
Node J45 (36.34%)
Node J36 (6.46%)
Node J22 (6.14%)
Node 644_(C-STRM) (-5.61%)
Node J35 (-4.86%)

***************************
Time-Step Critical Elements
***************************
Link C-STRM-102_(C-STRM) (1.07%)

*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-102_(C-STRM) (10)
Link C-STRM-83_(C-STRM) (8)
Link OL2 (5)
Link C-STRM-71_(C-STRM) (5)
Link OL15 (4)

*********************************
Most Frequent Nonconverging Nodes
*********************************
Convergence obtained at all time steps.

**************************
Routing Time Step Summary
**************************
Minimum Time Step           :     0.08 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
    1.000 -  0.871 sec      :    99.63 %
    0.871 -  0.758 sec      :     0.25 %
    0.758 -  0.660 sec      :     0.06 %
    0.660 -  0.574 sec      :     0.02 %
    0.574 -  0.500 sec      :     0.04 %

**************************
Subcatchment Runoff Summary
**************************
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Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
A15_1	103.20	0.00	0.00	60.13	19.29	21.26	40.54	0.53	0.09	0.393
A15_2	103.20	0.00	0.00	60.13	19.28	18.90	38.18	0.82	0.13	0.370
A18	103.20	0.00	0.00	46.88	39.79	15.96	55.75	0.33	0.18	0.540
A19	103.20	0.00	0.00	61.78	22.70	18.39	41.10	0.45	0.24	0.398
A20	103.20	0.00	0.00	73.16	8.51	20.25	28.76	1.39	0.20	0.279
NULL3	103.20	0.00	0.00	12.52	84.75	4.70	89.45	0.51	0.19	0.867
S1	103.20	0.00	0.00	49.15	65.37	33.49	53.10	3.46	2.16	0.515
S1_1	103.20	0.00	0.00	29.01	72.66	15.03	73.16	0.07	0.03	0.709
S1_2	103.20	0.00	0.00	29.05	72.66	14.99	73.12	0.10	0.05	0.709
S10_1	103.20	0.00	0.00	49.15	65.37	33.49	53.10	0.98	0.61	0.515
S10_2	103.20	0.00	0.00	49.15	65.37	33.49	53.10	1.13	0.71	0.515
S10_4	103.20	0.00	0.00	49.15	65.37	33.49	53.10	0.39	0.24	0.515
S10_5	103.20	0.00	0.00	49.15	65.37	33.49	53.10	0.67	0.42	0.515
S11	103.20	0.00	0.00	83.22	0.00	19.98	19.98	0.66	0.32	0.194
S12	103.20	0.00	0.00	29.08	72.66	14.96	73.09	0.32	0.15	0.708
S14_1	103.20	0.00	0.00	29.11	72.66	14.93	73.05	0.44	0.21	0.708
S14_3	103.20	0.00	0.00	29.20	72.64	14.83	72.95	0.77	0.36	0.707
S14_4	103.20	0.00	0.00	29.15	72.65	14.88	73.00	0.22	0.10	0.707
S14_5	103.20	0.00	0.00	29.18	72.65	14.85	72.97	1.23	0.57	0.707
S14_6	103.20	0.00	0.00	29.14	72.65	14.90	73.02	0.20	0.09	0.708
S14_7	103.20	0.00	0.00	29.15	72.65	14.88	73.00	0.87	0.41	0.707
S14_8	103.20	0.00	0.00	29.16	72.65	14.88	73.00	0.31	0.15	0.707
S15	103.20	0.00	0.00	49.15	65.37	33.49	53.10	0.87	0.54	0.515
S16_1	103.20	0.00	0.00	0.00	101.62	0.00	101.62	0.47	0.14	0.985
S16_2	103.20	0.00	0.00	0.00	101.57	0.00	101.57	1.00	0.24	0.984
S17	103.20	0.00	0.00	92.32	3.39	10.83	10.83	0.68	0.15	0.105
S18_2	103.20	0.00	0.00	47.51	68.28	34.21	54.69	1.83	1.12	0.530
S18_3	103.20	0.00	0.00	47.51	68.28	34.21	54.69	0.91	0.55	0.530
S18_4	103.20	0.00	0.00	47.51	68.28	34.21	54.69	0.48	0.29	0.530
S18_5	103.20	0.00	0.00	47.51	68.28	34.21	54.69	1.00	0.61	0.530
S18_6	103.20	0.00	0.00	47.51	68.28	34.21	54.69	0.46	0.28	0.530
S19	103.20	0.00	0.00	29.15	72.65	14.89	73.01	0.71	0.33	0.707
S2	103.20	0.00	0.00	29.17	72.65	14.86	72.98	0.27	0.13	0.707
S2_1	103.20	0.00	0.00	47.51	68.28	34.21	54.69	1.72	1.05	0.530
S2_2	103.20	0.00	0.00	47.51	68.28	34.21	54.69	0.55	0.34	0.530
S20_1	103.20	0.00	0.00	29.11	72.66	14.93	73.06	0.33	0.15	0.708
S20_2	103.20	0.00	0.00	29.12	72.66	14.92	73.04	0.17	0.08	0.708
S3	103.20	0.00	0.00	49.15	65.37	33.49	53.10	1.13	0.70	0.515
S32_1	103.20	0.00	0.00	29.07	72.66	14.97	73.10	0.31	0.15	0.708
S32_2	103.20	0.00	0.00	49.15	65.37	33.49	53.10	0.08	0.05	0.515
S36	103.20	0.00	0.00	0.00	101.52	0.00	101.52	1.85	0.38	0.984
S4	103.20	0.00	0.00	11.59	87.11	3.15	90.26	11.93	3.86	0.875

S5			103.20	0.00	0.00	11.13	87.13	3.61
90.74	2.90	1.05	0.879					
S6			103.20	0.00	0.00	38.58	58.13	17.30
63.80	0.22	0.11	0.618					
S7			103.20	0.00	0.00	11.09	87.13	3.65
90.78	3.62	1.32	0.880					
S8			103.20	0.00	0.00	70.91	36.31	31.76
31.76	0.51	0.28	0.308					

****
Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days	hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.16	104.55	0	12:00	0.16
EXD_10	JUNCTION	0.05	0.39	99.05	0	12:03	0.39
EXD_11	JUNCTION	0.04	0.29	98.79	0	12:03	0.29
EXD_12	JUNCTION	0.06	0.42	98.72	0	12:02	0.42
EXD_13	JUNCTION	0.01	0.17	104.50	0	12:01	0.17
EXD_14	JUNCTION	0.00	0.00	102.49	0	00:00	0.00
EXD_15	JUNCTION	0.06	0.48	100.75	0	12:00	0.48
EXD_16	JUNCTION	0.04	0.20	100.40	0	12:02	0.20
EXD_17	JUNCTION	0.05	0.19	100.08	0	11:57	0.19
EXD_18	JUNCTION	0.03	0.22	99.62	0	12:03	0.22
EXD_19	JUNCTION	0.06	0.42	99.61	0	12:04	0.42
EXD_2	JUNCTION	0.03	0.27	103.74	0	12:02	0.27
EXD_20	JUNCTION	0.06	0.42	99.61	0	12:04	0.42
EXD_21	JUNCTION	0.06	0.31	99.49	0	12:04	0.31
EXD_22	JUNCTION	0.03	0.20	99.34	0	12:07	0.20
EXD_23	JUNCTION	0.06	0.31	99.05	0	12:10	0.31
EXD_24	JUNCTION	0.03	0.26	98.93	0	12:13	0.26
EXD_25	JUNCTION	0.05	0.40	98.92	0	12:13	0.39
EXD_26	JUNCTION	0.03	0.19	98.68	0	12:14	0.19
EXD_27	JUNCTION	0.06	0.35	98.52	0	12:00	0.35
EXD_3	JUNCTION	0.01	0.15	103.34	0	12:03	0.15
EXD_4	JUNCTION	0.01	0.15	102.79	0	12:04	0.14
EXD_5	JUNCTION	0.01	0.23	102.72	0	12:04	0.23
EXD_6	JUNCTION	0.01	0.14	102.46	0	12:05	0.14
EXD_7	JUNCTION	0.01	0.19	101.68	0	12:07	0.19
EXD_8	JUNCTION	0.06	0.70	101.19	0	12:15	0.70
EXD_9	JUNCTION	0.03	0.21	100.60	0	12:17	0.21
J1	JUNCTION	0.00	0.06	103.51	0	12:07	0.06
J13	JUNCTION	0.01	0.21	103.51	0	12:04	0.21
J17	JUNCTION	0.01	0.16	104.53	0	12:00	0.16
J19	JUNCTION	0.00	0.08	105.68	0	12:00	0.08
J2	JUNCTION	0.00	0.05	109.05	0	12:00	0.05
J20	JUNCTION	0.00	0.09	105.89	0	12:00	0.09
J21	JUNCTION	0.00	0.06	105.96	0	12:00	0.06
J22	JUNCTION	0.00	0.07	106.07	0	12:05	0.07
J23	JUNCTION	0.00	0.06	106.26	0	12:02	0.06
J27	JUNCTION	0.00	0.09	109.09	0	12:00	0.09
J28	JUNCTION	0.00	0.13	108.93	0	12:00	0.13
J3	JUNCTION	0.00	0.12	103.82	0	12:01	0.12
J31	JUNCTION	0.00	0.15	106.15	0	12:02	0.15
J35	JUNCTION	0.00	0.16	104.86	0	12:00	0.16
J36	JUNCTION	0.00	0.08	105.20	0	12:03	0.07
J37	JUNCTION	0.00	0.14	104.79	0	12:01	0.14
J38	JUNCTION	0.00	0.18	104.78	0	12:04	0.18
J39	JUNCTION	0.00	0.18	104.63	0	12:05	0.18
J4	JUNCTION	0.00	0.14	103.74	0	12:01	0.14
J40	JUNCTION	0.00	0.25	103.45	0	12:06	0.25
J42	JUNCTION	0.00	0.15	104.35	0	12:05	0.15
J43	JUNCTION	0.00	0.13	104.63	0	12:02	0.13
J45	JUNCTION	0.00	0.03	104.63	0	12:05	0.03
J46	JUNCTION	0.00	0.00	105.10	0	00:00	0.00
J47	JUNCTION	0.00	0.12	105.87	0	12:01	0.12
J49	JUNCTION	0.00	0.14	105.44	0	12:04	0.14
J5	JUNCTION	0.00	0.17	103.67	0	12:01	0.17
J50	JUNCTION	0.00	0.11	106.86	0	12:01	0.11
J51	JUNCTION	0.00	0.00	109.75	0	00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0	00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0	00:00	0.00
J56	JUNCTION	0.00	0.02	108.49	0	12:01	0.02
J57	JUNCTION	0.00	0.09	108.49	0	12:00	0.09
J58	JUNCTION	0.00	0.10	108.10	0	12:00	0.10
J6	JUNCTION	0.00	0.20	103.60	0	12:02	0.20
J60	JUNCTION	0.00	0.08	107.08	0	12:00	0.08
J61	JUNCTION	0.00	0.11	106.61	0	12:01	0.11
J62	JUNCTION	0.00	0.15	105.85	0	12:03	0.15
J63	JUNCTION	0.00	0.07	105.27	0	12:01	0.07
J66	JUNCTION	0.00	0.10	107.85	0	12:01	0.10
J67	JUNCTION	0.00	0.09	107.59	0	12:03	0.09
J74	JUNCTION	0.34	1.00	99.45	0	12:13	1.00
OF1	OUTFALL	0.00	0.00	100.80	0	00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
OF3	OUTFALL	0.04	0.31	98.31	0	12:00	0.31
ST4_108A_(P-Stm)	OUTFALL	0.49	1.41	99.43	0	12:13	1.41
500_(C-STRM)	STORAGE	0.27	0.62	100.99	0	12:08	0.62
502_(C-STRM)	STORAGE	0.14	1.71	102.28	0	12:10	1.70
503_(C-STRM)	STORAGE	0.13	1.81	102.43	0	12:10	1.81
504_(C-STRM)	STORAGE	0.34	1.26	104.32	0	12:09	1.26
505_(C-STRM)	STORAGE	0.34	1.52	105.00	0	12:09	1.52
506_(C-STRM)	STORAGE	0.34	1.66	105.49	0	12:08	1.65
507_(C-STRM)	STORAGE	0.34	1.65	105.82	0	12:09	1.65
508_(C-STRM)	STORAGE	0.34	1.74	106.13	0	12:09	1.73
509_(C-STRM)	STORAGE	0.34	1.84	106.46	0	12:09	1.84
510_(C-STRM)	STORAGE	0.34	1.85	106.73	0	12:10	1.85
511_(C-STRM)	STORAGE	0.34	1.87	106.80	0	12:10	1.87
512_(C-STRM)	STORAGE	0.34	1.94	107.08	0	12:10	1.94
513_(C-STRM)	STORAGE	0.34	1.93	107.19	0	12:10	1.93
514_(C-STRM)	STORAGE	0.23	1.59	107.20	0	12:10	1.59
515_(C-STRM)	STORAGE	0.23	1.34	107.21	0	12:10	1.32
516_(C-STRM)	STORAGE	0.34	1.93	107.41	0	12:10	1.93
517_(C-STRM)	STORAGE	0.34	1.99	107.63	0	12:09	1.98
518_(C-STRM)	STORAGE	0.35	2.28	108.15	0	12:07	2.28
519_(C-STRM)	STORAGE	0.33	2.07	108.17	0	12:06	2.05
520_(C-STRM)	STORAGE	0.33	1.93	108.30	0	12:05	1.92
522_(C-STRM)	STORAGE	0.31	0.65	104.95	0	12:03	0.65
525_(C-STRM)	STORAGE	0.14	1.72	102.31	0	12:12	1.72
528_(C-STRM)	STORAGE	0.09	1.87	102.57	0	12:13	1.87
532_(C-STRM)	STORAGE	0.07	1.92	102.72	0	12:13	1.92
536_(C-STRM)	STORAGE	0.06	1.91	102.86	0	12:13	1.91
540_(C-STRM)	STORAGE	0.35	2.16	102.99	0	12:13	2.16
541_(C-STRM)	STORAGE	0.34	2.14	103.05	0	12:14	2.14
551_(C-STRM)	STORAGE	0.34	1.67	102.35	0	12:11	1.67
552_(C-STRM)	STORAGE	0.33	1.65	102.42	0	12:12	1.65
553_(C-STRM)	STORAGE	0.33	1.53	102.49	0	12:12	1.53
554_(C-STRM)	STORAGE	0.24	1.42	102.49	0	12:12	1.42
555_(C-STRM)	STORAGE	0.23	1.23	102.50	0	12:12	1.22
556_(C-STRM)	STORAGE	0.23	1.11	102.50	0	12:12	1.10
601_(C-STRM)	STORAGE	0.12	1.25	101.68	0	12:16	1.25
602_(C-STRM)	STORAGE	0.14	1.79	102.37	0	12:16	1.79
603_(C-STRM)	STORAGE	0.13	1.89	102.44	0	12:16	1.89
604_(C-STRM)	STORAGE	0.14	2.19	102.82	0	12:16	2.19
605_(C-STRM)	STORAGE	0.25	1.57	102.94	0	12:16	1.57
619_(C-STRM)	STORAGE	0.14	2.85	103.98	0	12:15	2.85
622_(C-STRM)	STORAGE	0.14	3.09	104.32	0	12:15	3.09
626_(C-STRM)	STORAGE	0.24	1.14	105.14	0	12:15	1.14
627_(C-STRM)	STORAGE	0.24	1.76	104.26	0	12:15	1.76
629_(C-STRM)	STORAGE	0.13	2.79	104.50	0	12:15	2.78
630_(C-STRM)	STORAGE	0.13	2.84	104.67	0	12:15	2.84
630A_(C-STRM)	STORAGE	0.13	2.85	104.72	0	12:15	2.85
633_TC-STRM)	STORAGE	0.00	0.16	105.46	0	12:00	0.16
634_(C-STRM)	STORAGE	0.26	2.60	104.48	0	12:15	2.60
637_(C-STRM)	STORAGE	0.00	0.18	105.53	0	12:01	0.18
643_(C-STRM)	STORAGE	0.25	2.58	104.65	0	12:15	2.58
644_(C-STRM)	STORAGE	0.24	2.16	104.70	0	12:15	2.16
645_(C-STRM)	STORAGE	0.08	2.51	104.81	0	12:15	2.51
646_(C-STRM)	STORAGE	0.08	2.48	104.92	0	12:15	2.48
647_(C-STRM)	STORAGE	0.07	2.43	105.00	0	12:14	2.43
650_(C-STRM)	STORAGE	0.13	2.56	103.55	0	12:15	2.56
651_(C-STRM)	STORAGE	0.14	2.43	103.32	0	12:15	2.43
652_(C-STRM)	STORAGE	0.14	2.35	103.22	0	12:15	2.35
Filter_Bed	STORAGE	0.31	0.93	101.03	0	12:07	0.93
Industrial_NORTH	STORAGE	0.00	0.13	105.33	0	12:03	0.13
Industrial_South	STORAGE	0.00	0.22	105.22	0	12:03	0.22
MTD_(C-STRM)	STORAGE	0.26	1.60	101.96	0	12:10	1.60
OVERFLOW_(C-STRM)	STORAGE	0.39	1.03	101.20	0	12:08	1.03
PARK	STORAGE	0.00	0.08	105.44	0	12:12	0.08
POND_(C-STRM)	STORAGE	1.29	2.24	100.69	0	13:57	2.24
S_504-503	STORAGE	0.00	0.12	105.87	0	12:01	0.12
S_525-MTD	STORAGE	0.00	0.16	103.61	0	12:01	0.16
S_528-525	STORAGE	0.00	0.16	103.66	0	12:01	0.16
S_533-528	STORAGE	0.00	0.15	103.80	0	12:00	0.15
S_536-532	STORAGE	0.00	0.23	103.93	0	12:00	0.23
S_540-536	STORAGE	0.00	0.20	104.05	0	12:00	0.20
S_545-541	STORAGE	0.00	0.19	104.09	0	12:01	0.19
S_607-605	STORAGE	0.00	0.20	108.10	0	12:03	0.20
S_620-619	STORAGE	0.00	0.22	107.12	0	12:00	0.22
S_622-619	STORAGE	0.00	0.16	106.16	0	12:02	0.16
S_623-622	STORAGE	0.00	0.23	106.73	0	12:00	0.23
S_627-630	STORAGE	0.00	0.14	106.84	0	12:00	0.14
S_652-604	STORAGE	0.00	0.17	106.02	0	12:01	0.17
Woodlot_North	STORAGE	0.00	0.16	106.91	0	12:26	0.16

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days	hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.147	0	12:00	0	0.318	-0.005
EXD_10	JUNCTION	0.525	0.775	0	12:00	2.32	4.85	-0.052
EXD_11	JUNCTION	0.000	0.709	0	12:03	0	4.85	0.003
EXD_12	JUNCTION	0.126	0.800	0	12:02	0.821	5.67	0.001
EXD_13	JUNCTION	0.000	0.147	0	12:00	0	0.318	-0.179
EXD_14	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.196	0.196	0	12:00	1.39	1.39	-0.000
EXD_16	JUNCTION	0.000	0.129	0	12:00	0	1.39	-0.010
EXD_17	JUNCTION	0.000	0.127	0	12:02	0	1.39	-0.025
EXD_18	JUNCTION	0.000	0.129	0	11:59	0	1.39	0.101
EXD_19	JUNCTION	0.000	0.132	0	12:08	0	1.4	-0.052
EXD_2	JUNCTION	0.000	0.145	0	12:01	0	0.319	0.203
EXD_20	JUNCTION	0.236	0.246	0	12:04	0.455	1.85	-0.003
EXD_21	JUNCTION	0.000	0.245	0	12:04	0	1.84	-0.017
EXD_22	JUNCTION	0.000	0.245	0	12:05	0	1.84	-0.027
EXD_23	JUNCTION	0.000	0.242	0	12:07	0	1.85	0.100
EXD_24	JUNCTION	0.000	0.236	0	12:11	0	1.84	0.014
EXD_25	JUNCTION	0.175	0.266	0	12:11	0.331	2.17	0.001
EXD_26	JUNCTION	0.000	0.325	0	12:13	0	2.17	0.038
EXD_27	JUNCTION	0.195	1.141	0	12:00	0.506	8.35	-0.006
EXD_3	JUNCTION	0.000	0.138	0	12:02	0	0.318	0.069
EXD_4	JUNCTION	0.000	0.137	0	12:03	0	0.318	0.027
EXD_5	JUNCTION	0.000	0.137	0	12:04	0	0.318	0.003
EXD_6	JUNCTION	0.000	0.136	0	12:04	0	0.318	-0.373
EXD_7	JUNCTION	0.150	0.281	0	12:05	0.678	0.997	0.199
EXD_8	JUNCTION	0.328	0.502	0	12:00	1.54	2.53	-0.009
EXD_9	JUNCTION	0.000	0.358	0	12:15	0	2.53	0.127
J1	JUNCTION	0.000	0.086	0	12:04	0	0.0191	48.998
J13	JUNCTION	0.000	1.356	0	12:02	0	0.73	-0.264
J17	JUNCTION	0.000	0.147	0	12:00	0	0.318	0.004
J19	JUNCTION	0.032	0.126	0	12:00	0.0686	0.133	0.263
J2	JUNCTION	0.148	0.148	0	12:00	0.318	0.318	-0.104
J20	JUNCTION	0.127	0.152	0	12:00	0.272	0.3	-0.925
J21	JUNCTION	0.047	0.048	0	12:00	0.102	0.126	-0.176
J22	JUNCTION	0.000	0.059	0	12:02	0	0.0256	6.540
J23	JUNCTION	0.000	0.105	0	12:00	0	0.0379	3.027
J27	JUNCTION	0.206	0.206	0	12:00	0.441	0.441	-1.903
J28	JUNCTION	0.573	0.649	0	12:00	1.23	1.28	0.062
J3	JUNCTION	0.000	0.524	0	12:01	0	0.294	-0.004
J31	JUNCTION	0.000	0.795	0	12:01	0	0.402	-0.230
J35	JUNCTION	0.330	0.652	0	12:00	0.708	0.947	-4.632
J36	JUNCTION	0.000	0.095	0	12:01	0	0.0706	6.907
J37	JUNCTION	0.000	0.410	0	12:00	0	0.245	0.749
J38	JUNCTION	0.081	1.070	0	12:03	0.173	0.907	-0.378
J39	JUNCTION	0.000	0.999	0	12:04	0	0.696	0.854
J4	JUNCTION	0.000	0.818	0	12:01	0	0.433	0.007
J40	JUNCTION	0.000	2.580	0	12:05	0	1.87	0.004
J42	JUNCTION	0.154	1.609	0	12:04	0.33	1.53	-0.433
J43	JUNCTION	0.145	0.823	0	12:01	0.312	0.839	-0.384
J45	JUNCTION	0.000	0.021	0	12:01	0	0.00484	57.094
J46	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J47	JUNCTION	0.105	0.840	0	12:01	0.224	0.761	-0.000
J49	JUNCTION	0.000	0.774	0	12:03	0	0.493	0.472
J5	JUNCTION	0.000	0.935	0	12:01	0	0.494	-0.002
J50	JUNCTION	0.145	0.625	0	12:00	0.311	0.739	0.434

J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.004	0	11:58	0	0.00101	52.314
J57	JUNCTION	0.360	0.525	0	12:00	0.774	0.877	0.353
J58	JUNCTION	0.095	0.292	0	12:00	0.203	0.332	- 0.582
J6	JUNCTION	0.000	1.152	0	12:01	0	0.601	0.002
J60	JUNCTION	0.406	0.547	0	12:00	0.872	1	- 0.882
J61	JUNCTION	0.000	0.410	0	12:00	0	0.201	- 0.497
J62	JUNCTION	0.000	0.722	0	12:03	0	0.403	0.845
J63	JUNCTION	0.000	0.100	0	12:00	0	0.0715	1.202
J66	JUNCTION	0.000	0.218	0	12:00	0	0.138	0.103
J67	JUNCTION	0.000	0.207	0	12:02	0	0.137	3.908
J74	JUNCTION	0.000	0.340	0	13:57	0	39.3	0.015
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	0.000 ltr
OF2	OUTFALL	0.114	0.114	0	12:00	0.218	0.218	0.000
OF3	OUTFALL	0.000	1.115	0	12:00	0	8.35	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.340	0	13:58	0	39.3	0.000
500_(C-STRM)	STORAGE	0.000	0.248	0	12:08	0	1.1	- 0.171
502_(C-STRM)	STORAGE	0.000	1.326	0	12:09	0	5.67	0.029
503_(C-STRM)	STORAGE	0.000	1.013	0	12:09	0	4.34	0.001
504_(C-STRM)	STORAGE	0.000	0.931	0	12:09	0	4.01	- 0.051
505_(C-STRM)	STORAGE	0.000	0.854	0	12:08	0	3.69	0.008
506_(C-STRM)	STORAGE	0.000	0.775	0	12:08	0	3.36	0.116
507_(C-STRM)	STORAGE	0.000	0.585	0	12:11	0	2.51	- 0.174
508_(C-STRM)	STORAGE	0.000	0.578	0	12:10	0	2.51	- 0.002
509_(C-STRM)	STORAGE	0.000	0.574	0	12:10	0	2.51	0.003
510_(C-STRM)	STORAGE	0.000	0.572	0	12:10	0	2.51	- 0.026
511_(C-STRM)	STORAGE	0.000	0.572	0	12:10	0	2.51	0.027
512_(C-STRM)	STORAGE	0.000	0.523	0	12:08	0	2.32	- 0.002
513_(C-STRM)	STORAGE	0.000	0.590	0	11:53	0	2.37	0.192
514_(C-STRM)	STORAGE	0.000	0.071	0	11:55	0	0.0618	2.259
515_(C-STRM)	STORAGE	0.000	0.038	0	11:57	0	0.0129	- 7.582
516_(C-STRM)	STORAGE	0.000	0.387	0	11:52	0	1.57	- 0.546
517_(C-STRM)	STORAGE	0.000	0.411	0	11:54	0	1.57	- 0.199
518_(C-STRM)	STORAGE	0.000	0.436	0	11:54	0	1.58	0.531
519_(C-STRM)	STORAGE	0.000	0.135	0	11:47	0	0.398	- 0.927
520_(C-STRM)	STORAGE	0.000	0.123	0	11:46	0	0.402	0.952
522_(C-STRM)	STORAGE	0.000	0.088	0	11:46	0	0.279	0.016
525_(C-STRM)	STORAGE	0.000	1.270	0	12:22	0	4.83	0.014
528_(C-STRM)	STORAGE	0.000	1.061	0	12:22	0	4.08	- 0.002
532_(C-STRM)	STORAGE	0.000	0.841	0	12:19	0	3.28	- 0.032
536_(C-STRM)	STORAGE	0.000	0.725	0	12:18	0	2.88	- 0.001
540_(C-STRM)	STORAGE	0.000	0.495	0	12:18	0	2.02	- 0.005
541_(C-STRM)	STORAGE	0.000	0.378	0	11:47	0	1.6	0.014
551_(C-STRM)	STORAGE	0.000	0.239	0	12:12	0	0.953	- 0.331
552_(C-STRM)	STORAGE	0.000	0.239	0	12:12	0	0.951	- 0.188
553_(C-STRM)	STORAGE	0.000	0.197	0	11:46	0	0.811	0.959
554_(C-STRM)	STORAGE	0.000	0.116	0	11:55	0	0.101	2.023
555_(C-STRM)	STORAGE	0.000	0.096	0	11:54	0	0.0467	0.757
556_(C-STRM)	STORAGE	0.000	0.050	0	11:56	0	0.0108	- 7.766
601_(C-STRM)	STORAGE	0.000	5.449	0	12:16	0	23	0.015
602_(C-STRM)	STORAGE	0.000	5.450	0	12:16	0	23	- 0.000
603_(C-STRM)	STORAGE	0.000	5.296	0	12:16	0	22.5	- 0.001
604_(C-STRM)	STORAGE	0.000	5.298	0	12:15	0	22.5	0.002
605_(C-STRM)	STORAGE	0.000	0.664	0	11:47	0	2.2	- 0.042
619_(C-STRM)	STORAGE	0.000	4.379	0	12:15	0	19.3	0.001
622_(C-STRM)	STORAGE	0.000	4.151	0	12:15	0	18.7	- 0.061
626_(C-STRM)	STORAGE	0.000	0.141	0	11:54	0	0.658	- 0.403
627_(C-STRM)	STORAGE	0.000	0.269	0	12:18	0	0.903	0.382
629_(C-STRM)	STORAGE	0.000	3.190	0	12:15	0	16	0.016
630_(C-STRM)	STORAGE	0.000	3.195	0	12:10	0	16	0.007
630A_(C-STRM)	STORAGE	0.000	2.971	0	12:10	0	15.1	0.031
633_(C-STRM)	STORAGE	0.339	0.339	0	12:00	0.555	0.555	0.000
634_(C-STRM)	STORAGE	0.000	0.589	0	12:16	0	1.49	0.138
637_(C-STRM)	STORAGE	1.052	1.052	0	12:00	1.72	1.72	- 0.000
643_(C-STRM)	STORAGE	0.000	0.444	0	12:15	0	1.19	0.487
644_(C-STRM)	STORAGE	0.000	0.159	0	11:53	0	0.107	- 5.313
645_(C-STRM)	STORAGE	0.000	0.789	0	12:16	0	3.31	0.156
646_(C-STRM)	STORAGE	0.000	0.646	0	12:16	0	3.2	- 0.003
647_(C-STRM)	STORAGE	0.000	0.543	0	11:48	0	2.96	0.030
650_(C-STRM)	STORAGE	0.000	4.375	0	12:15	0	19.3	- 0.002
651_(C-STRM)	STORAGE	0.000	4.372	0	12:15	0	19.3	- 0.001
652_(C-STRM)	STORAGE	0.000	4.635	0	12:15	0	20.3	0.009
Filter_Bed	STORAGE	0.000	4.741	0	12:06	0	11.4	0.909
Industrial_NORTH	STORAGE	3.857	3.857	0	12:00	11.9	11.9	- 0.049
Industrial_South	STORAGE	1.051	1.051	0	12:00	2.9	2.9	- 0.028
MTD_(C-STRM)	STORAGE	0.000	2.536	0	12:12	0	10.5	- 0.006
OVERFLOW_(C-STRM)	STORAGE	0.000	2.539	0	12:12	0	10.5	- 0.966
PARK	STORAGE	0.277	0.277	0	12:00	0.508	0.508	- 0.000
POND_(C-STRM)	STORAGE	1.660	10.701	0	12:07	3.9	39.3	- 0.008
S_504-503	STORAGE	0.053	0.053	0	12:00	0.0845	0.0845	- 0.007
S_525-MTD	STORAGE	0.543	0.543	0	12:00	0.869	0.869	- 0.007
S_528-525	STORAGE	0.555	0.555	0	12:00	0.906	0.906	- 0.007
S_532-528	STORAGE	0.281	0.281	0	12:00	0.459	0.459	- 0.007
S_536-532	STORAGE	0.613	0.613	0	12:00	1	1	- 0.007
S_540-536	STORAGE	0.293	0.293	0	12:00	0.479	0.479	- 0.007
S_545-541	STORAGE	1.122	1.122	0	12:00	1.83	1.83	- 0.007
S_607-605	STORAGE	2.163	2.163	0	12:00	3.46	3.46	0.000
S_620-619	STORAGE	0.612	0.612	0	12:00	0.979	0.979	- 0.000
S_622-619	STORAGE	0.419	0.419	0	12:00	0.67	0.67	- 0.000
S_623-622	STORAGE	0.707	0.707	0	12:00	1.13	1.13	- 0.000
S_627-630	STORAGE	0.244	0.244	0	12:00	0.391	0.391	0.000
S_652-604	STORAGE	0.704	0.704	0	12:00	1.13	1.13	- 0.007
Woodlot_North	STORAGE	0.324	0.324	0	12:00	0.658	0.658	- 0.000

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	9.9	0.0	0.0	0.001	22.4	0 12:08	0.248
502_(C-STRM)	0.000	3.9	0.0	0.0	0.002	46.1	0 12:10	1.325
503_(C-STRM)	0.000	3.2	0.0	0.0	0.002	46.5	0 12:10	1.012
504_(C-STRM)	0.000	12.2	0.0	0.0	0.001	45.2	0 12:09	0.926
505_(C-STRM)	0.000	10.5	0.0	0.0	0.002	46.6	0 12:09	0.847
506_(C-STRM)	0.000	10.9	0.0	0.0	0.002	52.6	0 12:08	0.768
507_(C-STRM)	0.000	10.5	0.0	0.0	0.002	51.9	0 12:09	0.595
508_(C-STRM)	0.000	10.6	0.0	0.0	0.002	54.7	0 12:09	0.585
509_(C-STRM)	0.000	10.8	0.0	0.0	0.002	59.1	0 12:09	0.578
510_(C-STRM)	0.000	11.0	0.0	0.0	0.002	60.5	0 12:10	0.574
511_(C-STRM)	0.000	11.1	0.0	0.0	0.002	61.2	0 12:10	0.572
512_(C-STRM)	0.000	10.9	0.0	0.0	0.002	62.8	0 12:10	0.516
513_(C-STRM)	0.000	10.8	0.0	0.0	0.002	61.8	0 12:10	0.557
514_(C-STRM)	0.000	7.5	0.0	0.0	0.002	50.8	0 12:10	0.079
515_(C-STRM)	0.000	7.2	0.0	0.0	0.002	41.5	0 12:10	0.034
516_(C-STRM)	0.000	11.1	0.0	0.0	0.002	63.5	0 12:10	0.375
517_(C-STRM)	0.000	11.4	0.0	0.0	0.002	66.4	0 12:09	0.387
518_(C-STRM)	0.000	12.2	0.0	0.0	0.003	78.7	0 12:07	0.411
519_(C-STRM)	0.000	11.7	0.0	0.0	0.002	74.0	0 12:06	0.158
520_(C-STRM)	0.000	12.4	0.0	0.0	0.002	73.4	0 12:05	0.119
522_(C-STRM)	0.000	10.5	0.0	0.0	0.001	21.7	0 12:03	0.088
525_(C-STRM)	0.000	5.0	0.0	0.0	0.002	63.5	0 12:12	1.286
528_(C-STRM)	0.000	3.3	0.0	0.0	0.002	69.0	0 12:13	1.078
532_(C-STRM)	0.000	2.4	0.0	0.0	0.002	71.1	0 12:13	0.850
536_(C-STRM)	0.000	2.4	0.0	0.0	0.002	72.0	0 12:13	0.734
540_(C-STRM)	0.000	12.1	0.0	0.0	0.002	75.0	0 12:13	0.511
541_(C-STRM)	0.000	11.6	0.0	0.0	0.002	73.3	0 12:14	0.411
551_(C-STRM)	0.000	8.9	0.0	0.0	0.002	44.1	0 12:11	0.241
552_(C-STRM)	0.000	8.6	0.0	0.0	0.002	42.7	0 12:12	0.239
553_(C-STRM)	0.000	8.9	0.0	0.0	0.002	40.7	0 12:12	0.196
554_(C-STRM)	0.000	6.2	0.0	0.0	0.002	36.5	0 12:12	0.096
555_(C-STRM)	0.000	5.8	0.0	0.0	0.001	30.1	0 12:12	0.070
556_(C-STRM)	0.000	5.5	0.0	0.0	0.001	26.3	0 12:12	0.037
601_(C-STRM)	0.000	2.7	0.0	0.0	0.001	28.1	0 12:16	5.450
602_(C-STRM)	0.000	3.3	0.0	0.0	0.002	43.2	0 12:16	5.449
603_(C-STRM)	0.000	3.3	0.0	0.0	0.002	47.3	0 12:16	5.296
604_(C-STRM)	0.000	2.8	0.0	0.0	0.002	42.6	0 12:16	5.296
605_(C-STRM)	0.000	4.6	0.0	0.0	0.002	29.3	0 12:16	0.699

619_(C-STRM)	0.000	2.5	0.0	0.0	0.003	52.8	0	12:15
4.375								
622_(C-STRM)	0.000	2.9	0.0	0.0	0.003	64.6	0	12:15
4.146								
626_(C-STRM)	0.000	7.4	0.0	0.0	0.001	35.6	0	12:15
0.170								
627_(C-STRM)	0.000	7.0	0.0	0.0	0.002	50.3	0	12:15
0.313								
629_(C-STRM)	0.000	3.0	0.0	0.0	0.003	63.3	0	12:15
3.186								
630_(C-STRM)	0.000	2.9	0.0	0.0	0.003	64.9	0	12:15
3.190								
630A_(C-STRM)	0.000	3.1	0.0	0.0	0.003	69.0	0	12:15
2.964								
633_(C-STRM)	0.001	0.3	0.0	26.9	0.111	31.1	0	12:00
0.320								
634_(C-STRM)	0.000	6.7	0.0	0.0	0.003	68.0	0	12:15
0.680								
637_(C-STRM)	0.003	0.3	0.0	26.7	0.393	35.7	0	12:01
0.709								
643_(C-STRM)	0.000	7.4	0.0	0.0	0.003	74.8	0	12:15
0.498								
644_(C-STRM)	0.000	7.7	0.0	0.0	0.002	68.1	0	12:15
0.070								
645_(C-STRM)	0.000	2.3	0.0	0.0	0.003	69.7	0	12:15
0.884								
646_(C-STRM)	0.000	2.3	0.0	0.0	0.003	74.4	0	12:15
0.768								
647_(C-STRM)	0.000	2.4	0.0	0.0	0.003	80.2	0	12:14
0.630								
650_(C-STRM)	0.000	2.5	0.0	0.0	0.003	49.5	0	12:15
4.372								
651_(C-STRM)	0.000	2.8	0.0	0.0	0.003	48.8	0	12:15
4.371								
652_(C-STRM)	0.000	2.8	0.0	0.0	0.003	47.3	0	12:15
4.634								
Filter_Bed	0.614	18.4	0.0	0.0	1.947	58.3	0	12:07
4.669								
Industrial_NORTH	0.004	0.2	0.0	0.0	0.639	25.6	0	12:03
2.455								
Industrial_South	0.003	0.3	0.0	0.0	0.328	43.8	0	12:03
0.529								
MTD_(C-STRM)	0.000	8.7	0.0	0.0	0.002	52.9	0	12:10
2.539								
OVERFLOW_(C-STRM)	0.000	13.6	0.0	0.0	0.001	36.4	0	12:08
2.541								
PARK	0.001	0.2	0.0	0.0	0.077	15.4	0	12:12
0.154								
POND_(C-STRM)	10.211	28.2	0.0	0.0	26.071	72.0	0	13:57
0.340								
S_504-503	0.000	0.2	0.0	0.0	0.013	23.9	0	12:01
0.051								
S_525-MTD	0.002	0.3	0.0	0.0	0.189	32.9	0	12:01
0.476								
S_528-525	0.001	0.3	0.0	0.0	0.189	32.6	0	12:01
0.435								
S_532-528	0.001	0.2	0.0	0.0	0.086	29.4	0	12:00
0.251								
S_536-532	0.002	0.4	0.0	0.0	0.195	45.7	0	12:00
0.535								
S_540-536	0.001	0.3	0.0	0.0	0.082	40.3	0	12:00
0.279								
S_545-541	0.004	0.3	0.0	0.0	0.444	37.9	0	12:01
0.757								
S_607-605	0.009	0.4	0.0	26.1	0.934	41.0	0	12:03
1.188								
S_620-619	0.001	0.3	0.0	25.1	0.190	44.1	0	12:00
0.509								
S_622-619	0.001	0.2	0.0	26.5	0.137	31.1	0	12:02
0.275								
S_623-622	0.002	0.3	0.0	25.1	0.229	46.1	0	12:00
0.586								
S_627-630	0.000	0.2	0.0	28.2	0.071	27.6	0	12:00
0.211								
S_652-604	0.002	0.3	0.0	0.0	0.248	33.4	0	12:01
0.511								
Woodlot_North	0.003	0.5	0.0	0.0	0.159	31.7	0	12:26
0.141								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	47.75	0.003	0.114	0.218
OF3	96.78	0.050	1.115	8.350
ST4_108A_(P-Stm)	96.97	0.234	0.340	39.252
System	60.38	0.287	1.390	47.820

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.129	0 12:00	1.29	1.93	0.75
BDR-C2	CONDUIT	0.245	0 12:04	2.08	4.68	0.88
BDR-C3	CONDUIT	0.325	0 12:13	2.70	1.66	0.59
BDR-C4	CONDUIT	0.799	0 12:02	2.57	0.26	0.32
C1	CHANNEL	0.076	0 12:00	0.25	0.03	0.37
C1_1	CHANNEL	0.171	0 12:00	0.41	0.07	0.38
C1_11	CHANNEL	0.770	0 12:01	1.47	0.09	0.39
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.15
C1_3	CHANNEL	0.004	0 11:58	0.08	0.00	0.18
C1_4	CHANNEL	0.218	0 12:00	0.63	0.05	0.31
C1_5	CHANNEL	0.205	0 12:00	0.63	0.04	0.30
C1_6	CHANNEL	0.207	0 12:02	0.70	0.05	0.29
C1_7	CHANNEL	0.188	0 12:03	1.40	0.03	0.25
C1_8	CHANNEL	0.115	0 12:00	0.46	0.03	0.30
C1_9	CHANNEL	0.527	0 12:01	1.16	0.07	0.36
C2	CHANNEL	0.059	0 12:00	0.85	0.01	0.15
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.095	0 12:01	0.67	0.02	0.27
C2_11	CHANNEL	0.089	0 12:03	0.74	0.03	0.43
C2_12	CHANNEL	0.410	0 12:00	0.56	0.26	0.57
C2_13	CHANNEL	0.395	0 12:01	0.55	0.20	0.59
C2_14	CHANNEL	0.999	0 12:04	1.00	0.35	0.67
C2_15	CHANNEL	0.986	0 12:05	1.15	0.35	0.62
C2_16	CHANNEL	0.706	0 12:02	1.19	0.15	0.52
C2_18	CHANNEL	0.021	0 12:01	0.12	0.01	0.25
C2_2	CHANNEL	0.150	0 12:00	0.66	0.04	0.38
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.16
C2_4	CHANNEL	0.381	0 12:01	0.77	0.11	0.53
C2_5	CHANNEL	0.024	0 12:02	0.07	0.02	0.42
C2_7	CHANNEL	0.059	0 12:02	0.73	0.02	0.24
C2_8	CHANNEL	0.100	0 12:00	0.57	0.03	0.27
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.05
C3	CONDUIT	0.517	0 12:01	0.63	0.10	0.26
C3_2	CHANNEL	0.038	0 12:06	0.31	0.02	0.24
C3_6	CHANNEL	0.025	0 12:00	0.54	0.02	0.29
C3_7	CHANNEL	0.094	0 12:00	0.40	0.05	0.34
C4	CONDUIT	0.804	0 12:01	0.83	0.13	0.31
C4_5	CHANNEL	0.086	0 12:04	0.18	0.06	0.53
C4_6	CHANNEL	1.511	0 12:05	1.81	0.25	0.80
C4_7	CHANNEL	1.077	0 12:04	0.68	0.67	0.92
C5	CONDUIT	0.932	0 12:01	0.85	0.18	0.37
C5_1	CHANNEL	0.147	0 12:00	0.34	0.03	0.16
C5_10	CHANNEL	0.127	0 12:02	0.55	0.04	0.24
C5_11	CHANNEL	0.132	0 12:08	0.21	0.05	0.38
C5_12	CHANNEL	1.115	0 12:00	1.27	0.09	0.31
C5_13	CHANNEL	0.129	0 11:59	0.59	0.03	0.26
C5_14	CHANNEL	0.157	0 12:13	0.17	0.11	0.47
C5_15	CHANNEL	0.242	0 12:07	0.48	0.07	0.32
C5_16	CHANNEL	0.236	0 12:11	0.44	0.06	0.25
C5_17	CHANNEL	0.235	0 12:14	0.23	0.02	0.29
C5_18	CHANNEL	0.722	0 12:03	1.00	0.27	0.61
C5_19	CHANNEL	0.245	0 12:05	0.49	0.16	0.29
C5_2	CHANNEL	0.138	0 12:02	0.62	0.02	0.20
C5_20	CHANNEL	0.266	0 12:14	0.35	0.03	0.24
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.30
C5_23	CHANNEL	0.147	0 12:00	0.32	0.03	0.16
C5_24	CHANNEL	0.702	0 12:04	1.05	0.26	0.58
C5_25	CHANNEL	0.746	0 12:04	0.95	0.19	0.63
C5_3	CHANNEL	0.145	0 12:01	0.55	0.01	0.20
C5_4	CHANNEL	0.137	0 12:04	0.53	0.01	0.16
C5_5	CHANNEL	0.135	0 12:05	0.54	0.01	0.15
C5_6	CHANNEL	0.137	0 12:03	0.77	0.01	0.12
C5_7	CHANNEL	0.357	0 12:17	0.53	0.03	0.28
C5_8	CHANNEL	0.273	0 12:07	0.23	0.02	0.41
C5_9	CHANNEL	0.708	0 12:03	0.73	0.06	0.33
C6	CONDUIT	1.149	0 12:02	0.94	0.23	0.40
C7	CONDUIT	2.513	0 12:06	1.63	0.33	0.50
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT		0.375	0 11:53	1.10	1.00	1.00
C-STRM-1_(1)_(C-STRM) CONDUIT		0.387	0 11:52	1.12	1.19	1.00
C-STRM-1_(C-STRM)	CONDUIT	0.411	0 11:54	1.45	1.73	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.248	0 12:08	1.39	0.57	0.60
C-STRM-101_(C-STRM)	CONDUIT	0.248	0 12:08	1.60	0.57	0.54
C-STRM-102_(C-STRM)	CONDUIT	2.306	0 12:13	3.51	1.19	0.93
C-STRM-105_(C-STRM)	CONDUIT	0.854	0 12:16	1.34	1.22	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.488	0 12:16	1.15	1.16	1.00
C-STRM-107_(1)_(C-STRM) CONDUIT		4.634	0 12:15	2.17	1.31	1.00
C-STRM-107_(C-STRM)	CONDUIT	4.371	0 12:15	2.04	1.24	1.00
C-STRM-2_(1)_(C-STRM) CONDUIT		0.516	0 12:10	1.46	0.91	1.00
C-STRM-2_(C-STRM)	CONDUIT	0.523	0 12:08	1.49	0.93	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.170	0 12:18	1.79	0.59	1.00
C-STRM-21_(C-STRM)	CONDUIT	0.313	0 12:16	1.45	1.03	1.00
C-STRM-22_(1)_(C-STRM) CONDUIT		3.186	0 12:15	1.80	1.16	1.00
C-STRM-22_(C-STRM)	CONDUIT	3.190	0 12:15	1.83	1.17	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.680	0 12:16	1.27	1.22	1.00
C-STRM-26_(1)_(C-STRM) CONDUIT		0.241	0 12:12	0.78	0.71	1.00
C-STRM-26_(C-STRM)	CONDUIT	0.239	0 12:12	0.88	0.71	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.768	0 12:08	1.74	0.98	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.595	0 12:11	1.66	1.00	1.00
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT		0.585	0 12:11	1.63	0.98	1.00
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT		0.578	0 12:10	1.61	0.97	1.00
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT		0.574	0 12:10	1.60	1.02	1.00
C-STRM-3_(1)_(C-STRM) CONDUIT		0.572	0 12:10	1.71	1.02	1.00
C-STRM-33_(1)_(C-STRM) CONDUIT		0.768	0 12:16	1.21	1.09	1.00
C-STRM-33_(C-STRM)	CONDUIT	0.630	0 12:16	1.19	0.90	1.00
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT		0.096	0 11:54	0.61	0.56	1.00
C-STRM-34_(1)_(C-STRM) CONDUIT		0.050	0 11:56	0.40	0.29	1.00
C-STRM-35_(1)_(C-STRM) CONDUIT		0.191	0 12:12	1.01	0.78	1.00
C-STRM-35_(C-STRM)	CONDUIT	0.116	0 11:55	0.50	0.47	1.00
C-STRM-4_(1)_(C-STRM) CONDUIT		0.926	0 12:09	2.22	1.07	0.90
C-STRM-4_(C-STRM)	CONDUIT	0.847	0 12:09	1.92	1.08	1.00
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT		4.372	0 12:15	2.04	1.24	1.00
C-STRM-46_(1)_(C-STRM) CONDUIT		4.375	0 12:15	2.05	1.24	1.00
C-STRM-49_(C-STRM)	CONDUIT	0.418	0 12:25	0.86	0.74	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.511	0 12:25	0.96	0.92	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.734	0 12:19	1.15	1.04	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.850	0 12:22	1.14	0.98	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.078	0 12:22	1.44	1.25	1.00
C-STRM-57_(C-STRM)	CONDUIT	1.012	0 12:09	1.36	1.17	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.079	0 11:52	0.70	0.56	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.119	0 11:47	0.97	0.94	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.188	0 12:10	0.73	0.95	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0 12:03	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.286	0 12:22	1.72	1.28	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.539	0 12:12	2.94	1.32	0.99
C-STRM-78_(C-STRM)	CONDUIT	1.325	0 12:10	1.77	1.08	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT		5.296	0 12:16	2.08	1.46	1.00
C-STRM-79_(C-STRM)	CONDUIT	0.699	0 12:17	1.66	0.99	1.00
C-STRM-8_(1)_(C-STRM) CONDUIT		0.079	0 12:19	0.44	0.41	1.00
C-STRM-8_(C-STRM)	CONDUIT	0.038	0 11:57	0.33	0.30	1.00
C-STRM-80_(C-STRM)	CONDUIT	5.296	0 12:16	2.08	1.46	1.00
C-STRM-81_(C-STRM)	CONDUIT	5.449	0 12:16	2.37	1.49	0.85
C-STRM-82_(C-STRM)	CONDUIT	5.450	0 12:16	3.01	1.50	0.67
C-STRM-83_(1)_(C-STRM) CONDUIT		2.964	0 12:10	1.81	1.08	1.00
C-STRM-84_(C-STRM)	CONDUIT	4.146	0 12:15	1.94	1.18	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.083	0 11:53	0.81	0.95	1.00
CVR-C2	CONDUIT	0.136	0 12:04	2.23	0.51	0.41
CVR-C3	CONDUIT	0.358	0 12:15	3.48	2.20	0.76
CVR-C4	CONDUIT	0.709	0 12:03	2.67	0.23	0.28
ST4-Pipe_-_(99)_(P-Stm) CONDUIT		0.340	0 13:58	1.28	0.35	1.00
W1	CHANNEL	4.643	0 12:07	1.14	0.02	0.05
OR1	ORIFICE	0.340	0 13:57			1.00
OR2	ORIFICE	0.000	0 00:00			0.00
W10	WEIR	0.314	0 12:01			0.20
W11	WEIR	0.187	0 12:00			0.14
W12	WEIR	0.247	0 12:01			0.17
W13	WEIR	0.379	0 12:01			0.22
W14	WEIR	0.166	0 12:00			0.15
W15	WEIR	0.313	0 12:00			0.22
W16	WEIR	0.144	0 12:00			0.12
W17	WEIR	0.224	0 12:01			0.16
W2	WEIR	0.000	0 00:00			0.00
W3	WEIR	0.029	0 11:59			0.05
W4	WEIR	0.105	0 12:00			0.10
W5	WEIR	0.234	0 12:01			0.16
W6	WEIR	0.325	0 12:00			0.23
W7	WEIR	0.265	0 12:00			0.20
W8	WEIR	0.482	0 12:03			0.26
W9	WEIR	0.092	0 12:00			0.14
C-STRM-108_(1)_(C-STRM) DUMMY		0.126	0 11:52			
C-STRM-14_(1)_(C-STRM) DUMMY		0.664	0 11:47			
C-STRM-27_(C-STRM)	DUMMY	0.248	0 11:47			
C-STRM-42_(C-STRM)	DUMMY	0.378	0 11:47			
C-STRM-44_(1)_(C-STRM) DUMMY		0.192	0 11:47			
C-STRM-45_(1)_(C-STRM) DUMMY		0.233	0 11:47			
C-STRM-61_(C-STRM)	DUMMY	0.374	0 11:47			
C-STRM-71_(C-STRM)	DUMMY	0.529	0 11:48			
C-STRM-83_(C-STRM)	DUMMY	2.455	0 11:51			
C-STRM-93_(C-STRM)	DUMMY	0.113	0 11:47			
C-STRM-96_(1)_(C-STRM) DUMMY		0.222	0 11:47			
C-STRM-97_(1)_(C-STRM) DUMMY		0.107	0 11:47			
C-STRM-98_(1)_(C-STRM) DUMMY		0.211	0 11:47			
OL1	DUMMY	0.175	0 11:48			
OL10	DUMMY	0.026	0 01:56			
OL11	DUMMY	0.086	0 11:46			
OL12	DUMMY	0.242	0 11:46			
OL13	DUMMY	0.056	0 11:46			
OL14	DUMMY	0.215	0 11:46			
OL15	DUMMY	0.342	0 11:46			
OL16	DUMMY	0.088	0 11:46			
OL17	DUMMY	0.123	0 11:46			
OL18	DUMMY	0.014	0 11:45			
OL19	DUMMY	0.056	0 11:46			
OL2	DUMMY	0.197	0 11:46			
OL20	DUMMY	0.022	0 11:47			
OL21	DUMMY	0.154	0 11:55			
OL22	DUMMY	0.021	0 11:45			
OL3	DUMMY	0.048	0 11:46			
OL4	DUMMY	0.092	0 11:46			
OL5	DUMMY	0.087	0 11:46			
OL6	DUMMY	0.141	0 11:54			
OL7	DUMMY	0.099	0 11:48			
OL8	DUMMY	0.264	0 11:47			
OL9	DUMMY	0.062	0 11:46			

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Flow Classification Summary
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	Adjusted	Fraction of Time in Flow Class				

Conduit	/Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.44	0.00
BDR-C2	1.00	0.03	0.00	0.00	0.97	0.01	0.00	0.00	0.33	0.00
BDR-C3	1.00	0.03	0.00	0.00	0.39	0.59	0.00	0.00	0.01	0.00
BDR-C4	1.00	0.03	0.00	0.00	0.41	0.56	0.00	0.00	0.78	0.00
C1	1.00	0.50	0.02	0.00	0.48	0.00	0.00	0.00	0.76	0.00
C1_1	1.00	0.50	0.01	0.00	0.49	0.00	0.00	0.00	0.75	0.00
C1_11	1.00	0.51	0.01	0.00	0.46	0.02	0.00	0.00	0.75	0.00
C1_2	1.00	0.52	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.03	0.22	0.00	0.67	0.08	0.00	0.00	0.00	0.00
C1_4	1.00	0.03	0.49	0.00	0.47	0.01	0.00	0.00	0.75	0.00
C1_5	1.00	0.51	0.00	0.00	0.45	0.03	0.00	0.00	0.02	0.00
C1_6	1.00	0.24	0.00	0.00	0.75	0.01	0.00	0.00	0.75	0.00
C1_7	1.00	0.03	0.22	0.00	0.50	0.25	0.00	0.00	0.00	0.00
C1_8	1.00	0.51	0.01	0.00	0.46	0.02	0.00	0.00	0.75	0.00
C1_9	1.00	0.51	0.01	0.00	0.44	0.04	0.00	0.00	0.73	0.00
C2	1.00	0.52	0.00	0.00	0.00	0.00	0.00	0.48	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.24	0.00	0.00	0.76	0.01	0.00	0.00	0.75	0.00
C2_11	1.00	0.06	0.19	0.00	0.52	0.24	0.00	0.00	0.01	0.00
C2_12	1.00	0.06	0.49	0.00	0.45	0.01	0.00	0.00	0.75	0.00
C2_13	1.00	0.03	0.21	0.00	0.64	0.12	0.00	0.00	0.01	0.00
C2_14	1.00	0.03	0.49	0.00	0.47	0.01	0.00	0.00	0.75	0.00
C2_15	1.00	0.03	0.21	0.00	0.60	0.16	0.00	0.00	0.01	0.00
C2_16	1.00	0.52	0.00	0.00	0.44	0.03	0.00	0.00	0.75	0.00
C2_18	1.00	0.03	0.22	0.00	0.43	0.32	0.00	0.00	0.00	0.00
C2_2	1.00	0.03	0.49	0.00	0.47	0.01	0.00	0.00	0.75	0.00
C2_3	1.00	0.52	0.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.75	0.00
C2_5	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00
C2_7	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00
C2_8	1.00	0.03	0.49	0.00	0.46	0.02	0.00	0.00	0.75	0.00
C2_9	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	0.81	0.07	0.00	0.12	0.00	0.00	0.00	0.75	0.00
C3_2	1.00	0.03	0.22	0.00	0.60	0.15	0.00	0.00	0.00	0.00
C3_6	1.00	0.51	0.01	0.00	0.48	0.00	0.00	0.00	0.02	0.00
C3_7	1.00	0.51	0.01	0.00	0.48	0.00	0.00	0.00	0.04	0.00
C4	1.00	0.74	0.07	0.00	0.19	0.00	0.00	0.00	0.75	0.00
C4_5	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00
C4_6	1.00	0.03	0.49	0.00	0.46	0.02	0.00	0.00	0.75	0.00
C4_7	1.00	0.24	0.01	0.00	0.72	0.03	0.00	0.00	0.01	0.00
C5	1.00	0.67	0.08	0.00	0.26	0.00	0.00	0.00	0.75	0.00
C5_1	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.52	0.00
C5_10	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.92	0.00
C5_11	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.95	0.00
C5_12	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.03	0.00	0.00	0.59	0.38	0.00	0.00	0.01	0.00
C5_14	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.32	0.00
C5_15	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.94	0.00
C5_16	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.03	0.03	0.00	0.94	0.00	0.00	0.00	0.92	0.00
C5_18	1.00	0.25	0.00	0.00	0.75	0.01	0.00	0.00	0.75	0.00
C5_19	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.36	0.00
C5_2	1.00	0.05	0.00	0.00	0.71	0.25	0.00	0.00	0.00	0.00
C5_20	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_21	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.03	0.00	0.00	0.86	0.10	0.00	0.00	0.65	0.00
C5_24	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00
C5_25	1.00	0.03	0.22	0.00	0.33	0.42	0.00	0.00	0.01	0.00
C5_3	1.00	0.04	0.00	0.00	0.96	0.01	0.00	0.00	0.94	0.00
C5_4	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.93	0.00
C5_5	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.06	0.00
C5_6	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.61	0.00
C5_7	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C5_8	1.00	0.03	0.04	0.00	0.93	0.00	0.00	0.00	0.93	0.00
C5_9	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C6	1.00	0.25	0.42	0.00	0.33	0.00	0.00	0.00	0.75	0.00
C7	1.00	0.24	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.08	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.40	0.00
C-STRM-1_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.14	0.55	0.00	0.24	0.00	0.00	0.07	0.64	0.00
C-STRM-101_(C-STRM)	1.00	0.15	0.00	0.00	0.10	0.00	0.00	0.75	0.10	0.00
C-STRM-102_(C-STRM)	1.00	0.03	0.00	0.00	0.94	0.03	0.00	0.00	0.04	0.00
C-STRM-105_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.74	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.03	0.00	0.00	0.93	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.32	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.42	0.00
C-STRM-2_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.71	0.00
C-STRM-20_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-21_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.75	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.80	0.00
C-STRM-23_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.74	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.06	0.00	0.00	0.91	0.02	0.00
C-STRM-26_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.91	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.96	0.00	0.00	0.00	0.01
0.37 0.00										
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.94	0.00	
0.00										
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.04	0.01	0.00	0.95	0.00	0.00	0.00	0.50	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.30	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.21	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.35	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.92	0.00
C-STRM-33_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.80	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.25	0.70	0.00	0.05	0.00	0.00	0.00	0.74	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.03	0.83	0.00	0.14	0.00	0.00	0.00	0.74	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.03	0.00	0.00	0.84	0.11	0.00	0.00	0.50	0.00
C-STRM-45_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.97	0.00	0.00	0.00	0.74	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.45	0.00
C-STRM-49_(C-STRM)	1.00	0.03	0.25	0.00	0.72	0.00	0.00	0.00	0.90	0.00
C-STRM-50_(C-STRM)	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.93	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.03	0.00	0.00	0.06	0.00	0.00	0.91	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.76	0.00
C-STRM-53_(C-STRM)	1.00	0.03	0.11	0.00	0.86	0.00	0.00	0.00	0.45	0.00
C-STRM-57_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.35	0.00
C-STRM-60_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.03	0.00	0.00	0.01	0.00	0.00	0.96	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.04	0.00	0.00	0.08	0.00	0.00	0.88	0.03	0.00
C-STRM-64_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.03	0.00	0.00	0.62	0.00	0.00	0.35	0.12	0.00
C-STRM-77_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.28	0.00
C-STRM-78_(C-STRM)	1.00	0.03	0.00	0.00	0.62	0.00	0.00	0.35	0.11	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.42	0.00
C-STRM-79_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.75	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.24	0.01	0.00	0.02	0.00	0.00	0.74	0.01	0.00
C-STRM-8_(C-STRM)	1.00	0.25	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.66	0.00
C-STRM-81_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.43	0.00
C-STRM-82_(C-STRM)	1.00	0.03	0.00	0.00	0.16	0.00	0.00	0.80	0.00	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.24	0.00
C-STRM-84_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.36	0.00
C-STRM-87_(C-STRM)	1.00	0.99	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.06	0.00	0.00	0.57	0.37	0.00	0.00	0.79	0.00
CVR-C3	1.00	0.03	0.00	0.00	0.12	0.85	0.00	0.00	0.06	0.00
CVR-C4	1.00	0.03	0.00	0.00	0.31	0.66	0.00	0.00	0.11	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.03	0.00	0.00	0.80	0.00	0.00	0.17	0.00	0.00
W1	1.00	0.79	0.00	0.00	0.00	0.00	0.00	0.21	0.00	0.00

Conduit	Both Ends	Hours Full Upstream	Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.23	0.01	0.94	0.01
BDR-C2	0.01	0.21	0.01	2.06	0.01
BDR-C3	0.01	0.01	0.01	0.51	0.01

Conduit	Both Ends	Hours Full Upstream	Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C4_6	0.01	0.01	0.01	0.01	0.01
C4_7	0.01	0.01	0.01	0.01	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.42	0.42	0.43	0.01	0.30
C-STRM-1_(1)_(C-STRM)	0.41	0.45	0.42	0.35	0.30
C-STRM-1_(C-STRM)	0.45	0.51	0.45	0.41	0.36
C-STRM-102_(C-STRM)	0.01	0.01	0.01	0.53	0.01
C-STRM-105_(C-STRM)	0.55	0.55	0.56	0.12	0.14
C-STRM-106_(C-STRM)	0.56	0.57	0.57	0.25	0.54
C-STRM-107_(1)_(C-STRM)	0.47	0.53	0.47	0.49	0.47
C-STRM-107_(C-STRM)	0.53	0.54	0.53	0.44	0.53
C-STRM-2_(1)_(C-STRM)	0.44	0.45	0.44	0.01	0.44
C-STRM-2_(C-STRM)	0.43	0.43	0.45	0.01	0.01
C-STRM-20_(C-STRM)	0.25	0.25	0.41	0.01	0.01
C-STRM-21_(C-STRM)	0.41	0.41	0.44	0.04	0.09
C-STRM-22_(1)_(C-STRM)	0.52	0.52	0.53	0.34	0.36
C-STRM-22_(C-STRM)	0.51	0.51	0.52	0.38	0.36
C-STRM-23_(C-STRM)	0.56	0.57	0.57	0.09	0.51
C-STRM-26_(1)_(C-STRM)	0.61	0.61	0.63	0.01	0.01
C-STRM-26_(C-STRM)	0.57	0.57	0.61	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.43	0.43	0.43	0.01	0.37
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.42	0.44	0.43	0.01	0.32
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.44	0.45	0.44	0.01	0.43
C-STRM-3_(1)_(1)_(C-STRM)	0.45	0.48	0.45	0.01	0.45
C-STRM-3_(1)_(2)_(C-STRM)	0.44	0.44	0.48	0.01	0.03
C-STRM-3_(1)_(C-STRM)	0.44	0.44	0.44	0.04	0.23
C-STRM-33_(1)_(C-STRM)	0.52	0.52	0.55	0.02	0.12
C-STRM-33_(C-STRM)	0.51	0.51	0.52	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.35	0.35	0.43	0.01	0.01
C-STRM-34_(1)_(C-STRM)	0.27	0.27	0.35	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.52	0.52	0.57	0.01	0.01
C-STRM-35_(C-STRM)	0.43	0.43	0.52	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.39	0.01	0.25	0.01
C-STRM-4_(C-STRM)	0.39	0.43	0.39	0.22	0.39
C-STRM-46_(1)_(1)_(C-STRM)	0.54	0.55	0.54	0.44	0.52
C-STRM-46_(1)_(C-STRM)	0.55	0.56	0.55	0.43	0.55
C-STRM-49_(C-STRM)	0.65	0.65	0.65	0.01	0.01
C-STRM-50_(C-STRM)	0.65	0.65	0.65	0.01	0.58
C-STRM-51_(C-STRM)	0.65	0.65	0.65	0.25	0.65
C-STRM-52_(C-STRM)	0.65	0.65	0.66	0.01	0.60
C-STRM-53_(C-STRM)	0.65	0.66	0.65	0.56	0.65
C-STRM-57_(C-STRM)	0.63	0.63	0.63	0.40	0.61
C-STRM-60_(C-STRM)	0.53	0.53	0.57	0.01	0.01
C-STRM-62_(C-STRM)	0.44	0.44	0.48	0.01	0.01
C-STRM-63_(C-STRM)	0.48	0.48	0.51	0.01	0.01
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.17	0.01
C-STRM-76_(C-STRM)	0.64	0.65	0.64	0.58	0.64
C-STRM-77_(C-STRM)	0.01	0.64	0.01	0.57	0.01
C-STRM-78_(C-STRM)	0.63	0.63	0.64	0.24	0.55
C-STRM-79_(1)_(C-STRM)	0.25	0.47	0.25	0.58	0.25
C-STRM-79_(C-STRM)	0.45	0.45	0.46	0.01	0.01
C-STRM-8_(1)_(C-STRM)	0.34	0.34	0.43	0.01	0.01
C-STRM-8_(C-STRM)	0.27	0.27	0.34	0.01	0.01
C-STRM-80_(C-STRM)	0.01	0.25	0.01	0.58	0.01
C-STRM-81_(C-STRM)	0.01	0.01	0.01	0.60	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.60	0.01
C-STRM-83_(1)_(C-STRM)	0.50	0.50	0.51	0.35	0.37
C-STRM-84_(C-STRM)	0.56	0.57	0.56	0.37	0.56
C-STRM-87_(C-STRM)	0.50	0.50	0.53	0.01	0.01
CVR-C3	0.01	0.78	0.01	1.05	0.01
ST4-Pipe_-_(99)_(P-Stm)	0.19	0.19	0.31	0.01	0.01

Analysis begun on: Thu Jun 25 09:02:46 2026
Analysis ended on: Thu Jun 25 09:04:19 2026
Total elapsed time: 00:01:33

Post-Development 1:100CC year 24-hour SCS Event

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ***************
  Raingage Summary
  ***************
                                                  Data       Recording
  Name                 Data Source                Type       Interval
  ----------------------------------------------------------------------
  24SCS100             24SCS100                   INTENSITY   15 min.
  6SCS050              6SCS050                    INTENSITY   15 min.
  Rainfall             SCS_24h_100CC              INTENSITY   15 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage            Outlet
  ------------------------------------------------------------------------------------------
  A15_1                       1.31     13.10     18.98    0.5000 Rainfall             EXD_8
  A15_2                       2.15     13.10     18.98    0.5000 Rainfall             EXD_12
  A18                         0.59    338.21     39.12    0.5000 Rainfall             EXD_25
  A19                         1.11    332.78     22.32    0.5000 Rainfall             EXD_20
  A20                         4.83    279.76      8.37    1.5000 Rainfall             EXD_15
  NULL3                       0.57    312.75     83.33    1.4500 Rainfall             EXD_27
  S1                          6.51   1465.85     64.29    2.0000 Rainfall             S_607-605
  S1_1                        0.09    154.58     71.43    2.0000 Rainfall             J19
  S1_2                        0.14    147.72     71.43    2.0000 Rainfall             J21
  S10_1                       1.84    414.84     64.29    2.0000 Rainfall             S_620-619
  S10_2                       2.13    479.37     64.29    2.0000 Rainfall             S_623-622
  S10_4                       0.74    165.67     64.29    2.0000 Rainfall             S_627-630
  S10_5                       1.26    284.06     64.29    2.0000 Rainfall             S_622-619
  S11                         3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                         0.44    346.44     71.43    2.0000 Rainfall             J2
  S14_1                       0.60    371.55     71.43    2.0000 Rainfall             J27
  S14_3                       1.06    381.29     71.43    2.0000 Rainfall             J57
  S14_4                       0.31    138.84     71.43    2.0000 Rainfall             J47
  S14_5                       1.69    653.02     71.43    2.0000 Rainfall             J28
  S14_6                       0.28    141.02     71.43    2.0000 Rainfall             J58
  S14_7                       1.19    549.94     71.43    2.0000 Rainfall             J60
  S14_8                       0.43    191.40     71.43    2.0000 Rainfall             J50
  S15                         1.64    368.26     64.29    2.0000 Rainfall             S_525-MTD
  S16_1                       0.46     16.60    100.00    0.5000 Rainfall             EXD_10
  S16_2                       0.99     16.60    100.00    0.5000 Rainfall             EXD_8
  S17                         6.26    202.00      3.33    0.5000 Rainfall             EXD_7
  S18_2                       3.35    754.05     67.14    2.0000 Rainfall             S_545-541
  S18_3                       1.66    372.76     67.14    2.0000 Rainfall             S_528-525
  S18_4                       0.88    197.06     67.14    2.0000 Rainfall             S_540-536
  S18_5                       1.83    412.02     67.14    2.0000 Rainfall             S_536-532
  S18_6                       0.84    188.96     67.14    2.0000 Rainfall             S_532-528
  S19                         0.97    462.04     71.43    2.0000 Rainfall             J35
  S2                          0.37    154.58     71.43    2.0000 Rainfall             J20
  S2_1                        3.14    707.17     67.14    2.0000 Rainfall             637_(C-
STRM)
  S2_2                        1.01    228.16     67.14    2.0000 Rainfall             633_(C-
STRM)
  S20_1                       0.45    284.74     71.43    2.0000 Rainfall             J42
  S20_2                       0.24    137.80     71.43    2.0000 Rainfall             J38
  S3                          2.12    476.98     64.29    2.0000 Rainfall             S_652-604
  S32_1                       0.43    369.16     71.43    2.0000 Rainfall             J43
  S32_2                       0.16     35.80     64.29    2.0000 Rainfall             S_504-503
  S36                         1.82     21.00    100.00    0.5000 Rainfall             EXD_10
  S4                         13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                          3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                          0.34    261.05     57.14    2.0000 Rainfall             OF2
  S7                          3.99    402.80     85.71    0.5000 Rainfall             POND_(C-
STRM)
  S8                          1.60    121.93     35.71    2.0000 Rainfall             PARK


  ************
  Node Summary
  ************
                                     Invert      Max.    Ponded    External
  Name                 Type           Elev.     Depth      Area    Inflow
  ----------------------------------------------------------------------
  EXD_1                JUNCTION      104.39      1.51       0.0
  EXD_10               JUNCTION       98.65      1.20       0.0
  EXD_11               JUNCTION       98.50      1.20       0.0
  EXD_12               JUNCTION       98.31      1.20       0.0
  EXD_13               JUNCTION      104.32      1.10       0.0
  EXD_14               JUNCTION      102.49      0.80       0.0
  EXD_15               JUNCTION      100.27      0.80       0.0
  EXD_16               JUNCTION      100.20      0.80       0.0
  EXD_17               JUNCTION       99.89      0.80       0.0
  EXD_18               JUNCTION       99.40      0.84       0.0
  EXD_19               JUNCTION       99.19      0.88       0.0
  EXD_2                JUNCTION      103.47      1.93       0.0
  EXD_20               JUNCTION       99.19      0.88       0.0
  EXD_21               JUNCTION       99.18      0.88       0.0
  EXD_22               JUNCTION       99.14      0.88       0.0
  EXD_23               JUNCTION       98.75      1.14       0.0
  EXD_24               JUNCTION       98.67      1.14       0.0
  EXD_25               JUNCTION       98.52      1.13       0.0
  EXD_26               JUNCTION       98.48      1.13       0.0
  EXD_27               JUNCTION       98.17      1.20       0.0
  EXD_3                JUNCTION      103.19      1.41       0.0
  EXD_4                JUNCTION      102.64      1.20       0.0
  EXD_5                JUNCTION      102.50      1.20       0.0
  EXD_6                JUNCTION      102.32      1.08       0.0
  EXD_7                JUNCTION      101.50      1.06       0.0
  EXD_8                JUNCTION      100.48      1.06       0.0
  EXD_9                JUNCTION      100.39      1.06       0.0
  J1                   JUNCTION      103.45      0.50       0.0
  J13                  JUNCTION      103.30      0.50       0.0
  J17                  JUNCTION      104.37      1.04       0.0
  J19                  JUNCTION      105.60      0.50       0.0
  J2                   JUNCTION      109.00      0.50       0.0
  J20                  JUNCTION      105.80      0.50       0.0
  J21                  JUNCTION      105.90      0.50       0.0
  J22                  JUNCTION      106.00      0.50       0.0
  J23                  JUNCTION      106.20      0.50       0.0
  J27                  JUNCTION      109.00      0.50       0.0
  J28                  JUNCTION      108.80      0.50       0.0
  J3                   JUNCTION      103.70      0.50       0.0
  J31                  JUNCTION      106.00      0.50       0.0
  J35                  JUNCTION      104.70      0.50       0.0
  J36                  JUNCTION      104.93      0.50       0.0
  J37                  JUNCTION      104.65      0.50       0.0
  J38                  JUNCTION      104.60      0.50       0.0
  J39                  JUNCTION      104.45      0.50       0.0
  J4                   JUNCTION      103.60      0.50       0.0
  J40                  JUNCTION      103.20      0.50       0.0
  J42                  JUNCTION      104.20      0.50       0.0
  J43                  JUNCTION      104.50      0.50       0.0
  J45                  JUNCTION      104.60      0.50       0.0
  J46                  JUNCTION      105.10      0.50       0.0
  J47                  JUNCTION      105.75      0.50       0.0
  J49                  JUNCTION      105.30      0.50       0.0
  J5                   JUNCTION      103.50      0.50       0.0
  J50                  JUNCTION      106.75      0.50       0.0
  J51                  JUNCTION      109.75      0.50       0.0
  J52                  JUNCTION      109.00      0.50       0.0
  J55                  JUNCTION      109.10      0.50       0.0
  J56                  JUNCTION      108.47      0.50       0.0
  J57                  JUNCTION      108.40      0.50       0.0
  J58                  JUNCTION      108.00      0.50       0.0
  J6                   JUNCTION      103.40      0.50       0.0
  J60                  JUNCTION      107.00      0.50       0.0
  J61                  JUNCTION      106.50      0.50       0.0
  J62                  JUNCTION      105.70      0.50       0.0
  J63                  JUNCTION      105.20      0.50       0.0
  J66                  JUNCTION      107.75      0.50       0.0
  J67                  JUNCTION      107.50      0.50       0.0
  J74                  JUNCTION       98.45      0.90       0.0
  OF1                  OUTFALL       100.80      0.00       0.0
  OF2                  OUTFALL         0.00      0.00       0.0
  OF3                  OUTFALL        98.00      1.06       0.0
  ST4_108A_(P-Stm)     OUTFALL        98.02      1.19       0.0
  500_(C-STRM)         STORAGE       100.37      2.79       0.0
  502_(C-STRM)         STORAGE       100.57      3.70       0.0
  503_(C-STRM)         STORAGE       100.61      3.91       0.0
  504_(C-STRM)         STORAGE       103.06      2.80       0.0
  505_(C-STRM)         STORAGE       103.48      3.27       0.0
  506_(C-STRM)         STORAGE       103.83      3.15       0.0
  507_(C-STRM)         STORAGE       104.17      3.19       0.0
  508_(C-STRM)         STORAGE       104.39      3.18       0.0
  509_(C-STRM)         STORAGE       104.62      3.12       0.0
  510_(C-STRM)         STORAGE       104.87      3.06       0.0
  511_(C-STRM)         STORAGE       104.94      3.06       0.0
  512_(C-STRM)         STORAGE       105.14      3.10       0.0
  513_(C-STRM)         STORAGE       105.27      3.12       0.0
  514_(C-STRM)         STORAGE       105.61      3.13       0.0
  515_(C-STRM)         STORAGE       105.88      3.22       0.0
  516_(C-STRM)         STORAGE       105.48      3.03       0.0
  517_(C-STRM)         STORAGE       105.64      3.00       0.0
  518_(C-STRM)         STORAGE       105.88      2.90       0.0
  519_(C-STRM)         STORAGE       106.10      2.79       0.0
  520_(C-STRM)         STORAGE       106.37      2.63       0.0
  522_(C-STRM)         STORAGE       104.31      3.00       0.0
  525_(C-STRM)         STORAGE       100.58      2.72       0.0
  528_(C-STRM)         STORAGE       100.70      2.71       0.0
  532_(C-STRM)         STORAGE       100.80      2.70       0.0
  536_(C-STRM)         STORAGE       100.95      2.65       0.0
  540_(C-STRM)         STORAGE       100.83      2.87       0.0
  541_(C-STRM)         STORAGE       100.91      2.92       0.0
  551_(C-STRM)         STORAGE       100.67      3.79       0.0
  552_(C-STRM)         STORAGE       100.77      3.86       0.0
  553_(C-STRM)         STORAGE       100.96      3.76       0.0
  554_(C-STRM)         STORAGE       101.08      3.89       0.0
  555_(C-STRM)         STORAGE       101.27      4.08       0.0
  556_(C-STRM)         STORAGE       101.39      4.21       0.0
  601_(C-STRM)         STORAGE       100.43      4.45       0.0
  602_(C-STRM)         STORAGE       100.48      4.16       0.0
  603_(C-STRM)         STORAGE       100.55      3.99       0.0
  604_(C-STRM)         STORAGE       100.63      5.14       0.0
  605_(C-STRM)         STORAGE       101.38      5.35       0.0
  619_(C-STRM)         STORAGE       101.12      5.40       0.0
  622_(C-STRM)         STORAGE       101.24      4.78       0.0
  626_(C-STRM)         STORAGE       104.00      3.20       0.0
  627_(C-STRM)         STORAGE       103.20      3.50       0.0
  629_(C-STRM)         STORAGE       101.71      4.40       0.0
  630_(C-STRM)         STORAGE       101.83      4.37       0.0
  630A_(C-STRM)        STORAGE       101.88      4.12       0.0
  633_(C-STRM)         STORAGE       105.30      0.50       0.0
  634_(C-STRM)         STORAGE       101.88      3.82       0.0
  637_(C-STRM)         STORAGE       105.35      0.50       0.0
  643_(C-STRM)         STORAGE       102.07      3.45       0.0
  644_(C-STRM)         STORAGE       102.54      3.17       0.0
  645_(C-STRM)         STORAGE       102.30      3.61       0.0
  646_(C-STRM)         STORAGE       102.43      3.34       0.0
  647_(C-STRM)         STORAGE       102.57      3.03       0.0
  650_(C-STRM)         STORAGE       100.99      5.17       0.0
  651_(C-STRM)         STORAGE       100.89      4.99       0.0
  652_(C-STRM)         STORAGE       100.87      4.97       0.0
  Filter_Bed           STORAGE       100.10      1.48       0.0
  Industrial_NORTH     STORAGE       105.20      0.50       0.0
  Industrial_South     STORAGE       105.00      0.50       0.0
  MTD_(C-STRM)         STORAGE       100.36      3.02       0.0
  OVERFLOW_(C-STRM)    STORAGE       100.17      2.83       0.0
  PARK                 STORAGE       105.36      0.50       0.0
  POND_(C-STRM)        STORAGE        98.45      2.65       0.0    Yes
  S_504-503            STORAGE       105.75      0.50       0.0
  S_525-MTD            STORAGE       103.45      0.50       0.0
  S_528-525            STORAGE       103.50      0.50       0.0
  S_532-528            STORAGE       103.65      0.50       0.0
  S_536-532            STORAGE       103.70      0.50       0.0
  S_540-536            STORAGE       103.85      0.50       0.0
  S_545-541            STORAGE       103.90      0.50       0.0
  S_607-605            STORAGE       107.90      0.50       0.0
  S_620-619            STORAGE       106.90      0.50       0.0
  S_622-619            STORAGE       106.00      0.50       0.0
  S_623-622            STORAGE       106.50      0.50       0.0
  S_627-630            STORAGE       106.70      0.50       0.0
  S_652-604            STORAGE       105.85      0.50       0.0
  Woodlot_North        STORAGE       106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                 From Node     To Node       Type          Length    %Slope
Roughness
  ----------------------------------------------------------------------------------
-
  BDR-C1               EXD_15        EXD_16        CONDUIT         17.7    0.3844
0.0250
  BDR-C2               EXD_20        EXD_21        CONDUIT          7.9    0.0632
0.0130
  BDR-C3               EXD_25        EXD_26        CONDUIT         14.2    0.2683
0.0130
  BDR-C4               EXD_12        EXD_27        CONDUIT         23.0    0.6077
0.0130
  C1                   J27           J28           CONDUIT        185.8    0.1077
0.0130
  C1_1                 J28           J57           CONDUIT        329.5    0.1214
0.0130
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C1_11	J47	J43	CONDUIT	75.0	1.6661
0.0130					
C1_2	J55	J57	CONDUIT	190.6	0.3672
0.0130					
C1_3	J56	J57	CONDUIT	40.0	0.1748
0.0130					
C1_4	J58	J66	CONDUIT	70.2	0.3562
0.0130					
C1_5	J57	J58	CONDUIT	76.8	0.5205
0.0130					
C1_6	J66	J67	CONDUIT	70.0	0.3571
0.0130					
C1_7	J67	J60	CONDUIT	69.8	0.7166
0.0130					
C1_8	J60	J50	CONDUIT	73.0	0.3424
0.0130					
C1_9	J50	J47	CONDUIT	92.6	1.0800
0.0130					
C2	J2	EXD_1	CONDUIT	173.2	1.9632
0.0130					
C2_1	J51	J52	CONDUIT	39.5	1.8977
0.0130					
C2_10	J63	J36	CONDUIT	39.5	0.6883
0.0130					
C2_11	J36	J35	CONDUIT	72.0	0.3166
0.0130					
C2_12	J35	J37	CONDUIT	45.5	0.1098
0.0130					
C2_13	J37	J38	CONDUIT	28.9	0.1729
0.0130					
C2_14	J38	J39	CONDUIT	44.0	0.3457
0.0130					
C2_15	J39	J42	CONDUIT	72.0	0.3442
0.0130					
C2_16	J43	J42	CONDUIT	31.1	0.9633
0.0130					
C2_18	J45	J43	CONDUIT	70.2	0.1425
0.0130					
C2_2	J60	J61	CONDUIT	75.0	0.6666
0.0130					
C2_3	J52	J60	CONDUIT	165.4	1.2090
0.0130					
C2_4	J61	J31	CONDUIT	72.0	0.6944
0.0130					
C2_5	J23	J31	CONDUIT	163.3	0.1225
0.0130					
C2_7	J23	J22	CONDUIT	27.9	0.7165
0.0130					
C2_8	J19	J63	CONDUIT	110.8	0.3610
0.0130					
C2_9	J46	J45	CONDUIT	93.4	0.5355
0.0130					
C3	J3	J4	CONDUIT	72.6	0.1378
0.0130					
C3_2	J22	J21	CONDUIT	73.0	0.1370
0.0130					
C3_6	J21	J20	CONDUIT	75.8	0.1319
0.0130					
C3_7	J20	J19	CONDUIT	112.3	0.1781
0.0130					
C4	J4	J5	CONDUIT	49.7	0.2012
0.0130					
C4_5	J1	J13	CONDUIT	118.4	0.1267
0.0130					
C4_6	J42	J40	CONDUIT	45.9	2.1776
0.0130					
C4_7	J13	J40	CONDUIT	64.4	0.1553
0.0130					
C5	J5	J6	CONDUIT	68.4	0.1461
0.0130					
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054
0.0250					
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866
0.0250					
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893
0.0250					
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098
0.0250					
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876
0.0250					
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550
0.0250					
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893
0.0250					
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781
0.0250					
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645
0.0250					
C5_18	J31	J62	CONDUIT	71.0	0.4225
0.0130					
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558
0.0250					
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933
0.0250					
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645
0.0250					
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626
0.0250					
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299
0.0250					
C5_24	J62	J49	CONDUIT	91.3	0.4382
0.0130					
C5_25	J49	J38	CONDUIT	76.5	0.9152
0.0130					
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195
0.0250					
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880
0.0250					
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893
0.0250					
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871
0.0250					
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091
0.0250					
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095
0.0250					
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087
0.0250					
C6	J6	J13	CONDUIT	71.5	0.1398
0.0130					
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144
0.0130					
C-STRM-1_(1)_(1)_(C-STRM) 516_(C-STRM)		513_(C-STRM)	CONDUIT	106.6	0.1998
0.0130					
C-STRM-1_(1)_(C-STRM) 517_(C-STRM)		516_(C-STRM)	CONDUIT	106.0	0.1500
0.0130					
C-STRM-1_(C-STRM) 518_(C-STRM)		517_(C-STRM)	CONDUIT	106.6	0.1500
0.0130					
C-STRM-100_(C-STRM) OVERFLOW_(C-STRM) 500_(C-STRM)			CONDUIT	26.4	0.4998
0.0130					
C-STRM-101_(C-STRM) 500_(C-STRM)		POND_(C-STRM)	CONDUIT	12.9	0.5021
0.0130					
C-STRM-102_(C-STRM) OVERFLOW_(C-STRM) Filter_Bed			CONDUIT	14.0	0.5008
0.0130					
C-STRM-105_(C-STRM) 645_(C-STRM)		630A_(C-STRM)	CONDUIT	73.9	0.1502
0.0130					
C-STRM-106_(C-STRM) 643_(C-STRM)		634_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-107_(1)_(C-STRM) 652_(C-STRM)		604_(C-STRM)	CONDUIT	61.9	0.1502
0.0130					
C-STRM-107_(C-STRM) 651_(C-STRM)		652_(C-STRM)	CONDUIT	10.7	0.1495
0.0130					
C-STRM-2_(1)_(C-STRM) 512_(C-STRM)		511_(C-STRM)	CONDUIT	44.5	0.4498
0.0130					
C-STRM-2_(C-STRM) 513_(C-STRM)		512_(C-STRM)	CONDUIT	29.3	0.4502
0.0130					
C-STRM-20_(C-STRM) 626_(C-STRM)		627_(C-STRM)	CONDUIT	72.4	1.0002
0.0130					
C-STRM-21_(C-STRM) 627_(C-STRM)		630_(C-STRM)	CONDUIT	74.3	0.4995
0.0130					
C-STRM-22_(1)_(C-STRM) 629_(C-STRM)		622_(C-STRM)	CONDUIT	81.4	0.1499
0.0130					
C-STRM-22_(C-STRM) 630_(C-STRM)		629_(C-STRM)	CONDUIT	82.1	0.1498
0.0130					
C-STRM-23_(C-STRM) 634_(C-STRM)		622_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-26_(1)_(C-STRM) 551_(C-STRM)		502_(C-STRM)	CONDUIT	60.8	0.1613
0.0130					
C-STRM-26_(C-STRM) 552_(C-STRM)		551_(C-STRM)	CONDUIT	60.3	0.1593
0.0130					
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) 506_(C-STRM)			505_(C-STRM)	CONDUIT	
70.0	0.4998	0.0130			
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) 507_(C-STRM)			506_(C-STRM)	CONDUIT	51.7
0.5005	0.0130				
C-STRM-3_(1)_(1)_(1)_(C-STRM) 508_(C-STRM)			507_(C-STRM)	CONDUIT	45.5
0.5011	0.0130				
C-STRM-3_(1)_(1)_(C-STRM) 509_(C-STRM)			508_(C-STRM)	CONDUIT	45.5
0.4989					
0.0130					
C-STRM-3_(1)_(2)_(C-STRM) 510_(C-STRM)			509_(C-STRM)	CONDUIT	55.7
0.4507					
0.0130					
C-STRM-3_(1)_(C-STRM) 511_(C-STRM)			510_(C-STRM)	CONDUIT	14.5
0.4469					
0.0130					
C-STRM-33_(1)_(C-STRM) 646_(C-STRM)			645_(C-STRM)	CONDUIT	91.0
0.1505					
0.0130					
C-STRM-33_(C-STRM) 647_(C-STRM)			646_(C-STRM)	CONDUIT	92.9
0.1496					
0.0130					
C-STRM-34_(1)_(1)_(C-STRM) 555_(C-STRM)			554_(C-STRM)	CONDUIT	75.2
0.1596	0.0130				
C-STRM-34_(1)_(C-STRM) 556_(C-STRM)			555_(C-STRM)	CONDUIT	75.2
0.1596					
0.0130					
C-STRM-35_(1)_(C-STRM) 553_(C-STRM)			552_(C-STRM)	CONDUIT	72.1
0.1596					
0.0130					
C-STRM-35_(C-STRM) 554_(C-STRM)			553_(C-STRM)	CONDUIT	72.0
0.1611					
0.0130					
C-STRM-4_(1)_(C-STRM) 504_(C-STRM)			503_(C-STRM)	CONDUIT	83.2
0.6007					
0.0130					
C-STRM-4_(C-STRM) 505_(C-STRM)			504_(C-STRM)	CONDUIT	84.0
0.4998					
0.0130					
C-STRM-46_(1)_(1)_(C-STRM) 650_(C-STRM)			651_(C-STRM)	CONDUIT	68.0
0.1500	0.0130				
C-STRM-46_(1)_(C-STRM) 619_(C-STRM)			650_(C-STRM)	CONDUIT	89.7
0.1506					
0.0130					
C-STRM-49_(C-STRM) 541_(C-STRM)			540_(C-STRM)	CONDUIT	47.7
0.1508					
0.0130					
C-STRM-50_(C-STRM) 540_(C-STRM)			536_(C-STRM)	CONDUIT	72.0
0.1500					
0.0130					
C-STRM-51_(C-STRM) 536_(C-STRM)			532_(C-STRM)	CONDUIT	48.5
0.1505					
0.0130					
C-STRM-52_(C-STRM) 532_(C-STRM)			528_(C-STRM)	CONDUIT	69.0
0.1507					
0.0130					
C-STRM-53_(C-STRM) 528_(C-STRM)			525_(C-STRM)	CONDUIT	75.0
0.1493					
0.0130					
C-STRM-57_(C-STRM) 503_(C-STRM)			502_(C-STRM)	CONDUIT	27.5
0.1489					
0.0130					
C-STRM-60_(C-STRM) 644_(C-STRM)			643_(C-STRM)	CONDUIT	67.2
0.2486					
0.0130					
C-STRM-62_(C-STRM) 520_(C-STRM)			519_(C-STRM)	CONDUIT	95.9
0.2003					
0.0130					
C-STRM-63_(C-STRM) 519_(C-STRM)			518_(C-STRM)	CONDUIT	97.4
0.1498					
0.0130					
C-STRM-64_(C-STRM) 522_(C-STRM)			EXD_1	CONDUIT	81.9
0.2504					
0.0130					
C-STRM-76_(C-STRM) 525_(C-STRM)			MTD_(C-STRM)	CONDUIT	72.6
0.1998					
0.0130					
C-STRM-77_(C-STRM) MTD_(C-STRM)			OVERFLOW_(C-STRM)	CONDUIT	38.5
0.4986					
0.0130					
C-STRM-78_(C-STRM) 502_(C-STRM)			MTD_(C-STRM)	CONDUIT	44.0
0.3003					
0.0130					
C-STRM-79_(1)_(C-STRM) 604_(C-STRM)			603_(C-STRM)	CONDUIT	72.0
0.1000					
0.0130					
C-STRM-79_(C-STRM) 605_(C-STRM)			604_(C-STRM)	CONDUIT	89.5
0.1508					
0.0130					
C-STRM-8_(1)_(C-STRM) 514_(C-STRM)			513_(C-STRM)	CONDUIT	95.2
0.1997					
0.0130					
C-STRM-8_(C-STRM) 515_(C-STRM)			514_(C-STRM)	CONDUIT	95.1
0.1997					
0.0130					
C-STRM-80_(C-STRM) 603_(C-STRM)			602_(C-STRM)	CONDUIT	74.3
0.0996					
0.0130					
C-STRM-81_(C-STRM) 602_(C-STRM)			601_(C-STRM)	CONDUIT	46.7
0.1007					
0.0130					
C-STRM-82_(C-STRM) 601_(C-STRM)			POND_(C-STRM)	CONDUIT	33.0
0.1000					
0.0130					
C-STRM-83_(1)_(C-STRM) 630A_(C-STRM)			630_(C-STRM)	CONDUIT	27.1
0.1513					
0.0130					
C-STRM-84_(C-STRM) 622_(C-STRM)			619_(C-STRM)	CONDUIT	75.0
0.1493					
0.0130					
C-STRM-87_(C-STRM) 645_(C-STRM)			644_(C-STRM)	CONDUIT	68.6
0.2494					
0.0130					
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875
0.0130					
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114
0.0130					
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110
0.0130					
ST4-Pipe_-_(99)_(P-Stm) J74			ST4_108A_(P-Stm)	CONDUIT	49.3
0.2840					
0.0130					
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063
0.0250					

OR1	POND_(C-STRM)	J74	ORIFICE
OR2	POND_(C-STRM)	J74	ORIFICE
W10	637_(C-STRM)	J35	WEIR
W11	633_(C-STRM)	J49	WEIR
W12	S_652-604	J47	WEIR
W13	S_545-541	J3	WEIR
W14	S_540-536	J3	WEIR
W15	S_536-532	J4	WEIR
W16	S_532-528	J5	WEIR
W17	S_528-525	J6	WEIR
W2	POND_(C-STRM)	OF1	WEIR
W3	S_507-503	J47	WEIR
W4	S_627-630	J23	WEIR
W5	S_525-MTD	J13	WEIR
W6	S_623-622	J31	WEIR
W7	S_620-619	J61	WEIR
W8	S_607-605	J50	WEIR
W9	S_622-619	J31	WEIR
C-STRM-108_(1)_(C-STRM) 633_(C-STRM)		634_(C-STRM)	OUTLET
C-STRM-14_(1)_(C-STRM) S_607-605		605_(C-STRM)	OUTLET
C-STRM-27_(C-STRM) S_623-622		622_(C-STRM)	OUTLET
C-STRM-42_(C-STRM) S_545-541		541_(C-STRM)	OUTLET
C-STRM-44_(1)_(C-STRM) S_525-MTD		525_(C-STRM)	OUTLET
C-STRM-45_(1)_(C-STRM) S_620-619		619_(C-STRM)	OUTLET
C-STRM-61_(C-STRM) 637_(C-STRM)		643_(C-STRM)	OUTLET
C-STRM-71_(C-STRM) Industrial_South 647_(C-STRM)			OUTLET
C-STRM-83_(C-STRM) Industrial_NORTH 630A_(C-STRM)			OUTLET
C-STRM-93_(C-STRM) S_540-536		540_(C-STRM)	OUTLET
C-STRM-96_(1)_(C-STRM) S_536-532		536_(C-STRM)	OUTLET
C-STRM-97_(1)_(C-STRM) S_532-528		532_(C-STRM)	OUTLET
C-STRM-98_(1)_(C-STRM) S_528-525		528_(C-STRM)	OUTLET
OL1	S_622-619	622_(C-STRM)	OUTLET
OL10	Filter_Bed	POND_(C-STRM)	OUTLET
OL11	J50	505_(C-STRM)	OUTLET
OL12	J60	506_(C-STRM)	OUTLET
OL13	J58	511_(C-STRM)	OUTLET
OL14	J57	513_(C-STRM)	OUTLET
OL15	J28	518_(C-STRM)	OUTLET
OL16	J2	522_(C-STRM)	OUTLET
OL17	J27	520_(C-STRM)	OUTLET
OL18	J19	647_(C-STRM)	OUTLET
OL19	J20	646_(C-STRM)	OUTLET
OL2	J35	553_(C-STRM)	OUTLET
OL20	S_504-503	504_(C-STRM)	OUTLET
OL21	PARK	602_(C-STRM)	OUTLET
OL22	J21	645_(C-STRM)	OUTLET
OL3	J38	552_(C-STRM)	OUTLET
OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET

OL6	Woodlot_North	626_(C-STRM)	OUTLET	
OL7	S_627-630	627_(C-STRM)	OUTLET	
OL8	S_652-604	652_(C-STRM)	OUTLET	
OL9	J47	504_(C-STRM)	OUTLET	

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-200_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2377	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4815	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1130	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912

0.3975 0.4038 0.4101 0.4147 0.4188
0.4228 0.4269 0.4309 0.4350 0.4390
0.4430 0.4471 0.4511 0.4552 0.4592
0.4633 0.4673 0.4719 0.4786 0.4852
0.4919 0.4986 0.5052 0.5119 0.5186
0.5252 0.5375 0.5591 0.5808 0.6126
0.6529 0.7560 0.7953 0.8372 1.0000

Transect Barnsdale_UPST5
Area:
0.0011 0.0046 0.0104 0.0185 0.0278
0.0383 0.0495 0.0612 0.0736 0.0865
0.1000 0.1141 0.1288 0.1443 0.1606
0.1778 0.1959 0.2143 0.2330 0.2518
0.2709 0.2903 0.3099 0.3296 0.3497
0.3699 0.3904 0.4111 0.4319 0.4530
0.4743 0.4958 0.5175 0.5395 0.5616
0.5839 0.6064 0.6292 0.6521 0.6753
0.6991 0.7235 0.7484 0.7740 0.8019
0.8364 0.8742 0.9142 0.9560 1.0000
Hrad:
0.0248 0.0493 0.0735 0.1040 0.1389
0.1735 0.2124 0.2498 0.2859 0.3209
0.3550 0.3881 0.4187 0.4434 0.4680
0.4924 0.5212 0.5606 0.5992 0.6372
0.6745 0.7111 0.7472 0.7827 0.8176
0.8520 0.8860 0.9202 0.9539 0.9872
1.0201 1.0525 1.0845 1.1162 1.1474
1.1784 1.2090 1.2392 1.2691 1.2876
1.2994 1.3117 1.3244 1.3163 1.1702
1.0461 1.0307 1.0260 1.0309 1.0000
Width:
0.0497 0.0999 0.1518 0.1903 0.2141
0.2355 0.2481 0.2607 0.2733 0.2859
0.2985 0.3111 0.3252 0.3438 0.3625
0.3813 0.3961 0.4010 0.4059 0.4108
0.4157 0.4206 0.4255 0.4303 0.4352
0.4401 0.4450 0.4494 0.4538 0.4583
0.4627 0.4716 0.4761 0.4805 0.4850
0.4850 0.4894 0.4938 0.4983 0.5078
0.5204 0.5330 0.5457 0.5684 0.6711
0.7919 0.8423 0.8866 0.9238 1.0000

Transect Barnsdale_UPST6
Area:
0.0014 0.0054 0.0102 0.0156 0.0217
0.0284 0.0356 0.0434 0.0517 0.0605
0.0698 0.0796 0.0899 0.1007 0.1121
0.1243 0.1373 0.1512 0.1656 0.1807
0.1962 0.2123 0.2291 0.2483 0.2703
0.2945 0.3189 0.3434 0.3680 0.3929
0.4178 0.4430 0.4687 0.4947 0.5212
0.5482 0.5760 0.6046 0.6335 0.6626
0.6921 0.7218 0.7518 0.7820 0.8133
0.8461 0.8801 0.9163 0.9564 1.0000
Hrad:
0.0226 0.0600 0.0982 0.1332 0.1659
0.1974 0.2291 0.2613 0.2925 0.3228
0.3524 0.3813 0.4096 0.4373 0.4557
0.4729 0.4908 0.5133 0.5388 0.5667
0.5954 0.6238 0.6186 0.5790 0.5404
0.5828 0.6246 0.6659 0.7067 0.7469
0.7867 0.8189 0.8502 0.8811 0.9116
0.9331 0.9497 0.9763 1.0109 1.0452
1.0791 1.1126 1.1458 1.1787 1.1574
1.1642 1.1570 1.1256 1.0602 1.0000
Width:
0.0656 0.0958 0.1094 0.1231 0.1368
0.1501 0.1622 0.1729 0.1837 0.1944
0.2052 0.2159 0.2267 0.2377 0.2539
0.2715 0.2891 0.3043 0.3175 0.3291
0.3399 0.3507 0.3819 0.4435 0.5186
0.5219 0.5251 0.5284 0.5317 0.5350
0.5382 0.5468 0.5558 0.5647 0.5737
0.5886 0.6068 0.6185 0.6243 0.6301
0.6359 0.6475 0.6534 0.6932 1.0000
0.7170 0.7512 0.8061 0.8978 1.0000

Transect Barnsdale_UPST7
Area:
0.0031 0.0077 0.0135 0.0206 0.0292
0.0385 0.0485 0.0590 0.0699 0.0811
0.0928 0.1047 0.1170 0.1297 0.1427
0.1561 0.1700 0.1843 0.1992 0.2145
0.2304 0.2467 0.2636 0.2810 0.3005
0.3224 0.3464 0.3708 0.3955 0.4204
0.4456 0.4710 0.4972 0.5239 0.5510
0.5784 0.6060 0.6340 0.6622 0.6907
0.7195 0.7487 0.7782 0.8081 0.8383
0.8691 0.9003 0.9322 0.9647 1.0000
Hrad:
0.0323 0.0624 0.0905 0.1084 0.1375
0.1686 0.1997 0.2314 0.2650 0.2977
0.3296 0.3608 0.3913 0.4212 0.4493
0.4751 0.5005 0.5247 0.5476 0.5703
0.5929 0.6154 0.6378 0.6601 0.5891
0.5938 0.5928 0.6266 0.6599 0.6927
0.7252 0.7701 0.7705 0.7948 0.8255
0.8559 0.8860 0.9157 0.9452 0.9727
1.0000 1.0270 1.0538 1.0784 1.1003
1.1221 1.1420 1.1557 1.1624 1.0000
Width:
0.0999 0.1304 0.1570 0.1994 0.2229
0.2396 0.2541 0.2664 0.2751 0.2837
0.2923 0.3010 0.3096 0.3183 0.3279
0.3390 0.3501 0.3618 0.3745 0.3872
0.3998 0.4124 0.4251 0.4377 0.5266
0.5610 0.6032 0.6092 0.6153 0.6213
0.6274 0.6399 0.6563 0.6692 0.6761
0.6830 0.6899 0.6967 0.7036 0.7118
0.7199 0.7281 0.7362 0.7458 0.7573
0.7688 0.7817 0.7991 0.8220 1.0000

Transect GBR
Area:
0.0002 0.0008 0.0018 0.0032 0.0051
0.0073 0.0099 0.0130 0.0164 0.0203
0.0245 0.0292 0.0343 0.0401 0.0532
0.0756 0.1002 0.1249 0.1496 0.1742
0.1989 0.2235 0.2482 0.2729 0.2975
0.3222 0.3468 0.3715 0.3962 0.4209
0.4460 0.4715 0.4974 0.5237 0.5505
0.5776 0.6051 0.6331 0.6614 0.6902
0.7193 0.7489 0.7789 0.8092 0.8400
0.8712 0.9028 0.9348 0.9672 1.0000
Hrad:
0.0148 0.0296 0.0444 0.0592 0.0741
0.0889 0.1037 0.1185 0.1333 0.1481
0.1629 0.1777 0.1925 0.1451 0.0889
0.0921 0.1222 0.1522 0.1821 0.2121
0.2420 0.2720 0.3019 0.3318 0.3616
0.3915 0.4213 0.4511 0.4809 0.5106
0.5398 0.5684 0.5963 0.6237 0.6505
0.6768 0.7026 0.7280 0.7529 0.7773
0.8013 0.8249 0.8480 0.8708 0.8932
0.9153 0.9369 0.9583 0.9793 1.0000
Width:
0.0123 0.0246 0.0369 0.0492 0.0614
0.0737 0.0860 0.0983 0.1106 0.1229
0.1352 0.1475 0.1598 0.2496 0.5446
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7542
0.7665 0.7788 0.7911 0.8034 0.8157
0.8280 0.8402 0.8525 0.8648 0.8771
0.8894 0.9017 0.9140 0.9263 0.9386
0.9508 0.9631 0.9754 0.9877 1.0000

Transect Pond_SpillWay
Area:
0.0040 0.0088 0.0142 0.0204 0.0274
0.0350 0.0434 0.0524 0.0622 0.0728
0.0840 0.0960 0.1087 0.1221 0.1362
0.1511 0.1666 0.1829 0.2000 0.2177
0.2362 0.2554 0.2753 0.2959 0.3173
0.3393 0.3621 0.3856 0.4099 0.4348
0.4600 0.4855 0.5113 0.5375 0.5640
0.5908 0.6180 0.6454 0.6732 0.7013
0.7297 0.7585 0.7875 0.8169 0.8466
0.8767 0.9070 0.9377 0.9687 1.0000
Hrad:
0.0187 0.0367 0.0543 0.0716 0.0888
0.1059 0.1230 0.1400 0.1570 0.1740
0.1910 0.2080 0.2251 0.2421 0.2592
0.2763 0.2935 0.3106 0.3278 0.3450
0.3622 0.3795 0.3967 0.4140 0.4313
0.4486 0.4660 0.4833 0.5007 0.5241
0.5500 0.5758 0.6013 0.6266 0.6517
0.6766 0.7013 0.7257 0.7498 0.7737
0.7974 0.8209 0.8441 0.8670 0.8898
0.9123 0.9345 0.9566 0.9784 1.0000
Width:
0.1394 0.1623 0.1853 0.2082 0.2311
0.2541 0.2770 0.2999 0.3229 0.3458
0.3687 0.3917 0.4146 0.4375 0.4605
0.4834 0.5063 0.5293 0.5522 0.5751
0.5981 0.6210 0.6439 0.6669 0.6898
0.7127 0.7357 0.7586 0.7815 0.7956
0.8059 0.8161 0.8263 0.8365 0.8467
0.8569 0.8672 0.8774 0.8876 0.8978
0.9080 0.9183 0.9285 0.9387 0.9489
0.9591 0.9693 0.9796 0.9898 1.0000

Transect ROW_14m
Area:
0.0004 0.0017 0.0038 0.0067 0.0104
0.0150 0.0204 0.0267 0.0338 0.0417
0.0504 0.0600 0.0704 0.0817 0.0938
0.1067 0.1204 0.1350 0.1504 0.1667
0.1838 0.2017 0.2204 0.2400 0.2605
0.2817 0.3038 0.3267 0.3502 0.3738
0.3973 0.4209 0.4446 0.4692 0.4952
0.5225 0.5510 0.5808 0.6118 0.6439
0.6767 0.7100 0.7440 0.7787 0.8140
0.8499 0.8865 0.9237 0.9615 1.0000
Hrad:
0.0169 0.0338 0.0507 0.0677 0.0846
0.1015 0.1184 0.1353 0.1522 0.1692
0.1861 0.2030 0.2199 0.2368 0.2537
0.2707 0.2876 0.3045 0.3214 0.3383
0.3552 0.3722 0.3891 0.4060 0.4229
0.4398 0.4567 0.4736 0.5027 0.5359
0.5691 0.6022 0.6353 0.6667 0.6957
0.7226 0.7474 0.7704 0.7918 0.8123
0.8326 0.8526 0.8721 0.8914 0.9103
0.9289 0.9471 0.9651 0.9827 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6200 0.6529 0.6857
0.7186 0.7514 0.7843 0.8171 0.8357
0.8521 0.8686 0.8850 0.9014 0.9179
0.9343 0.9507 0.9671 0.9836 1.0000

Transect ROW_14m_Mountable
Area:
0.0003 0.0012 0.0028 0.0049 0.0077
0.0111 0.0151 0.0197 0.0249 0.0307
0.0372 0.0442 0.0519 0.0602 0.0691
0.0787 0.0888 0.0996 0.1109 0.1229
0.1355 0.1485 0.1625 0.1770 0.1923
0.2092 0.2277 0.2477 0.2693 0.2924
0.3170 0.3433 0.3711 0.4004 0.4310
0.4626 0.4954 0.5293 0.5642 0.6002
0.6373 0.6755 0.7144 0.7538 0.7936
0.8340 0.8748 0.9160 0.9578 1.0000
Hrad:
0.0222 0.0445 0.0667 0.0889 0.1111
0.1334 0.1556 0.1778 0.2001 0.2223
0.2445 0.2667 0.2890 0.3112 0.3334
0.3556 0.3779 0.4001 0.4223 0.4446
0.4668 0.4890 0.5112 0.5335 0.5550
0.5733 0.5891 0.6029 0.6151 0.6263
0.6367 0.6465 0.6559 0.6653 0.6759
0.6872 0.6992 0.7116 0.7245 0.7378
0.7514 0.7663 0.7966 0.8266 0.8563
0.8856 0.9147 0.9434 0.9719 1.0000
Width:
0.0145 0.0290 0.0434 0.0579 0.0724
0.0869 0.1013 0.1158 0.1303 0.1448
0.1593 0.1737 0.1882 0.2027 0.2172
0.2316 0.2461 0.2606 0.2751 0.2896
0.3040 0.3185 0.3330 0.3475 0.3798
0.4164 0.4530 0.4897 0.5263 0.5629
0.5995 0.6362 0.6728 0.7080 0.7335
0.7591 0.7846 0.8102 0.8357 0.8613
0.8868 0.9114 0.9225 0.9336 0.9446
0.9557 0.9668 0.9779 0.9889 1.0000

Transect ROW_14m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0153 0.0209 0.0273 0.0345 0.0426
0.0516 0.0614 0.0721 0.0836 0.0959
0.1091 0.1232 0.1381 0.1539 0.1705
0.1880 0.2064 0.2255 0.2456 0.2665
0.2882 0.3108 0.3343 0.3583 0.3824
0.4065 0.4306 0.4548 0.4797 0.5055
0.5322 0.5598 0.5883 0.6176 0.6479
0.6791 0.7112 0.7441 0.7780 0.8127
0.8484 0.8850 0.9224 0.9608 1.0000
Hrad:
0.0166 0.0332 0.0498 0.0664 0.0830
0.0997 0.1163 0.1329 0.1495 0.1661
0.1827 0.1993 0.2159 0.2325 0.2491
0.2657 0.2823 0.2990 0.3156 0.3322
0.3488 0.3654 0.3820 0.3986 0.4152
0.4318 0.4484 0.4650 0.4935 0.5262
0.5588 0.5913 0.6238 0.6553 0.6853
0.7137 0.7407 0.7664 0.7909 0.8143
0.8366 0.8579 0.8783 0.8979 0.9166
0.9346 0.9519 0.9685 0.9845 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6160 0.6386 0.6612
0.6838 0.7063 0.7289 0.7515 0.7741
0.7967 0.8193 0.8419 0.8645 0.8871
0.9096 0.9322 0.9548 0.9774 1.0000

Transect ROW_14m-MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0407 0.0484 0.0568 0.0659 0.0757
0.0861 0.0972 0.1089 0.1214 0.1345
0.1483 0.1631 0.1791 0.1963 0.2146
0.2342 0.2549 0.2768 0.2999 0.3242
0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274

0.6618 0.6967 0.7326 0.7693 0.8064
0.8441 0.8823 0.9210 0.9603 1.0000

Hrad:

0.0198 0.0396 0.0594 0.0792 0.0990
0.1188 0.1386 0.1584 0.1782 0.1980
0.2178 0.2376 0.2574 0.2772 0.2971
0.3169 0.3367 0.3565 0.3763 0.3961
0.4159 0.4347 0.4520 0.4681 0.4834
0.4979 0.5119 0.5256 0.5389 0.5521
0.5650 0.5779 0.5907 0.6035 0.6162
0.6289 0.6560 0.6844 0.7123 0.7397
0.7667 0.7933 0.8190 0.8459 0.8726
0.8988 0.9247 0.9501 0.9752 1.0000

Width:

0.0168 0.0336 0.0504 0.0673 0.0841
0.1009 0.1177 0.1345 0.1513 0.1681
0.1849 0.2018 0.2186 0.2354 0.2522
0.2690 0.2858 0.3026 0.3195 0.3363
0.3552 0.3849 0.4146 0.4442 0.4739
0.5036 0.5332 0.5629 0.5926 0.6223
0.6519 0.6816 0.7113 0.7409 0.7706
0.8003 0.8150 0.8279 0.8407 0.8536
0.8664 0.8836 0.9093 0.9229 0.9357
0.9486 0.9614 0.9743 0.9871 1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003 0.0012 0.0027 0.0048 0.0074
0.0107 0.0145 0.0190 0.0240 0.0297
0.0359 0.0428 0.0502 0.0582 0.0668
0.0760 0.0858 0.0962 0.1072 0.1188
0.1307 0.1437 0.1571 0.1710 0.1856
0.2012 0.2183 0.2369 0.2570 0.2786
0.3017 0.3263 0.3524 0.3800 0.4091
0.4397 0.4719 0.5055 0.5406 0.5772
0.6153 0.6544 0.6944 0.7354 0.7772
0.8199 0.8636 0.9082 0.9536 1.0000

Hrad:

0.0233 0.0465 0.0698 0.0931 0.1163
0.1396 0.1628 0.1861 0.2094 0.2326
0.2559 0.2792 0.3024 0.3257 0.3489
0.3722 0.3955 0.4187 0.4420 0.4653
0.4885 0.5118 0.5350 0.5583 0.5816
0.6036 0.6224 0.6386 0.6529 0.6657
0.6773 0.6882 0.6985 0.7084 0.7180
0.7275 0.7370 0.7464 0.7559 0.7655
0.7817 0.8084 0.8343 0.8597 0.8844
0.9085 0.9321 0.9552 0.9779 1.0000

Width:

0.0127 0.0254 0.0380 0.0507 0.0634
0.0761 0.0888 0.1014 0.1141 0.1268
0.1395 0.1522 0.1648 0.1775 0.1902
0.2029 0.2156 0.2283 0.2409 0.2536
0.2663 0.2790 0.2917 0.3043 0.3170
0.3491 0.3812 0.4132 0.4453 0.4774
0.5095 0.5415 0.5736 0.6057 0.6378
0.6698 0.7019 0.7340 0.7661 0.7981
0.8255 0.8448 0.8642 0.8836 0.9030
0.9224 0.9418 0.9612 0.9806 1.0000

Transect ROW_16.5m_PH3

Area:

0.0004 0.0017 0.0039 0.0069 0.0107
0.0154 0.0210 0.0275 0.0347 0.0429
0.0519 0.0618 0.0725 0.0841 0.0965
0.1098 0.1240 0.1390 0.1548 0.1716
0.1892 0.2076 0.2269 0.2471 0.2677
0.2884 0.3090 0.3297 0.3510 0.3731
0.3962 0.4201 0.4449 0.4705 0.4971
0.5245 0.5527 0.5819 0.6119 0.6428
0.6746 0.7073 0.7408 0.7752 0.8105
0.8466 0.8837 0.9216 0.9603 1.0000

Hrad:

0.0173 0.0347 0.0520 0.0694 0.0867
0.1041 0.1214 0.1388 0.1561 0.1735
0.1908 0.2082 0.2255 0.2429 0.2602
0.2776 0.2949 0.3123 0.3296 0.3470
0.3643 0.3817 0.3990 0.4164 0.4493
0.4834 0.5173 0.5513 0.5844 0.6155
0.6449 0.6727 0.6990 0.7239 0.7475
0.7699 0.7913 0.8116 0.8310 0.8496
0.8673 0.8843 0.9007 0.9164 0.9316
0.9462 0.9603 0.9739 0.9872 1.0000

Width:

0.0214 0.0428 0.0642 0.0856 0.1070
0.1284 0.1498 0.1712 0.1926 0.2140
0.2354 0.2568 0.2782 0.2996 0.3210
0.3424 0.3638 0.3852 0.4066 0.4280
0.4494 0.4708 0.4922 0.5136 0.5152
0.5152 0.5152 0.5200 0.5418 0.5636
0.5855 0.6073 0.6291 0.6509 0.6727
0.6945 0.7164 0.7382 0.7600 0.7818
0.8036 0.8255 0.8473 0.8691 0.8909
0.9127 0.9345 0.9564 0.9782 1.0000

Transect ROW_18m

Area:

0.0004 0.0016 0.0036 0.0064 0.0100
0.0144 0.0196 0.0255 0.0323 0.0399
0.0483 0.0575 0.0675 0.0782 0.0898
0.1022 0.1154 0.1293 0.1441 0.1597
0.1760 0.1932 0.2112 0.2299 0.2495
0.2698 0.2906 0.3114 0.3321 0.3529
0.3742 0.3967 0.4204 0.4452 0.4712
0.4983 0.5266 0.5560 0.5867 0.6184
0.6514 0.6855 0.7207 0.7571 0.7947
0.8335 0.8734 0.9144 0.9566 1.0000

Hrad:

0.0183 0.0366 0.0549 0.0732 0.0915
0.1098 0.1281 0.1464 0.1647 0.1829
0.2012 0.2195 0.2378 0.2561 0.2744
0.2927 0.3110 0.3293 0.3476 0.3659
0.3842 0.4025 0.4208 0.4391 0.4574
0.4757 0.5117 0.5476 0.5834 0.6192
0.6542 0.6864 0.7162 0.7437 0.7692
0.7927 0.8145 0.8348 0.8537 0.8713
0.8877 0.9031 0.9176 0.9313 0.9442
0.9565 0.9681 0.9792 0.9898 1.0000

Width:

0.0182 0.0363 0.0545 0.0726 0.0908
0.1090 0.1271 0.1453 0.1635 0.1816
0.1998 0.2179 0.2361 0.2543 0.2724
0.2906 0.3088 0.3269 0.3451 0.3632
0.3814 0.3996 0.4177 0.4359 0.4541
0.4722 0.4722 0.4722 0.4722 0.4722
0.4986 0.5250 0.5514 0.5778 0.6042
0.6306 0.6833 0.7097 0.7361 0.8681
0.7625 0.7889 0.8153 0.8417 0.8681
0.8944 0.9208 0.9472 0.9736 1.0000

Transect ROW_18m_MB_1

Area:

0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:

0.0198 0.0396 0.0594 0.0793 0.0991
0.1189 0.1387 0.1585 0.1783 0.1982
0.2180 0.2378 0.2576 0.2774 0.2972
0.3166 0.3340 0.3498 0.3646 0.3786
0.3921 0.4053 0.4183 0.4311 0.4439
0.4566 0.4770 0.5054 0.5332 0.5603
0.5869 0.6122 0.6360 0.6586 0.6807
0.7040 0.7271 0.7499 0.7723 0.7944
0.8163 0.8378 0.8591 0.8800 0.9007
0.9211 0.9412 0.9611 0.9807 1.0000

Width:

0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_MB_2

Area:

0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:

0.0198 0.0395 0.0593 0.0791 0.0989
0.1186 0.1384 0.1582 0.1780 0.1977
0.2155 0.2373 0.2571 0.2768 0.2966
0.3160 0.3333 0.3491 0.3638 0.3778
0.3913 0.4045 0.4174 0.4302 0.4430
0.4557 0.4760 0.5044 0.5321 0.5592
0.5857 0.6109 0.6347 0.6572 0.6793
0.7027 0.7258 0.7486 0.7711 0.7933
0.8152 0.8368 0.8581 0.8792 0.9000
0.9205 0.9408 0.9608 0.9805 1.0000

Width:

0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_Mountable

Area:

0.0003 0.0011 0.0026 0.0046 0.0072
0.0103 0.0140 0.0183 0.0232 0.0286
0.0346 0.0412 0.0484 0.0561 0.0644
0.0733 0.0827 0.0928 0.1034 0.1145
0.1263 0.1386 0.1515 0.1650 0.1799
0.1964 0.2143 0.2337 0.2546 0.2770
0.3009 0.3263 0.3532 0.3816 0.4115
0.4429 0.4758 0.5102 0.5459 0.5826
0.6202 0.6587 0.6981 0.7385 0.7797
0.8219 0.8651 0.9091 0.9541 1.0000

Hrad:

0.0235 0.0471 0.0706 0.0942 0.1177
0.1413 0.1648 0.1884 0.2119 0.2355
0.2590 0.2826 0.3061 0.3297 0.3532
0.3768 0.4003 0.4238 0.4474 0.4709
0.4945 0.5180 0.5416 0.5650 0.5852
0.6022 0.6168 0.6296 0.6410 0.6515
0.6613 0.6707 0.6799 0.6889 0.6979
0.7069 0.7161 0.7253 0.7478 0.7737
0.7989 0.8234 0.8474 0.8707 0.8935
0.9157 0.9375 0.9588 0.9796 1.0000

Width:

0.0124 0.0247 0.0371 0.0494 0.0618
0.0741 0.0865 0.0988 0.1112 0.1235
0.1359 0.1482 0.1606 0.1729 0.1853
0.1976 0.2100 0.2223 0.2347 0.2470
0.2594 0.2717 0.2841 0.3058 0.3381
0.3704 0.4027 0.4349 0.4672 0.4995
0.5318 0.5641 0.5964 0.6287 0.6610
0.6933 0.7255 0.7578 0.7807 0.8006
0.8206 0.8405 0.8604 0.8804 0.9003
0.9202 0.9402 0.9601 0.9801 1.0000

Transect ROW_18m_PH3

Area:

0.0004 0.0017 0.0038 0.0068 0.0107
0.0154 0.0209 0.0273 0.0346 0.0427
0.0516 0.0614 0.0721 0.0836 0.0960
0.1092 0.1233 0.1382 0.1540 0.1707
0.1882 0.2065 0.2256 0.2447 0.2638
0.2830 0.3026 0.3232 0.3447 0.3670
0.3903 0.4144 0.4394 0.4653 0.4921
0.5197 0.5483 0.5777 0.6080 0.6392
0.6713 0.7043 0.7382 0.7729 0.8085
0.8451 0.8825 0.9208 0.9599 1.0000

Hrad:

0.0179 0.0359 0.0538 0.0717 0.0896
0.1076 0.1255 0.1434 0.1613 0.1793
0.1972 0.2151 0.2330 0.2510 0.2689
0.2868 0.3047 0.3227 0.3406 0.3585
0.3764 0.3944 0.4225 0.4577 0.4928
0.5279 0.5621 0.5942 0.6243 0.6525
0.6791 0.7042 0.7279 0.7504 0.7716
0.7918 0.8110 0.8292 0.8467 0.8634
0.8794 0.8948 0.9095 0.9238 0.9375
0.9508 0.9636 0.9761 0.9882 1.0000

Width:

0.0211 0.0421 0.0632 0.0843 0.1053
0.1264 0.1475 0.1685 0.1896 0.2107
0.2318 0.2528 0.2739 0.2950 0.3160
0.3371 0.3582 0.3792 0.4003 0.4214
0.4424 0.4635 0.4722 0.4722 0.4722
0.4752 0.4971 0.5190 0.5408 0.5627
0.5846 0.6064 0.6283 0.6502 0.6720
0.6939 0.7158 0.7376 0.7595 0.7813
0.8032 0.8251 0.8469 0.8688 0.8907
0.9125 0.9344 0.9563 0.9781 1.0000

Transect ROW_20m

Area:

0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0193 0.0253 0.0320 0.0395
0.0478 0.0568 0.0667 0.0774 0.0888
0.1011 0.1141 0.1279 0.1425 0.1579
0.1741 0.1911 0.2088 0.2274 0.2464
0.2654 0.2844 0.3034 0.3226 0.3431
0.3646 0.3874 0.4114 0.4365 0.4629
0.4904 0.5191 0.5490 0.5801 0.6123
0.6458 0.6804 0.7162 0.7532 0.7914
0.8307 0.8713 0.9130 0.9559 1.0000

Hrad:

0.0190 0.0380 0.0570 0.0760 0.0950
0.1141 0.1331 0.1521 0.1711 0.1901
0.2091 0.2281 0.2471 0.2661 0.2851
0.3041 0.3231 0.3422 0.3612 0.3802
0.3992 0.4182 0.4372 0.4562 0.4926
0.5299 0.5672 0.6043 0.6411 0.6750
0.7060 0.7344 0.7603 0.7841 0.8059
0.8259 0.8444 0.8615 0.8773 0.8920
0.9057 0.9186 0.9307 0.9421 0.9529
0.9632 0.9730 0.9823 0.9913 1.0000

Width:

0.0177 0.0353 0.0530 0.0707 0.0883
0.1060 0.1237 0.1413 0.1590 0.1767
0.1943 0.2120 0.2297 0.2473 0.2650
0.2827 0.3003 0.3180 0.3357 0.3533

0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4590 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.7164 0.7400 0.7636 0.7873
0.7873 0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3981 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4385 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8880 0.8880 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4113 0.4493 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1970 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9305 0.9395 0.8568 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6500 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2112 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4172 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8745 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1863 0.2081 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4929 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017
0.3227 0.3453 0.3685 0.3919 0.4155
0.4393 0.4633 0.4875 0.5118 0.5364
0.5615 0.5871 0.6133 0.6408 0.6690
0.6977 0.7269 0.7568 0.7876 0.8192

```
          0.8516    0.8851    0.9205    0.9583    1.0000
Hrad:
          0.0356    0.0671    0.0952    0.1219    0.1526
          0.1825    0.2111    0.2388    0.2457    0.2281
          0.2626    0.2959    0.3290    0.3614    0.3872
          0.4105    0.4302    0.4402    0.4405    0.4805
          0.5198    0.5573    0.5905    0.6232    0.6553
          0.6869    0.6742    0.7110    0.7474    0.7833
          0.8187    0.8537    0.8883    0.9224    0.9509
          0.9733    0.9956    1.0049    1.0036    1.0287
          1.0536    1.0784    1.0896    1.1008    1.1169
          1.1330    1.1274    1.1025    1.0707    1.0000
Width:
          0.0541    0.0732    0.0923    0.1110    0.1246
          0.1374    0.1502    0.1630    0.1916    0.2527
          0.2652    0.2777    0.2895    0.3012    0.3179
          0.3368    0.3586    0.3902    0.4339    0.4377
          0.4416    0.4466    0.4547    0.4628    0.4709
          0.4791    0.5224    0.5268    0.5312    0.5356
          0.5400    0.5444    0.5488    0.5532    0.5611
          0.5729    0.5847    0.6049    0.6332    0.6440
          0.6548    0.6656    0.6857    0.7062    0.7236
          0.7412    0.7753    0.8268    0.8894    1.0000

Transect Upstream5
Area:
          0.0012    0.0039    0.0075    0.0122    0.0185
          0.0256    0.0332    0.0413    0.0500    0.0592
          0.0689    0.0792    0.0900    0.1012    0.1130
          0.1251    0.1375    0.1502    0.1632    0.1765
          0.1902    0.2041    0.2184    0.2330    0.2480
          0.2635    0.2798    0.2968    0.3145    0.3331
          0.3525    0.3727    0.3942    0.4178    0.4431
          0.4698    0.4988    0.5309    0.5639    0.5984
          0.6349    0.6722    0.7101    0.7485    0.7872
          0.8265    0.8666    0.9084    0.9530    1.0000
Hrad:
          0.0281    0.0626    0.0927    0.1114    0.1369
          0.1752    0.2115    0.2463    0.2799    0.3124
          0.3424    0.3749    0.4068    0.4379    0.4694
          0.5056    0.5411    0.5759    0.6102    0.6439
          0.6771    0.7099    0.7421    0.7699    0.7956
          0.8104    0.8232    0.8370    0.8495    0.8616
          0.8746    0.8886    0.8484    0.8428    0.8418
          0.8363    0.8155    0.8068    0.8309    0.8203
          0.8497    0.8801    0.9176    0.9547    0.9913
          1.0230    1.0475    1.0267    1.0168    1.0000
Width:
          0.0449    0.0640    0.0831    0.1124    0.1386
          0.1495    0.1603    0.1712    0.1820    0.1929
          0.2048    0.2146    0.2243    0.2341    0.2433
          0.2496    0.2559    0.2622    0.2684    0.2747
          0.2810    0.2873    0.2936    0.3016    0.3105
          0.3241    0.3390    0.3539    0.3698    0.3865
          0.4032    0.4199    0.4663    0.4984    0.5298
          0.5663    0.6178    0.6645    0.6844    0.7354
          0.7522    0.7679    0.7768    0.7857    0.7946
          0.8074    0.8259    0.8838    0.9366    1.0000

Transect Upstream6
Area:
          0.0020    0.0057    0.0101    0.0154    0.0216
          0.0285    0.0362    0.0446    0.0534    0.0628
          0.0726    0.0829    0.0939    0.1054    0.1174
          0.1299    0.1429    0.1564    0.1705    0.1850
          0.2000    0.2153    0.2310    0.2472    0.2637
          0.2808    0.2986    0.3172    0.3364    0.3564
          0.3786    0.4016    0.4255    0.4503    0.4760
          0.5026    0.5304    0.5593    0.5897    0.6214
          0.6541    0.6875    0.7215    0.7561    0.7915
          0.8280    0.8671    0.9077    0.9506    1.0000
Hrad:
          0.0333    0.0728    0.1080    0.1404    0.1714
          0.2022    0.2321    0.2687    0.3047    0.3396
          0.3717    0.4020    0.4318    0.4612    0.4948
          0.5246    0.5434    0.5820    0.6106    0.6442
          0.6773    0.7100    0.7423    0.7742    0.8057
          0.8224    0.8398    0.8578    0.8777    0.8995
          0.8582    0.8792    0.8979    0.9152    0.9365
          0.9490    0.9612    0.9727    0.9697    0.9916
          1.0145    1.0496    1.0816    1.1092    1.1367
          1.1540    1.1196    1.1309    1.0883    1.0000
Width:
          0.0616    0.0785    0.0947    0.1108    0.1267
          0.1418    0.1569    0.1666    0.1758    0.1850
          0.1952    0.2062    0.2171    0.2280    0.2365
          0.2466    0.2570    0.2674    0.2776    0.2853
          0.2930    0.3007    0.3084    0.3161    0.3238
          0.3379    0.3520    0.3661    0.3797    0.4163
          0.4379    0.4535    0.4707    0.4888    0.5050
          0.5264    0.5485    0.5718    0.6051    0.6237
          0.6417    0.6518    0.6637    0.6783    0.6930
          0.7329    0.7718    0.8002    0.8718    1.0000


***************
Analysis Options
***************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 01/01/2000 00:00:00
Ending Date .............. 01/03/2000 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:01:00
Dry Time Step ............ 00:01:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 18
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......        10.344       123.839
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         4.027        48.211
Surface Runoff ...........         6.222        74.497
Final Storage ............         0.098         1.175
Continuity Error (%) .....        -0.035


**************************        Volume         Volume
Flow Routing Continuity        hectare-m       10^6 ltr
**************************     ---------       ---------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         6.222        62.224
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.042         0.423
External Outflow .........         5.820        58.204
Flooding Loss ............         0.000         0.000
Evaporation Loss .........         0.000         0.000
Exfiltration Loss ........         0.272         2.715
Initial Stored Volume ....         0.000         0.000
Final Stored Volume ......         0.173         1.730
Continuity Error (%) .....        -0.002


************************
Highest Continuity Errors
************************
Node J45 (15.15%)
Node J36 (4.88%)
Node J22 (2.84%)
Node 554_(C-STRM) (2.84%)
Node J67 (2.12%)


**************************
Time-Step Critical Elements
**************************
None


********************************
Highest Flow Instability Indexes
********************************
Link C-STRM-102_(C-STRM) (9)
Link C-STRM-83_(C-STRM) (8)
Link C-STRM-71_(C-STRM) (5)
Link OL15 (4)
Link C-STRM-77_(C-STRM) (3)


*********************************
Most Frequent Nonconverging Nodes
*********************************
Convergence obtained at all time steps.


************************
Routing Time Step Summary
************************
Minimum Time Step           :     0.28 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
     1.000 -  0.871 sec     :    99.58 %
     0.871 -  0.758 sec     :     0.29 %
     0.758 -  0.660 sec     :     0.05 %
     0.660 -  0.574 sec     :     0.02 %
     0.574 -  0.500 sec     :     0.07 %


***************************
Subcatchment Runoff Summary
***************************
```

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
A15_1	123.84	0.00	0.00	66.23	23.21	31.48	54.68	0.72	0.11	0.442
A15_2	123.84	0.00	0.00	66.23	23.20	28.71	51.91	1.12	0.16	0.419
A18	123.84	0.00	0.00	53.71	47.88	21.70	69.57	0.41	0.22	0.562
A19	123.84	0.00	0.00	70.45	27.32	25.76	53.07	0.59	0.31	0.429
A20	123.84	0.00	0.00	82.67	10.24	29.65	39.89	1.93	0.28	0.322
NULL3	123.84	0.00	0.00	14.41	101.97	6.25	108.22	0.61	0.23	0.874
S1	123.84	0.00	0.00	55.98	78.65	43.33	66.92	4.36	2.63	0.540
S1_1	123.84	0.00	0.00	33.28	87.42	19.62	89.55	0.08	0.04	0.723
S1_2	123.84	0.00	0.00	33.30	87.42	19.59	89.53	0.12	0.06	0.723
S10_1	123.84	0.00	0.00	55.98	78.65	43.33	66.92	1.23	0.74	0.540
S10_2	123.84	0.00	0.00	55.98	78.65	43.33	66.92	1.43	0.86	0.540
S10_4	123.84	0.00	0.00	55.98	78.65	43.33	66.92	0.49	0.30	0.540
S10_5	123.84	0.00	0.00	55.98	78.65	43.33	66.92	0.84	0.51	0.540
S11	123.84	0.00	0.00	94.61	0.00	29.23	29.23	0.96	0.47	0.236
S12	123.84	0.00	0.00	33.32	87.42	19.57	89.50	0.39	0.18	0.723
S14_1	123.84	0.00	0.00	33.34	87.41	19.54	89.47	0.54	0.25	0.722
S14_3	123.84	0.00	0.00	33.42	87.40	19.46	89.38	0.95	0.44	0.722
S14_4	123.84	0.00	0.00	33.38	87.41	19.50	89.43	0.27	0.13	0.722
S14_5	123.84	0.00	0.00	33.41	87.40	19.47	89.40	1.51	0.69	0.722
S14_6	123.84	0.00	0.00	33.37	87.41	19.52	89.45	0.25	0.11	0.722
S14_7	123.84	0.00	0.00	33.38	87.41	19.50	89.43	1.07	0.49	0.722
S14_8	123.84	0.00	0.00	33.38	87.41	19.50	89.42	0.38	0.18	0.722
S15	123.84	0.00	0.00	55.98	78.65	43.33	66.92	1.10	0.66	0.540
S16_1	123.84	0.00	0.00	0.00	122.26	0.00	122.26	0.57	0.17	0.987
S16_2	123.84	0.00	0.00	0.00	122.21	0.00	122.21	1.21	0.31	0.987
S17	123.84	0.00	0.00	105.93	4.07	17.87	17.87	1.12	0.22	0.144
S18_2	123.84	0.00	0.00	54.08	82.15	44.13	68.78	2.30	1.36	0.555
S18_3	123.84	0.00	0.00	54.08	82.15	44.13	68.78	1.14	0.67	0.555
S18_4	123.84	0.00	0.00	54.08	82.15	44.13	68.78	0.60	0.36	0.555
S18_5	123.84	0.00	0.00	54.08	82.15	44.13	68.78	1.26	0.74	0.555
S18_6	123.84	0.00	0.00	54.08	82.15	44.13	68.78	0.58	0.34	0.555
S19	123.84	0.00	0.00	33.38	87.41	19.51	89.43	0.87	0.40	0.722
S2	123.84	0.00	0.00	33.40	87.41	19.49	89.41	0.33	0.15	0.722
S2_1	123.84	0.00	0.00	54.08	82.15	44.13	68.78	2.16	1.28	0.555
S2_2	123.84	0.00	0.00	54.08	82.15	44.13	68.78	0.70	0.41	0.555
S20_1	123.84	0.00	0.00	33.34	87.42	19.54	89.48	0.40	0.19	0.723
S20_2	123.84	0.00	0.00	33.35	87.41	19.54	89.47	0.21	0.10	0.722
S3	123.84	0.00	0.00	55.98	78.65	43.33	66.92	1.42	0.85	0.540
S32_1	123.84	0.00	0.00	33.31	87.42	19.58	89.51	0.38	0.18	0.723
S32_2	123.84	0.00	0.00	55.98	78.65	43.33	66.92	0.11	0.06	0.540
S36	123.84	0.00	0.00	0.00	122.16	0.00	122.16	2.22	0.49	0.986
S4	123.84	0.00	0.00	13.19	104.80	4.50	109.30	14.44	4.77	0.883

```
  S5                    123.84       0.00       0.00      12.73     104.82       4.97
109.79        3.51      1.28    0.887
  S6                    123.84       0.00       0.00      44.28      69.94      22.81
78.76         0.27      0.14    0.636
  S7                    123.84       0.00       0.00      12.69     104.82       5.00
109.83        4.38      1.61    0.887
  S8                    123.84       0.00       0.00      80.38      43.69      42.93
42.93         0.69      0.38    0.347
```

```
  ******************
  Node Depth Summary
  ******************
```

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days	hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.02	0.18	104.57	0	12:00	0.18
EXD_10	JUNCTION	0.06	0.44	99.09	0	12:02	0.44
EXD_11	JUNCTION	0.05	0.32	98.81	0	12:03	0.32
EXD_12	JUNCTION	0.07	0.47	98.77	0	12:02	0.47
EXD_13	JUNCTION	0.02	0.19	104.51	0	12:00	0.19
EXD_14	JUNCTION	0.00	0.00	102.49	0	00:00	0.00
EXD_15	JUNCTION	0.07	0.62	100.89	0	12:01	0.62
EXD_16	JUNCTION	0.04	0.22	100.42	0	12:02	0.22
EXD_17	JUNCTION	0.05	0.20	100.09	0	12:05	0.20
EXD_18	JUNCTION	0.04	0.29	99.69	0	12:06	0.29
EXD_19	JUNCTION	0.07	0.49	99.68	0	12:04	0.49
EXD_2	JUNCTION	0.04	0.30	103.77	0	12:02	0.30
EXD_20	JUNCTION	0.07	0.49	99.68	0	12:04	0.49
EXD_21	JUNCTION	0.06	0.33	99.51	0	12:04	0.33
EXD_22	JUNCTION	0.04	0.22	99.36	0	12:08	0.22
EXD_23	JUNCTION	0.06	0.34	99.09	0	12:12	0.34
EXD_24	JUNCTION	0.03	0.30	98.97	0	12:11	0.30
EXD_25	JUNCTION	0.06	0.44	98.96	0	12:12	0.44
EXD_26	JUNCTION	0.03	0.22	98.70	0	12:17	0.21
EXD_27	JUNCTION	0.07	0.39	98.56	0	12:00	0.39
EXD_3	JUNCTION	0.01	0.16	103.35	0	12:03	0.16
EXD_4	JUNCTION	0.01	0.16	102.80	0	12:03	0.16
EXD_5	JUNCTION	0.02	0.26	102.75	0	12:04	0.26
EXD_6	JUNCTION	0.02	0.15	102.47	0	12:04	0.15
EXD_7	JUNCTION	0.02	0.22	101.71	0	12:06	0.22
EXD_8	JUNCTION	0.07	0.92	101.40	0	12:18	0.92
EXD_9	JUNCTION	0.03	0.23	100.61	0	12:20	0.23
J1	JUNCTION	0.00	0.19	103.64	0	12:07	0.19
J13	JUNCTION	0.01	0.32	103.62	0	12:04	0.32
J17	JUNCTION	0.02	0.18	104.55	0	12:00	0.18
J19	JUNCTION	0.00	0.09	105.69	0	12:00	0.09
J2	JUNCTION	0.00	0.05	109.05	0	12:00	0.05
J20	JUNCTION	0.00	0.10	105.90	0	12:00	0.10
J21	JUNCTION	0.00	0.08	105.98	0	12:06	0.08
J22	JUNCTION	0.00	0.10	106.13	0	12:03	0.10
J23	JUNCTION	0.00	0.07	106.27	0	12:01	0.07
J27	JUNCTION	0.00	0.10	109.10	0	12:00	0.10
J28	JUNCTION	0.00	0.16	108.96	0	12:00	0.16
J3	JUNCTION	0.00	0.17	103.87	0	12:01	0.17
J31	JUNCTION	0.00	0.19	106.19	0	12:01	0.19
J35	JUNCTION	0.00	0.20	104.90	0	12:00	0.20
J36	JUNCTION	0.00	0.09	105.02	0	12:03	0.09
J37	JUNCTION	0.00	0.19	104.84	0	12:01	0.19
J38	JUNCTION	0.00	0.23	104.83	0	12:03	0.23
J39	JUNCTION	0.00	0.24	104.68	0	12:03	0.24
J4	JUNCTION	0.00	0.20	103.80	0	12:01	0.20
J40	JUNCTION	0.00	0.36	103.56	0	12:04	0.36
J42	JUNCTION	0.00	0.20	104.40	0	12:03	0.20
J43	JUNCTION	0.00	0.17	104.67	0	12:01	0.17
J45	JUNCTION	0.00	0.07	104.97	0	12:03	0.07
J46	JUNCTION	0.00	0.00	105.10	0	00:00	0.00
J47	JUNCTION	0.00	0.15	105.90	0	12:01	0.15
J49	JUNCTION	0.00	0.17	105.47	0	12:03	0.17
J5	JUNCTION	0.00	0.24	103.74	0	12:01	0.24
J50	JUNCTION	0.00	0.15	106.90	0	12:01	0.15
J51	JUNCTION	0.00	0.00	109.75	0	00:00	0.00
J52	JUNCTION	0.00	0.00	109.80	0	00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0	00:00	0.00
J56	JUNCTION	0.00	0.05	108.52	0	12:01	0.05
J57	JUNCTION	0.00	0.11	108.51	0	12:00	0.11
J58	JUNCTION	0.00	0.13	108.13	0	12:00	0.13
J6	JUNCTION	0.00	0.26	103.66	0	12:02	0.26
J60	JUNCTION	0.00	0.10	107.10	0	12:00	0.10
J61	JUNCTION	0.00	0.14	107.64	0	12:00	0.14
J62	JUNCTION	0.00	0.19	105.89	0	12:02	0.19
J63	JUNCTION	0.00	0.08	105.28	0	12:01	0.08
J66	JUNCTION	0.00	0.13	107.88	0	12:01	0.13
J67	JUNCTION	0.00	0.11	107.61	0	12:02	0.11
J74	JUNCTION	0.37	1.26	99.71	0	12:16	1.26
OF1	OUTFALL	0.00	0.00	100.80	0	00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
OF3	OUTFALL	0.05	0.35	98.35	0	12:00	0.35
ST4_108A_(P-Stm)	OUTFALL	0.52	1.68	99.70	0	12:15	1.68
500_(C-STRM)	STORAGE	0.31	0.64	101.01	0	12:07	0.64
502_(C-STRM)	STORAGE	0.16	1.78	102.36	0	12:13	1.78
503_(C-STRM)	STORAGE	0.14	1.90	102.51	0	12:13	1.90
504_(C-STRM)	STORAGE	0.35	1.31	104.37	0	12:13	1.31
505_(C-STRM)	STORAGE	0.35	1.60	105.08	0	12:13	1.60
506_(C-STRM)	STORAGE	0.35	1.77	105.00	0	12:12	1.75
507_(C-STRM)	STORAGE	0.34	1.79	105.95	0	12:13	1.79
508_(C-STRM)	STORAGE	0.34	1.89	106.29	0	12:13	1.89
509_(C-STRM)	STORAGE	0.35	2.01	106.63	0	12:13	2.00
510_(C-STRM)	STORAGE	0.35	2.02	106.89	0	12:13	2.01
511_(C-STRM)	STORAGE	0.35	2.03	106.97	0	12:13	2.02
512_(C-STRM)	STORAGE	0.35	2.11	107.25	0	12:13	2.11
513_(C-STRM)	STORAGE	0.35	2.10	107.36	0	12:13	2.10
514_(C-STRM)	STORAGE	0.24	1.76	107.37	0	12:13	1.75
515_(C-STRM)	STORAGE	0.23	1.50	107.38	0	12:13	1.48
516_(C-STRM)	STORAGE	0.35	2.09	107.57	0	12:12	2.08
517_(C-STRM)	STORAGE	0.35	2.16	107.80	0	12:12	2.16
518_(C-STRM)	STORAGE	0.36	2.43	108.31	0	12:08	2.42
519_(C-STRM)	STORAGE	0.33	2.23	108.32	0	12:07	2.22
520_(C-STRM)	STORAGE	0.33	2.09	108.36	0	12:07	2.07
522_(C-STRM)	STORAGE	0.32	0.65	104.95	0	12:04	0.65
525_(C-STRM)	STORAGE	0.15	1.79	102.37	0	12:14	1.79
528_(C-STRM)	STORAGE	0.10	1.93	102.63	0	12:15	1.93
532_(C-STRM)	STORAGE	0.07	1.98	102.78	0	12:15	1.98
536_(C-STRM)	STORAGE	0.07	1.97	102.92	0	12:15	1.97
540_(C-STRM)	STORAGE	0.36	2.22	103.05	0	12:16	2.22
541_(C-STRM)	STORAGE	0.35	2.20	103.11	0	12:16	2.20
551_(C-STRM)	STORAGE	0.34	1.75	102.43	0	12:14	1.75
552_(C-STRM)	STORAGE	0.34	1.73	102.50	0	12:14	1.73
553_(C-STRM)	STORAGE	0.34	1.61	102.57	0	12:15	1.61
554_(C-STRM)	STORAGE	0.24	1.50	102.57	0	12:15	1.50
555_(C-STRM)	STORAGE	0.24	1.30	102.58	0	12:15	1.30
556_(C-STRM)	STORAGE	0.23	1.18	102.58	0	12:15	1.18
601_(C-STRM)	STORAGE	0.16	1.26	101.69	0	12:19	1.26
602_(C-STRM)	STORAGE	0.17	1.80	102.28	0	12:19	1.80
603_(C-STRM)	STORAGE	0.15	1.90	102.45	0	12:19	1.90
604_(C-STRM)	STORAGE	0.16	2.21	102.84	0	12:19	2.21
605_(C-STRM)	STORAGE	0.25	1.59	102.96	0	12:19	1.59
619_(C-STRM)	STORAGE	0.15	2.89	104.02	0	12:18	2.89
622_(C-STRM)	STORAGE	0.16	3.14	104.37	0	12:18	3.14
626_(C-STRM)	STORAGE	0.24	1.20	105.20	0	12:18	1.20
627_(C-STRM)	STORAGE	0.25	1.82	105.20	0	12:18	1.82
629_(C-STRM)	STORAGE	0.15	2.84	104.55	0	12:17	2.84
630_(C-STRM)	STORAGE	0.15	2.89	104.72	0	12:17	2.89
630A_(C-STRM)	STORAGE	0.15	2.90	104.78	0	12:17	2.90
633_TC-STRM)	STORAGE	0.00	0.18	105.48	0	12:01	0.18
634_(C-STRM)	STORAGE	0.27	2.65	104.53	0	12:17	2.65
637_(C-STRM)	STORAGE	0.00	0.22	105.57	0	12:01	0.22
643_(C-STRM)	STORAGE	0.27	2.63	104.70	0	12:17	2.63
644_(C-STRM)	STORAGE	0.25	2.21	104.75	0	12:17	2.21
645_(C-STRM)	STORAGE	0.10	2.58	104.87	0	12:16	2.58
646_(C-STRM)	STORAGE	0.09	2.56	104.99	0	12:16	2.56
647_(C-STRM)	STORAGE	0.09	2.51	105.08	0	12:16	2.51
650_(C-STRM)	STORAGE	0.15	2.60	103.59	0	12:18	2.60
651_(C-STRM)	STORAGE	0.16	2.46	103.35	0	12:18	2.46
652_(C-STRM)	STORAGE	0.16	2.38	103.25	0	12:18	2.38
Filter_Bed	STORAGE	0.32	0.98	101.08	0	12:06	0.98
Industrial_NORTH	STORAGE	0.00	0.26	105.46	0	12:05	0.26
Industrial_South	STORAGE	0.00	0.35	105.35	0	12:04	0.35
MTD_(C-STRM)	STORAGE	0.28	1.66	102.02	0	12:13	1.66
OVERFLOW_(C-STRM)	STORAGE	0.40	1.06	101.23	0	12:07	1.06
PARK	STORAGE	0.00	0.17	105.53	0	12:17	0.17
POND_(C-STRM)	STORAGE	1.46	2.46	100.91	0	13:07	2.46
S_504-503	STORAGE	0.00	0.15	105.90	0	12:01	0.15
S_525-MTD	STORAGE	0.00	0.19	103.64	0	12:00	0.19
S_528-525	STORAGE	0.00	0.19	103.69	0	12:01	0.19
S_533-528	STORAGE	0.00	0.16	103.81	0	12:00	0.16
S_536-532	STORAGE	0.00	0.25	103.95	0	12:00	0.25
S_540-536	STORAGE	0.00	0.22	104.07	0	12:00	0.22
S_545-541	STORAGE	0.00	0.23	104.13	0	12:01	0.23
S_607-605	STORAGE	0.00	0.26	108.16	0	12:02	0.26
S_620-619	STORAGE	0.00	0.25	107.15	0	12:00	0.25
S_622-619	STORAGE	0.00	0.20	106.20	0	12:01	0.20
S_623-622	STORAGE	0.00	0.26	106.76	0	12:00	0.26
S_627-630	STORAGE	0.00	0.15	106.85	0	12:00	0.15
S_652-604	STORAGE	0.00	0.20	106.05	0	12:00	0.20
Woodlot_North	STORAGE	0.01	0.36	107.11	0	12:36	0.36

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  Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days	hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.178	0	12:00	0	0.39	-0.005
EXD_10	JUNCTION	0.660	0.948	0	12:00	2.79	6.22	-0.058
EXD_11	JUNCTION	0.000	0.867	0	12:02	0	6.22	0.002
EXD_12	JUNCTION	0.157	0.986	0	12:01	1.12	7.34	0.001
EXD_13	JUNCTION	0.000	0.177	0	12:00	0	0.39	-0.166
EXD_14	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.280	0.280	0	12:00	1.93	1.93	-0.000
EXD_16	JUNCTION	0.000	0.158	0	12:01	0	1.93	-0.009
EXD_17	JUNCTION	0.000	0.159	0	12:03	0	1.93	-0.011
EXD_18	JUNCTION	0.000	0.157	0	12:05	0	1.93	0.084
EXD_19	JUNCTION	0.000	0.172	0	12:12	0	1.95	-0.053
EXD_2	JUNCTION	0.000	0.176	0	12:00	0	0.39	0.173
EXD_20	JUNCTION	0.311	0.311	0	12:00	0.587	2.54	-0.003
EXD_21	JUNCTION	0.000	0.298	0	12:04	0	2.52	-0.013
EXD_22	JUNCTION	0.000	0.298	0	12:05	0	2.52	-0.024
EXD_23	JUNCTION	0.000	0.296	0	12:08	0	2.52	0.093
EXD_24	JUNCTION	0.000	0.292	0	12:12	0	2.52	-0.005
EXD_25	JUNCTION	0.220	0.340	0	12:07	0.413	2.93	0.012
EXD_26	JUNCTION	0.000	0.415	0	12:14	0	2.93	0.025
EXD_27	JUNCTION	0.234	1.445	0	12:00	0.612	10.9	-0.005
EXD_3	JUNCTION	0.000	0.169	0	12:02	0	0.39	0.070
EXD_4	JUNCTION	0.000	0.168	0	12:03	0	0.389	0.021
EXD_5	JUNCTION	0.000	0.167	0	12:03	0	0.389	0.004
EXD_6	JUNCTION	0.000	0.167	0	12:04	0	0.389	-0.392
EXD_7	JUNCTION	0.224	0.385	0	12:04	1.12	1.51	0.065
EXD_8	JUNCTION	0.411	0.681	0	12:00	1.93	3.44	0.033
EXD_9	JUNCTION	0.000	0.420	0	12:18	0	3.43	0.126
J1	JUNCTION	0.000	0.336	0	12:04	0	0.0956	11.210
J13	JUNCTION	0.000	2.136	0	12:01	0	1.46	-0.616
J17	JUNCTION	0.000	0.178	0	12:00	0	0.39	0.003
J19	JUNCTION	0.038	0.172	0	12:00	0.0839	0.204	0.140
J2	JUNCTION	0.179	0.179	0	12:00	0.39	0.39	-0.091
J20	JUNCTION	0.153	0.199	0	12:00	0.333	0.401	-0.933
J21	JUNCTION	0.057	0.105	0	12:03	0.125	0.182	0.384
J22	JUNCTION	0.000	0.114	0	12:01	0	0.0596	2.926
J23	JUNCTION	0.000	0.179	0	12:00	0	0.0855	0.378
J27	JUNCTION	0.248	0.248	0	12:00	0.541	0.541	-2.144
J28	JUNCTION	0.692	0.811	0	12:00	1.51	1.59	0.055
J3	JUNCTION	0.000	0.875	0	12:00	0	0.568	-0.005
J31	JUNCTION	0.000	1.463	0	12:00	0	0.87	-0.087
J35	JUNCTION	0.398	1.047	0	12:00	0.867	1.36	-0.722
J36	JUNCTION	0.000	0.142	0	12:01	0	0.129	5.129
J37	JUNCTION	0.000	0.794	0	12:00	0	0.535	0.435
J38	JUNCTION	0.097	2.141	0	12:02	0.212	1.76	-0.226
J39	JUNCTION	0.000	2.065	0	12:03	0	1.53	0.501
J4	JUNCTION	0.000	1.338	0	12:00	0	0.829	0.006
J40	JUNCTION	0.000	4.570	0	12:04	0	4.04	-0.004
J42	JUNCTION	0.185	3.456	0	12:03	0.404	3.1	-0.293
J43	JUNCTION	0.175	1.636	0	12:00	0.382	1.58	-0.273
J45	JUNCTION	0.000	0.066	0	12:00	0	0.0186	17.850
J46	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J47	JUNCTION	0.126	1.624	0	12:00	0.275	1.46	-0.005
J49	JUNCTION	0.000	1.471	0	12:02	0	1.02	0.262
J5	JUNCTION	0.000	1.527	0	12:01	0	0.945	-0.003
J50	JUNCTION	0.175	1.179	0	12:00	0.381	1.29	0.296

J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.007	0	11:56	0	0.00273	18.636
J57	JUNCTION	0.435	0.735	0	12:00	0.949	1.16	0.520
J58	JUNCTION	0.114	0.498	0	12:00	0.249	0.53	- 0.407
J6	JUNCTION	0.000	1.833	0	12:01	0	1.16	- 0.007
J60	JUNCTION	0.490	0.815	0	12:00	1.07	1.36	- 0.740
J61	JUNCTION	0.000	0.736	0	12:00	0	0.437	- 0.427
J62	JUNCTION	0.000	1.380	0	12:02	0	0.871	0.527
J63	JUNCTION	0.000	0.146	0	12:00	0	0.13	0.662
J66	JUNCTION	0.000	0.425	0	12:00	0	0.301	0.028
J67	JUNCTION	0.000	0.415	0	12:01	0	0.301	2.164
J74	JUNCTION	0.000	0.424	0	13:07	0	43.2	0.023
OF1	OUTFALL	0.000	0.635	0	13:07	0	3.86	0.000
OF2	OUTFALL	0.139	0.139	0	12:00	0.269	0.269	0.000
OF3	OUTFALL	0.000	1.414	0	12:00	0	10.9	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.424	0	13:08	0	43.2	0.000
500_(C-STRM)	STORAGE	0.000	0.275	0	12:07	0	1.32	- 0.138
502_(C-STRM)	STORAGE	0.000	1.361	0	12:13	0	6.6	0.026
503_(C-STRM)	STORAGE	0.000	1.038	0	12:13	0	5.1	- 0.000
504_(C-STRM)	STORAGE	0.000	0.955	0	12:13	0	4.71	- 0.058
505_(C-STRM)	STORAGE	0.000	0.876	0	12:12	0	4.34	0.008
506_(C-STRM)	STORAGE	0.000	0.796	0	12:12	0	3.95	0.074
507_(C-STRM)	STORAGE	0.000	0.592	0	12:14	0	2.95	- 0.143
508_(C-STRM)	STORAGE	0.000	0.579	0	12:13	0	2.95	- 0.001
509_(C-STRM)	STORAGE	0.000	0.571	0	12:13	0	2.95	- 0.002
510_(C-STRM)	STORAGE	0.000	0.576	0	12:12	0	2.95	- 0.017
511_(C-STRM)	STORAGE	0.000	0.580	0	12:12	0	2.95	0.019
512_(C-STRM)	STORAGE	0.000	0.531	0	12:09	0	2.72	- 0.002
513_(C-STRM)	STORAGE	0.000	0.588	0	11:52	0	2.78	0.213
514_(C-STRM)	STORAGE	0.000	0.072	0	11:54	0	0.068	1.978
515_(C-STRM)	STORAGE	0.000	0.039	0	11:56	0	0.0145	- 6.616
516_(C-STRM)	STORAGE	0.000	0.387	0	12:08	0	1.84	- 0.535
517_(C-STRM)	STORAGE	0.000	0.412	0	12:07	0	1.84	- 0.077
518_(C-STRM)	STORAGE	0.000	0.440	0	11:48	0	1.85	0.288
519_(C-STRM)	STORAGE	0.000	0.151	0	11:46	0	0.467	- 0.620
520_(C-STRM)	STORAGE	0.000	0.123	0	11:45	0	0.468	0.517
522_(C-STRM)	STORAGE	0.000	0.088	0	11:45	0	0.324	0.014
525_(C-STRM)	STORAGE	0.000	1.267	0	12:23	0	5.61	0.016
528_(C-STRM)	STORAGE	0.000	1.063	0	12:23	0	4.73	- 0.001
532_(C-STRM)	STORAGE	0.000	0.842	0	12:23	0	3.8	- 0.041
536_(C-STRM)	STORAGE	0.000	0.726	0	12:23	0	3.34	- 0.013
540_(C-STRM)	STORAGE	0.000	0.495	0	12:23	0	2.34	0.001
541_(C-STRM)	STORAGE	0.000	0.378	0	11:46	0	1.86	0.014
551_(C-STRM)	STORAGE	0.000	0.241	0	12:15	0	1.07	- 0.062
552_(C-STRM)	STORAGE	0.000	0.239	0	12:15	0	1.07	- 0.139
553_(C-STRM)	STORAGE	0.000	0.197	0	11:45	0	0.899	0.219
554_(C-STRM)	STORAGE	0.000	0.122	0	11:51	0	0.107	2.923
555_(C-STRM)	STORAGE	0.000	0.098	0	11:53	0	0.0491	- 0.006
556_(C-STRM)	STORAGE	0.000	0.052	0	11:54	0	0.0115	- 7.064
601_(C-STRM)	STORAGE	0.000	5.495	0	12:19	0	27.7	0.039
602_(C-STRM)	STORAGE	0.000	5.495	0	12:19	0	27.7	- 0.001
603_(C-STRM)	STORAGE	0.000	5.341	0	12:19	0	27	- 0.001
604_(C-STRM)	STORAGE	0.000	5.341	0	12:18	0	27	0.000
605_(C-STRM)	STORAGE	0.000	0.664	0	11:46	0	2.56	- 0.037
619_(C-STRM)	STORAGE	0.000	4.419	0	12:17	0	23.3	0.001
622_(C-STRM)	STORAGE	0.000	4.190	0	12:17	0	22.6	- 0.037
626_(C-STRM)	STORAGE	0.000	0.141	0	11:52	0	0.963	- 0.277
627_(C-STRM)	STORAGE	0.000	0.240	0	12:21	0	1.24	0.312
629_(C-STRM)	STORAGE	0.000	3.222	0	12:17	0	19.5	0.015
630_(C-STRM)	STORAGE	0.000	3.225	0	12:17	0	19.5	0.004
630A_(C-STRM)	STORAGE	0.000	2.991	0	12:16	0	18.3	0.052
633_(C-STRM)	STORAGE	0.411	0.411	0	12:00	0.697	0.697	0.000
634_(C-STRM)	STORAGE	0.000	0.586	0	12:26	0	1.78	0.036
637_(C-STRM)	STORAGE	1.275	1.275	0	12:00	2.16	2.16	- 0.000
643_(C-STRM)	STORAGE	0.000	0.447	0	12:21	0	1.42	0.423
644_(C-STRM)	STORAGE	0.000	0.162	0	11:51	0	0.16	- 1.400
645_(C-STRM)	STORAGE	0.000	0.820	0	12:26	0	3.98	0.050
646_(C-STRM)	STORAGE	0.000	0.660	0	12:26	0	3.87	- 0.010
647_(C-STRM)	STORAGE	0.000	0.543	0	11:47	0	3.58	0.025
650_(C-STRM)	STORAGE	0.000	4.416	0	12:18	0	23.3	- 0.002
651_(C-STRM)	STORAGE	0.000	4.414	0	12:18	0	23.3	- 0.001
652_(C-STRM)	STORAGE	0.000	4.678	0	12:18	0	24.5	0.013
Filter_Bed	STORAGE	0.000	6.720	0	12:05	0	15	0.696
Industrial_NORTH	STORAGE	4.766	4.766	0	12:00	14.4	14.4	- 0.041
Industrial_South	STORAGE	1.280	1.280	0	12:00	3.51	3.51	- 0.023
MTD_(C-STRM)	STORAGE	0.000	2.581	0	12:15	0	12.2	- 0.016
OVERFLOW_(C-STRM)	STORAGE	0.000	2.587	0	12:15	0	12.2	- 0.814
PARK	STORAGE	0.380	0.380	0	12:00	0.686	0.686	- 0.000
POND_(C-STRM)	STORAGE	2.044	12.971	0	12:05	4.8	48.8	- 0.021
S_504-503	STORAGE	0.064	0.064	0	12:00	0.106	0.106	- 0.006
S_525-MTD	STORAGE	0.660	0.660	0	12:00	1.1	1.1	- 0.006
S_528-525	STORAGE	0.672	0.672	0	12:00	1.14	1.14	- 0.006
S_532-528	STORAGE	0.341	0.341	0	12:00	0.578	0.578	- 0.006
S_536-532	STORAGE	0.743	0.743	0	12:00	1.26	1.26	- 0.006
S_540-536	STORAGE	0.355	0.355	0	12:00	0.602	0.602	- 0.006
S_545-541	STORAGE	1.360	1.360	0	12:00	2.3	2.3	- 0.006
S_607-605	STORAGE	2.627	2.627	0	12:00	4.36	4.36	- 0.000
S_620-619	STORAGE	0.744	0.744	0	12:00	1.23	1.23	- 0.000
S_622-619	STORAGE	0.509	0.509	0	12:00	0.845	0.845	- 0.000
S_623-622	STORAGE	0.859	0.859	0	12:00	1.43	1.43	- 0.000
S_627-630	STORAGE	0.297	0.297	0	12:00	0.493	0.493	- 0.000
S_652-604	STORAGE	0.855	0.855	0	12:00	1.42	1.42	- 0.006
Woodlot_North	STORAGE	0.468	0.468	0	12:00	0.963	0.963	- 0.000

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	11.0	0.0	0.0	0.001	23.1	0 12:07	0.275
502_(C-STRM)	0.000	4.3	0.0	0.0	0.002	48.2	0 12:13	1.361
503_(C-STRM)	0.000	3.6	0.0	0.0	0.002	48.7	0 12:13	1.037
504_(C-STRM)	0.000	12.5	0.0	0.0	0.001	46.7	0 12:13	0.951
505_(C-STRM)	0.000	10.8	0.0	0.0	0.002	49.1	0 12:13	0.871
506_(C-STRM)	0.000	11.1	0.0	0.0	0.002	56.1	0 12:12	0.790
507_(C-STRM)	0.000	10.8	0.0	0.0	0.002	56.2	0 12:13	0.606
508_(C-STRM)	0.000	10.8	0.0	0.0	0.002	59.5	0 12:13	0.592
509_(C-STRM)	0.000	11.1	0.0	0.0	0.002	64.4	0 12:13	0.579
510_(C-STRM)	0.000	11.3	0.0	0.0	0.002	65.9	0 12:13	0.571
511_(C-STRM)	0.000	11.4	0.0	0.0	0.002	66.5	0 12:13	0.576
512_(C-STRM)	0.000	11.2	0.0	0.0	0.002	68.2	0 12:13	0.524
513_(C-STRM)	0.000	11.1	0.0	0.0	0.002	67.2	0 12:13	0.555
514_(C-STRM)	0.000	7.6	0.0	0.0	0.002	56.1	0 12:13	0.075
515_(C-STRM)	0.000	7.3	0.0	0.0	0.002	46.6	0 12:13	0.036
516_(C-STRM)	0.000	11.4	0.0	0.0	0.002	68.9	0 12:12	0.373
517_(C-STRM)	0.000	11.7	0.0	0.0	0.002	71.9	0 12:12	0.387
518_(C-STRM)	0.000	12.5	0.0	0.0	0.003	84.0	0 12:08	0.412
519_(C-STRM)	0.000	12.0	0.0	0.0	0.003	79.7	0 12:07	0.157
520_(C-STRM)	0.000	12.6	0.0	0.0	0.002	79.4	0 12:07	0.121
522_(C-STRM)	0.000	10.6	0.0	0.0	0.001	21.7	0 12:04	0.088
525_(C-STRM)	0.000	5.6	0.0	0.0	0.002	65.8	0 12:14	1.282
528_(C-STRM)	0.000	3.8	0.0	0.0	0.002	71.3	0 12:15	1.075
532_(C-STRM)	0.000	2.7	0.0	0.0	0.002	73.4	0 12:15	0.852
536_(C-STRM)	0.000	2.7	0.0	0.0	0.002	74.3	0 12:15	0.735
540_(C-STRM)	0.000	12.4	0.0	0.0	0.003	77.2	0 12:16	0.504
541_(C-STRM)	0.000	11.9	0.0	0.0	0.002	75.4	0 12:16	0.405
551_(C-STRM)	0.000	9.0	0.0	0.0	0.002	46.3	0 12:14	0.245
552_(C-STRM)	0.000	8.8	0.0	0.0	0.002	44.8	0 12:14	0.241
553_(C-STRM)	0.000	9.0	0.0	0.0	0.002	42.8	0 12:15	0.199
554_(C-STRM)	0.000	6.2	0.0	0.0	0.002	38.5	0 12:15	0.098
555_(C-STRM)	0.000	5.8	0.0	0.0	0.001	32.0	0 12:15	0.068
556_(C-STRM)	0.000	5.5	0.0	0.0	0.001	28.1	0 12:15	0.037
601_(C-STRM)	0.000	3.5	0.0	0.0	0.001	28.3	0 12:19	5.495
602_(C-STRM)	0.000	4.0	0.0	0.0	0.002	43.4	0 12:19	5.495
603_(C-STRM)	0.000	3.9	0.0	0.0	0.002	47.6	0 12:19	5.341
604_(C-STRM)	0.000	3.1	0.0	0.0	0.002	43.0	0 12:19	5.341
605_(C-STRM)	0.000	4.8	0.0	0.0	0.002	29.7	0 12:19	0.709

619_(C-STRM)	0.000	2.9	0.0	0.0	0.003	53.6	0	12:18
4.416								
622_(C-STRM)	0.000	3.3	0.0	0.0	0.004	65.6	0	12:18
4.186								
626_(C-STRM)	0.000	7.5	0.0	0.0	0.001	37.5	0	12:18
0.180								
627_(C-STRM)	0.000	7.2	0.0	0.0	0.002	52.0	0	12:18
0.272								
629_(C-STRM)	0.000	3.4	0.0	0.0	0.003	64.5	0	12:17
3.219								
630_(C-STRM)	0.000	3.3	0.0	0.0	0.003	66.2	0	12:17
3.222								
630A_(C-STRM)	0.000	3.5	0.0	0.0	0.003	70.4	0	12:17
2.989								
633_(C-STRM)	0.002	0.4	0.0	24.9	0.126	35.4	0	12:01
0.377								
634_(C-STRM)	0.000	7.0	0.0	0.0	0.003	69.3	0	12:17
0.705								
637_(C-STRM)	0.004	0.4	0.0	24.8	0.481	43.7	0	12:01
0.974								
643_(C-STRM)	0.000	7.7	0.0	0.0	0.003	76.3	0	12:17
0.524								
644_(C-STRM)	0.000	7.9	0.0	0.0	0.003	69.9	0	12:17
0.106								
645_(C-STRM)	0.000	2.7	0.0	0.0	0.003	71.5	0	12:16
0.924								
646_(C-STRM)	0.000	2.7	0.0	0.0	0.003	76.7	0	12:16
0.804								
647_(C-STRM)	0.000	2.8	0.0	0.0	0.003	82.9	0	12:16
0.645								
650_(C-STRM)	0.000	2.8	0.0	0.0	0.003	50.2	0	12:18
4.414								
651_(C-STRM)	0.000	3.1	0.0	0.0	0.003	49.4	0	12:18
4.414								
652_(C-STRM)	0.000	3.2	0.0	0.0	0.003	47.8	0	12:18
4.677								
Filter_Bed	0.644	19.3	0.0	0.0	2.059	61.7	0	12:06
6.666								
Industrial_NORTH	0.011	0.4	0.0	0.0	1.301	52.0	0	12:05
2.455								
Industrial_South	0.005	0.7	0.0	0.0	0.522	69.6	0	12:04
0.529								
MTD_(C-STRM)	0.000	9.3	0.0	0.0	0.002	54.9	0	12:13
2.587								
OVERFLOW_(C-STRM)	0.000	14.2	0.0	0.0	0.001	37.5	0	12:07
2.590								
PARK	0.003	0.5	0.0	0.0	0.172	34.4	0	12:17
0.154								
POND_(C-STRM)	12.916	35.7	0.0	0.0	31.592	87.2	0	13:07
1.060								
S_504-503	0.000	0.3	0.0	0.0	0.017	30.8	0	12:01
0.059								
S_525-MTD	0.002	0.4	0.0	0.0	0.219	38.2	0	12:00
0.581								
S_528-525	0.002	0.3	0.0	0.0	0.225	38.8	0	12:01
0.545								
S_532-528	0.001	0.3	0.0	0.0	0.095	32.5	0	12:00
0.328								
S_536-532	0.002	0.4	0.0	0.0	0.218	51.0	0	12:00
0.704								
S_540-536	0.001	0.4	0.0	0.0	0.088	43.1	0	12:00
0.351								
S_545-541	0.005	0.4	0.0	0.0	0.536	45.7	0	12:01
1.033								
S_607-605	0.011	0.5	0.0	24.2	1.181	51.8	0	12:02
1.606								
S_620-619	0.002	0.4	0.0	23.1	0.215	50.0	0	12:00
0.694								
S_622-619	0.001	0.3	0.0	24.6	0.176	39.9	0	12:01
0.355								
S_623-622	0.002	0.4	0.0	23.1	0.261	52.4	0	12:00
0.793								
S_627-630	0.001	0.2	0.0	26.4	0.079	30.8	0	12:00
0.284								
S_652-604	0.002	0.3	0.0	0.0	0.296	39.9	0	12:00
0.709								
Woodlot_North	0.009	1.8	0.0	0.0	0.362	72.4	0	12:36
0.141								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	8.65	0.258	0.635	3.862
OF2	48.26	0.003	0.139	0.269
OF3	97.30	0.065	1.414	10.877
ST4_108A_(P-Stm)	97.48	0.256	0.424	43.196
System	62.92	0.583	1.721	58.203

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.158	0 12:01	1.52	2.35	0.77
BDR-C2	CONDUIT	0.298	0 12:04	2.48	5.70	0.91
BDR-C3	CONDUIT	0.415	0 12:14	3.07	2.12	0.65
BDR-C4	CONDUIT	0.985	0 12:02	2.73	0.32	0.36
C1	CHANNEL	0.119	0 12:00	0.26	0.05	0.45
C1_1	CHANNEL	0.308	0 12:00	0.49	0.12	0.47
C1_11	CHANNEL	1.549	0 12:01	1.97	0.17	0.50
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.19
C1_3	CHANNEL	0.009	0 12:02	0.09	0.00	0.25
C1_4	CHANNEL	0.425	0 12:00	0.80	0.10	0.39
C1_5	CHANNEL	0.397	0 12:00	0.80	0.08	0.38
C1_6	CHANNEL	0.415	0 12:01	0.87	0.10	0.37
C1_7	CHANNEL	0.401	0 12:02	1.37	0.07	0.33
C1_8	CHANNEL	0.223	0 12:00	0.50	0.05	0.38
C1_9	CHANNEL	1.080	0 12:01	1.55	0.15	0.47
C2	CHANNEL	0.090	0 12:00	0.95	0.01	0.18
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.142	0 12:01	0.74	0.04	0.31
C2_11	CHANNEL	0.136	0 12:03	0.85	0.05	0.54
C2_12	CHANNEL	0.794	0 12:00	0.67	0.50	0.73
C2_13	CHANNEL	0.748	0 12:01	0.61	0.37	0.80
C2_14	CHANNEL	2.065	0 12:03	1.14	0.73	0.89
C2_15	CHANNEL	2.053	0 12:04	1.34	0.73	0.82
C2_16	CHANNEL	1.466	0 12:01	1.49	0.31	0.69
C2_18	CHANNEL	0.066	0 12:00	0.16	0.03	0.37
C2_2	CHANNEL	0.286	0 12:00	0.74	0.09	0.48
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.20
C2_4	CHANNEL	0.718	0 12:00	0.86	0.21	0.67
C2_5	CHANNEL	0.047	0 12:01	0.08	0.03	0.53
C2_7	CHANNEL	0.114	0 12:01	0.79	0.03	0.33
C2_8	CHANNEL	0.146	0 12:00	0.63	0.05	0.32
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.12
C3	CONDUIT	0.874	0 12:01	0.77	0.17	0.37
C3_2	CHANNEL	0.096	0 12:04	0.37	0.06	0.35
C3_6	CHANNEL	0.072	0 12:04	0.33	0.05	0.35
C3_7	CHANNEL	0.134	0 12:00	0.44	0.08	0.39
C4	CONDUIT	1.326	0 12:01	0.98	0.22	0.44
C4_5	CHANNEL	0.336	0 12:04	0.30	0.23	0.88
C4_6	CHANNEL	3.352	0 12:03	2.07	0.56	0.90
C4_7	CHANNEL	1.402	0 12:10	0.68	0.87	1.00
C5	CONDUIT	1.533	0 12:01	0.99	0.30	0.50
C5_1	CHANNEL	0.178	0 12:00	0.36	0.04	0.17
C5_10	CHANNEL	0.159	0 12:03	0.59	0.05	0.26
C5_11	CHANNEL	0.172	0 12:12	0.25	0.06	0.46
C5_12	CHANNEL	1.414	0 12:00	1.36	0.12	0.35
C5_13	CHANNEL	0.157	0 12:05	0.60	0.04	0.31
C5_14	CHANNEL	0.191	0 12:16	0.20	0.13	0.55
C5_15	CHANNEL	0.296	0 12:08	0.49	0.08	0.35
C5_16	CHANNEL	0.292	0 12:12	0.46	0.07	0.28
C5_17	CHANNEL	0.298	0 12:17	0.25	0.03	0.33
C5_18	CHANNEL	1.380	0 12:02	1.17	0.52	0.77
C5_19	CHANNEL	0.298	0 12:05	0.53	0.20	0.31
C5_2	CHANNEL	0.169	0 12:02	0.65	0.02	0.21
C5_20	CHANNEL	0.334	0 12:17	0.39	0.03	0.26
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.39
C5_23	CHANNEL	0.177	0 12:00	0.35	0.04	0.18
C5_24	CHANNEL	1.356	0 12:03	1.30	0.50	0.73
C5_25	CHANNEL	1.448	0 12:03	1.11	0.37	0.81
C5_3	CHANNEL	0.176	0 12:00	0.58	0.01	0.22
C5_4	CHANNEL	0.167	0 12:03	0.54	0.01	0.17
C5_5	CHANNEL	0.166	0 12:04	0.54	0.01	0.17
C5_6	CHANNEL	0.168	0 12:03	0.82	0.01	0.13
C5_7	CHANNEL	0.419	0 12:20	0.57	0.04	0.30
C5_8	CHANNEL	0.376	0 12:06	0.24	0.03	0.52
C5_9	CHANNEL	0.866	0 12:03	0.76	0.07	0.37
C6	CONDUIT	1.802	0 12:02	1.13	0.36	0.57
C7	CONDUIT	4.534	0 12:05	2.03	0.60	0.72
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT		0.373	0 11:52	1.09	0.99	1.00
C-STRM-1_(1)_(C-STRM) CONDUIT		0.387	0 12:08	1.11	1.19	1.00
C-STRM-1_(C-STRM)	CONDUIT	0.412	0 12:07	1.46	1.73	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.275	0 12:07	1.42	0.63	0.65
C-STRM-101_(C-STRM)	CONDUIT	0.275	0 12:07	1.65	0.63	0.57
C-STRM-102_(C-STRM)	CONDUIT	2.340	0 12:16	3.34	1.21	0.97
C-STRM-105_(C-STRM)	CONDUIT	0.923	0 12:26	1.45	1.31	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.524	0 12:26	1.19	1.22	1.00
C-STRM-107_(1)_(C-STRM) CONDUIT		4.677	0 12:18	2.19	1.32	1.00
C-STRM-107_(C-STRM)	CONDUIT	4.414	0 12:18	2.06	1.25	1.00
C-STRM-2_(1)_(C-STRM) CONDUIT		0.524	0 12:12	1.46	0.93	1.00
C-STRM-2_(C-STRM)	CONDUIT	0.531	0 12:09	1.48	0.94	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.180	0 12:26	1.80	0.63	1.00
C-STRM-21_(C-STRM)	CONDUIT	0.272	0 12:25	1.43	0.89	1.00
C-STRM-22_(1)_(C-STRM) CONDUIT		3.219	0 12:17	1.82	1.18	1.00
C-STRM-22_(C-STRM)	CONDUIT	3.222	0 12:17	1.84	1.18	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.705	0 12:26	1.32	1.27	1.00
C-STRM-26_(1)_(C-STRM) CONDUIT		0.245	0 12:15	0.80	0.73	1.00
C-STRM-26_(C-STRM)	CONDUIT	0.241	0 12:15	0.79	0.72	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.790	0 12:12	1.79	1.69	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.606	0 12:14	1.69	1.02	1.00
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT		0.592	0 12:14	1.65	0.99	1.00
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT		0.579	0 12:13	1.62	0.98	1.00
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT		0.571	0 12:13	1.60	1.01	1.00
C-STRM-3_(1)_(C-STRM) CONDUIT		0.576	0 12:12	1.70	1.02	1.00
C-STRM-33_(1)_(C-STRM) CONDUIT		0.804	0 12:26	1.26	1.14	1.00
C-STRM-33_(C-STRM)	CONDUIT	0.645	0 12:26	1.21	0.92	1.00
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT		0.098	0 11:53	0.61	0.57	1.00
C-STRM-34_(1)_(C-STRM) CONDUIT		0.052	0 11:54	0.41	0.30	1.00
C-STRM-35_(1)_(C-STRM) CONDUIT		0.191	0 12:15	1.00	0.78	1.00
C-STRM-35_(C-STRM)	CONDUIT	0.122	0 11:51	0.55	0.49	1.00
C-STRM-4_(1)_(C-STRM) CONDUIT		0.951	0 12:13	2.27	1.10	0.90
C-STRM-4_(C-STRM)	CONDUIT	0.871	0 12:13	1.97	1.11	1.00
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT		4.414	0 12:18	2.06	1.25	1.00
C-STRM-46_(1)_(C-STRM) CONDUIT		4.416	0 12:18	2.07	1.25	1.00
C-STRM-49_(C-STRM)	CONDUIT	0.405	0 12:28	0.80	0.73	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.504	0 12:23	0.94	0.91	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.735	0 12:23	1.16	1.05	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.852	0 12:23	1.14	0.98	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.075	0 12:23	1.44	1.24	1.00
C-STRM-57_(C-STRM)	CONDUIT	1.037	0 12:13	1.39	1.20	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.106	0 12:31	0.78	0.74	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.121	0 11:46	0.97	0.94	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.157	0 12:13	0.72	0.94	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0 12:04	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.282	0 12:25	1.72	1.28	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.587	0 12:15	2.99	1.34	1.00
C-STRM-78_(C-STRM)	CONDUIT	1.361	0 12:14	1.82	1.11	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT		5.341	0 12:19	2.10	1.47	1.00
C-STRM-79_(C-STRM)	CONDUIT	0.709	0 12:27	1.66	1.01	1.00
C-STRM-8_(1)_(C-STRM) CONDUIT		0.075	0 12:24	0.41	0.39	1.00
C-STRM-8_(C-STRM)	CONDUIT	0.039	0 11:56	0.34	0.31	1.00
C-STRM-80_(C-STRM)	CONDUIT	5.341	0 12:19	2.10	1.47	1.00
C-STRM-81_(C-STRM)	CONDUIT	5.495	0 12:19	2.39	1.51	0.85
C-STRM-82_(C-STRM)	CONDUIT	5.495	0 12:19	3.02	1.51	0.67
C-STRM-83_(1)_(C-STRM) CONDUIT		2.989	0 12:16	1.84	1.09	1.00
C-STRM-84_(C-STRM)	CONDUIT	4.186	0 12:17	1.96	1.19	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.084	0 11:51	0.81	0.95	1.00
CVR-C2	CONDUIT	0.167	0 12:04	2.37	0.62	0.46
CVR-C3	CONDUIT	0.420	0 12:18	3.98	2.58	0.78
CVR-C4	CONDUIT	0.867	0 12:02	2.84	0.28	0.31
ST4-Pipe_-_(99)_(P-Stm) CONDUIT		0.424	0 13:08	1.36	0.44	1.00
W1	CHANNEL	6.640	0 12:06	1.27	0.03	0.07
OR1	ORIFICE	0.355	0 13:07			1.00
OR2	ORIFICE	0.070	0 13:07			0.45
W10	WEIR	0.578	0 12:01			0.30
W11	WEIR	0.245	0 11:58			0.19
W12	WEIR	0.445	0 12:00			0.25
W13	WEIR	0.655	0 12:01			0.32
W14	WEIR	0.238	0 12:00			0.19
W15	WEIR	0.482	0 12:00			0.30
W16	WEIR	0.221	0 12:00			0.16
W17	WEIR	0.134	0 12:00			0.23
W2	WEIR	0.635	0 13:07			0.38
W3	WEIR	0.037	0 11:55			0.14
W4	WEIR	0.179	0 12:00			0.14
W5	WEIR	0.389	0 12:00			0.23
W6	WEIR	0.533	0 12:00			0.32
W7	WEIR	0.450	0 12:00			0.29
W8	WEIR	0.899	0 12:02			0.40
W9	WEIR	0.171	0 12:00			0.25
C-STRM-108_(1)_(C-STRM) DUMMY		0.126	0 11:50			
C-STRM-14_(1)_(C-STRM) DUMMY		0.664	0 11:46			
C-STRM-27_(C-STRM)	DUMMY	0.248	0 11:46			
C-STRM-42_(C-STRM)	DUMMY	0.378	0 11:46			
C-STRM-44_(1)_(C-STRM) DUMMY		0.192	0 11:46			
C-STRM-45_(1)_(C-STRM) DUMMY		0.233	0 11:46			
C-STRM-61_(C-STRM)	DUMMY	0.374	0 11:46			
C-STRM-71_(C-STRM)	DUMMY	0.529	0 11:47			
C-STRM-83_(C-STRM)	DUMMY	2.455	0 11:49			
C-STRM-93_(C-STRM)	DUMMY	0.113	0 11:46			
C-STRM-96_(1)_(C-STRM) DUMMY		0.222	0 11:46			
C-STRM-97_(1)_(C-STRM) DUMMY		0.107	0 11:46			
C-STRM-98_(1)_(C-STRM) DUMMY		0.211	0 11:46			
OL1	DUMMY	0.175	0 11:47			
OL10	DUMMY	0.026	0 01:46			
OL11	DUMMY	0.086	0 11:45			
OL12	DUMMY	0.242	0 11:45			
OL13	DUMMY	0.056	0 11:45			
OL14	DUMMY	0.215	0 11:46			
OL15	DUMMY	0.342	0 11:46			
OL16	DUMMY	0.088	0 11:45			
OL17	DUMMY	0.123	0 11:45			
OL18	DUMMY	0.014	0 11:45			
OL19	DUMMY	0.056	0 11:45			
OL2	DUMMY	0.197	0 11:45			
OL20	DUMMY	0.022	0 11:46			
OL21	DUMMY	0.154	0 11:52			
OL22	DUMMY	0.021	0 11:45			
OL3	DUMMY	0.048	0 11:45			
OL4	DUMMY	0.092	0 11:45			
OL5	DUMMY	0.087	0 11:45			
OL6	DUMMY	0.141	0 11:52			
OL7	DUMMY	0.099	0 11:47			
OL8	DUMMY	0.264	0 11:46			
OL9	DUMMY	0.062	0 11:46			

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Flow Classification Summary
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	Adjusted	Fraction of Time in Flow Class			

Conduit	/Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.44	0.00
BDR-C2	1.00	0.02	0.00	0.00	0.96	0.02	0.00	0.00	0.32	0.00
BDR-C3	1.00	0.02	0.00	0.00	0.38	0.59	0.00	0.00	0.01	0.00
BDR-C4	1.00	0.02	0.00	0.00	0.34	0.63	0.00	0.00	0.68	0.00
C1	1.00	0.49	0.02	0.00	0.49	0.00	0.00	0.00	0.77	0.00
C1_1	1.00	0.49	0.01	0.00	0.50	0.00	0.00	0.00	0.76	0.00
C1_11	1.00	0.51	0.01	0.00	0.46	0.03	0.00	0.00	0.73	0.00
C1_2	1.00	0.51	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.02	0.22	0.00	0.67	0.08	0.00	0.00	0.00	0.00
C1_4	1.00	0.02	0.49	0.00	0.48	0.01	0.00	0.00	0.75	0.00
C1_5	1.00	0.51	0.00	0.00	0.45	0.04	0.00	0.00	0.76	0.00
C1_6	1.00	0.24	0.00	0.00	0.75	0.01	0.00	0.00	0.75	0.00
C1_7	1.00	0.02	0.22	0.00	0.50	0.25	0.00	0.00	0.00	0.00
C1_8	1.00	0.51	0.01	0.00	0.46	0.03	0.00	0.00	0.76	0.00
C1_9	1.00	0.50	0.01	0.00	0.43	0.06	0.00	0.00	0.72	0.00
C2	1.00	0.51	0.00	0.00	0.00	0.00	0.00	0.49	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.23	0.00	0.00	0.76	0.01	0.00	0.00	0.75	0.00
C2_11	1.00	0.03	0.22	0.00	0.51	0.24	0.00	0.00	0.01	0.00
C2_12	1.00	0.03	0.49	0.00	0.48	0.01	0.00	0.00	0.75	0.00
C2_13	1.00	0.02	0.22	0.00	0.64	0.12	0.00	0.00	0.01	0.00
C2_14	1.00	0.02	0.49	0.00	0.48	0.01	0.00	0.00	0.75	0.00
C2_15	1.00	0.02	0.22	0.00	0.59	0.17	0.00	0.00	0.01	0.00
C2_16	1.00	0.51	0.00	0.00	0.44	0.05	0.00	0.00	0.02	0.00
C2_18	1.00	0.02	0.22	0.00	0.43	0.32	0.00	0.00	0.01	0.00
C2_2	1.00	0.02	0.49	0.00	0.48	0.01	0.00	0.00	0.75	0.00
C2_3	1.00	0.51	0.49	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.24	0.00	0.00	0.76	0.00	0.00	0.00	0.75	0.00
C2_5	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00
C2_7	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00
C2_8	1.00	0.02	0.49	0.00	0.46	0.02	0.00	0.00	0.75	0.00
C2_9	1.00	0.25	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	0.81	0.07	0.00	0.12	0.00	0.00	0.00	0.75	0.00
C3_2	1.00	0.02	0.22	0.00	0.61	0.15	0.00	0.00	0.01	0.00
C3_6	1.00	0.51	0.01	0.00	0.48	0.00	0.00	0.00	0.03	0.00
C3_7	1.00	0.51	0.01	0.00	0.49	0.00	0.00	0.00	0.76	0.00
C4	1.00	0.74	0.07	0.00	0.19	0.00	0.00	0.00	0.75	0.00
C4_5	1.00	0.25	0.00	0.00	0.75	0.00	0.00	0.00	0.75	0.00
C4_6	1.00	0.02	0.49	0.00	0.47	0.02	0.00	0.00	0.75	0.00
C4_7	1.00	0.24	0.01	0.00	0.72	0.03	0.00	0.00	0.00	0.00
C5	1.00	0.67	0.08	0.00	0.26	0.00	0.00	0.00	0.75	0.00
C5_1	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.52	0.00
C5_10	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.91	0.00
C5_11	1.00	0.03	0.01	0.00	0.97	0.00	0.00	0.00	0.95	0.00
C5_12	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.03	0.00	0.00	0.60	0.37	0.00	0.00	0.01	0.00
C5_14	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.32	0.00
C5_15	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.94	0.00
C5_16	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.02	0.03	0.00	0.95	0.00	0.00	0.00	0.92	0.00
C5_18	1.00	0.25	0.00	0.00	0.75	0.01	0.00	0.00	0.75	0.00
C5_19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.36	0.00
C5_2	1.00	0.04	0.00	0.00	0.71	0.25	0.00	0.00	0.00	0.00
C5_20	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_21	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.03	0.00	0.00	0.87	0.10	0.00	0.00	0.75	0.00
C5_24	1.00	0.25	0.00	0.00	0.75	0.01	0.00	0.00	0.75	0.00
C5_25	1.00	0.02	0.22	0.00	0.33	0.43	0.00	0.00	0.01	0.00
C5_3	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C5_4	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.94	0.00
C5_5	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.07	0.00
C5_6	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.60	0.00
C5_7	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_8	1.00	0.02	0.04	0.00	0.94	0.00	0.00	0.00	0.94	0.00
C5_9	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C6	1.00	0.25	0.42	0.00	0.33	0.00	0.00	0.00	0.75	0.00
C7	1.00	0.24	0.00	0.00	0.00	0.00	0.00	0.76	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.03	0.01	0.00	0.97	0.00	0.00	0.00	0.08	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.40	0.00
C-STRM-1_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.11	0.51	0.00	0.31	0.00	0.00	0.07	0.67	0.00
C-STRM-101_(C-STRM)	1.00	0.11	0.00	0.00	0.22	0.00	0.00	0.67	0.04	0.00
C-STRM-102_(C-STRM)	1.00	0.02	0.00	0.00	0.93	0.04	0.00	0.00	0.05	0.00
C-STRM-105_(C-STRM)	1.00	0.02	0.00	0.00	0.03	0.00	0.00	0.95	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.23	0.00	0.00	0.03	0.00	0.00	0.74	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.05	0.00	0.00	0.92	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.32	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.43	0.00
C-STRM-2_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.68	0.00
C-STRM-20_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-21_(C-STRM)	1.00	0.24	0.00	0.00	0.01	0.00	0.00	0.75	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.78	0.00
C-STRM-23_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.75	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.07	0.00	0.00	0.90	0.02	0.00
C-STRM-26_(C-STRM)	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.89	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.01
0.37 0.00										
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.02	0.00	0.00	0.95	0.00	
0.00										
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.50	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.30	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.23	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.95	0.00	0.00	0.02	0.36	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.91	0.00
C-STRM-33_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.80	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.74	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.25	0.70	0.00	0.06	0.00	0.00	0.00	0.74	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.03	0.83	0.00	0.14	0.00	0.01	0.00	0.74	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.03	0.01	0.00	0.82	0.14	0.00	0.00	0.50	0.00
C-STRM-45_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.64	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.44	0.00
C-STRM-49_(C-STRM)	1.00	0.03	0.25	0.00	0.72	0.00	0.00	0.00	0.90	0.00
C-STRM-50_(C-STRM)	1.00	0.03	0.00	0.00	0.04	0.00	0.00	0.93	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.03	0.00	0.00	0.07	0.00	0.00	0.90	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.65	0.00
C-STRM-53_(C-STRM)	1.00	0.03	0.13	0.00	0.85	0.00	0.00	0.00	0.43	0.00
C-STRM-57_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.33	0.00
C-STRM-60_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.74	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.03	0.00	0.00	0.01	0.00	0.00	0.96	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.03	0.00	0.00	0.11	0.00	0.00	0.86	0.04	0.00
C-STRM-64_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.03	0.00	0.00	0.63	0.00	0.00	0.34	0.10	0.00
C-STRM-77_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.01	0.00	0.00	0.27	0.00
C-STRM-78_(C-STRM)	1.00	0.02	0.00	0.00	0.62	0.00	0.00	0.35	0.09	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.42	0.00
C-STRM-79_(C-STRM)	1.00	0.24	0.00	0.00	0.02	0.00	0.00	0.75	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.24	0.01	0.00	0.02	0.00	0.00	0.73	0.00	0.00
C-STRM-8_(C-STRM)	1.00	0.25	0.00	0.00	0.01	0.00	0.00	0.74	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.57	0.00
C-STRM-81_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.45	0.00
C-STRM-82_(C-STRM)	1.00	0.03	0.00	0.00	0.32	0.00	0.00	0.66	0.01	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.24	0.00
C-STRM-84_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.36	0.00
C-STRM-87_(C-STRM)	1.00	0.98	0.00	0.00	0.02	0.00	0.00	0.00	0.74	0.00
CVR-C2	1.00	0.05	0.00	0.00	0.51	0.43	0.00	0.00	0.78	0.00
CVR-C3	1.00	0.02	0.00	0.00	0.09	0.88	0.00	0.00	0.09	0.00
CVR-C4	1.00	0.02	0.00	0.00	0.29	0.69	0.00	0.00	0.10	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.02	0.00	0.00	0.83	0.00	0.00	0.15	0.00	0.00
W1	1.00	0.74	0.00	0.00	0.08	0.00	0.00	0.18	0.00	0.00

****
Conduit Surcharge Summary
****

Conduit	Hours Full Both Ends	Hours Full Upstream	Hours Full Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	1.06	0.01	2.03	0.01
BDR-C2	0.01	0.53	0.01	2.94	0.01
BDR-C3	0.01	0.01	0.01	0.87	0.01

Conduit	Hours Full Both Ends	Hours Full Upstream	Hours Full Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
C4_5	0.01	0.01	0.17	0.01	0.01
C4_6	0.01	0.01	0.21	0.01	0.01
C4_7	0.17	0.17	0.21	0.01	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.51	0.51	0.53	0.01	0.34
C-STRM-1_(1)_(C-STRM)	0.51	0.55	0.51	0.40	0.35
C-STRM-1_(C-STRM)	0.54	0.61	0.54	0.47	0.42
C-STRM-102_(C-STRM)	0.01	0.16	0.01	0.60	0.01
C-STRM-105_(C-STRM)	0.70	0.70	0.71	0.14	0.12
C-STRM-106_(C-STRM)	0.68	0.68	0.69	0.39	0.63
C-STRM-107_(1)_(C-STRM)	0.60	0.66	0.60	0.63	0.60
C-STRM-107_(C-STRM)	0.66	0.68	0.66	0.59	0.66
C-STRM-2_(1)_(C-STRM)	0.54	0.55	0.54	0.01	0.54
C-STRM-2_(C-STRM)	0.53	0.53	0.55	0.01	0.01
C-STRM-20_(C-STRM)	0.41	0.41	0.56	0.01	0.01
C-STRM-21_(C-STRM)	0.56	0.56	0.59	0.01	0.01
C-STRM-22_(1)_(C-STRM)	0.66	0.66	0.66	0.53	0.54
C-STRM-22_(C-STRM)	0.65	0.65	0.66	0.57	0.55
C-STRM-23_(C-STRM)	0.69	0.69	0.70	0.17	0.62
C-STRM-26_(1)_(C-STRM)	0.70	0.70	0.72	0.01	0.01
C-STRM-26_(C-STRM)	0.66	0.66	0.70	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.52	0.52	0.52	0.53	0.02	0.47
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.52	0.53	0.52	0.05	0.41
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.53	0.55	0.53	0.01	0.51
C-STRM-3_(1)_(1)_(C-STRM)	0.55	0.58	0.55	0.01	0.55
C-STRM-3_(1)_(2)_(C-STRM)	0.54	0.54	0.58	0.07	0.10
C-STRM-3_(1)_(C-STRM)	0.54	0.54	0.54	0.11	0.30
C-STRM-33_(1)_(C-STRM)	0.69	0.70	0.70	0.11	0.12
C-STRM-33_(C-STRM)	0.68	0.68	0.70	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.46	0.46	0.53	0.01	0.01
C-STRM-34_(1)_(C-STRM)	0.38	0.38	0.46	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.61	0.61	0.66	0.01	0.01
C-STRM-35_(C-STRM)	0.53	0.53	0.61	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.49	0.01	0.35	0.01
C-STRM-4_(C-STRM)	0.49	0.53	0.49	0.32	0.49
C-STRM-46_(1)_(C-STRM)	0.67	0.68	0.68	0.59	0.67
C-STRM-46_(1)_(C-STRM)	0.68	0.70	0.68	0.58	0.68
C-STRM-49_(C-STRM)	0.74	0.74	0.74	0.01	0.01
C-STRM-50_(C-STRM)	0.74	0.74	0.74	0.01	0.67
C-STRM-51_(C-STRM)	0.74	0.74	0.74	0.29	0.74
C-STRM-52_(C-STRM)	0.74	0.74	0.75	0.01	0.67
C-STRM-53_(C-STRM)	0.74	0.75	0.74	0.63	0.74
C-STRM-57_(C-STRM)	0.72	0.73	0.72	0.49	0.72
C-STRM-60_(C-STRM)	0.66	0.66	0.68	0.01	0.01
C-STRM-62_(C-STRM)	0.53	0.53	0.57	0.01	0.01
C-STRM-63_(C-STRM)	0.57	0.57	0.61	0.01	0.01
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.19	0.01
C-STRM-76_(C-STRM)	0.73	0.74	0.73	0.66	0.73
C-STRM-77_(C-STRM)	0.16	0.73	0.16	0.65	0.16
C-STRM-78_(C-STRM)	0.72	0.72	0.73	0.33	0.68
C-STRM-79_(1)_(C-STRM)	0.42	0.60	0.42	0.71	0.42
C-STRM-79_(C-STRM)	0.59	0.59	0.60	0.01	0.02
C-STRM-8_(1)_(C-STRM)	0.43	0.43	0.52	0.01	0.01
C-STRM-8_(C-STRM)	0.36	0.36	0.43	0.01	0.01
C-STRM-80_(C-STRM)	0.16	0.42	0.16	0.71	0.16
C-STRM-81_(C-STRM)	0.01	0.16	0.01	0.73	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.73	0.01
C-STRM-83_(1)_(C-STRM)	0.65	0.65	0.65	0.54	0.56
C-STRM-84_(C-STRM)	0.70	0.71	0.70	0.54	0.70
C-STRM-87_(C-STRM)	0.65	0.65	0.66	0.01	0.01
CVR-C3	0.01	1.21	0.01	1.49	0.01
ST4-Pipe_-_(99)_(P-Stm)	0.42	0.42	0.50	0.01	0.01

Analysis begun on: Thu Jun 25 09:02:47 2026
Analysis ended on: Thu Jun 25 09:04:11 2026
Total elapsed time: 00:01:24

Post-Development 1:2 year 3-hour Chicago Event

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************

  Name                Data Source                 Data       Recording
                                                  Type       Interval
  ----------------------------------------------------------------------
  24SCS100            24SCS100                    INTENSITY   15 min.
  6SCS050             6SCS050                     INTENSITY   15 min.
  Rainfall            CHI_3hr_2                   INTENSITY   10 min.


  *********************
  Subcatchment Summary
  *********************
  Name                Area     Width   %Imperv    %Slope Rain Gage           Outlet
  ----------------------------------------------------------------------------------
--------------
  A15_1               1.31     13.10     18.98    0.5000 Rainfall            EXD_8
  A15_2               2.15     13.10     18.98    0.5000 Rainfall            EXD_12
  A18                 0.59    338.21     39.12    0.5000 Rainfall            EXD_25
  A19                 1.11    332.78     22.32    0.5000 Rainfall            EXD_20
  A20                 4.83    279.76      8.37    1.5000 Rainfall            EXD_15
  NULL3               0.57    312.75     83.33    1.4500 Rainfall            EXD_27
  S1                  6.51   1465.85     64.29    2.0000 Rainfall            S_607-605
  S1_1                0.09    154.58     71.43    2.0000 Rainfall            J19
  S1_2                0.14    147.72     71.43    2.0000 Rainfall            J21
  S10_1               1.84    414.84     64.29    2.0000 Rainfall            S_620-619
  S10_2               2.13    479.37     64.29    2.0000 Rainfall            S_623-622
  S10_4               0.74    165.67     64.29    2.0000 Rainfall            S_627-630
  S10_5               1.26    284.06     64.29    2.0000 Rainfall            S_622-619
  S11                 3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                 0.44    346.44     71.43    2.0000 Rainfall            J2
  S14_1               0.60    371.55     71.43    2.0000 Rainfall            J27
  S14_3               1.06    381.29     71.43    2.0000 Rainfall            J57
  S14_4               0.31    138.84     71.43    2.0000 Rainfall            J47
  S14_5               1.69    653.02     71.43    2.0000 Rainfall            J28
  S14_6               0.28    141.02     71.43    2.0000 Rainfall            J58
  S14_7               1.19    549.94     71.43    2.0000 Rainfall            J60
  S14_8               0.43    191.40     71.43    2.0000 Rainfall            J50
  S15                 1.64    368.26     64.29    2.0000 Rainfall            S_525-MTD
  S16_1               0.46     16.60    100.00    0.5000 Rainfall            EXD_10
  S16_2               0.99     16.60    100.00    0.5000 Rainfall            EXD_8
  S17                 6.26    202.00      3.33    0.5000 Rainfall            EXD_7
  S18_2               3.35    754.05     67.14    2.0000 Rainfall            S_545-541
  S18_3               1.66    372.76     67.14    2.0000 Rainfall            S_528-525
  S18_4               0.88    197.06     67.14    2.0000 Rainfall            S_540-536
  S18_5               1.83    412.02     67.14    2.0000 Rainfall            S_536-532
  S18_6               0.84    188.96     67.14    2.0000 Rainfall            S_532-528
  S19                 0.97    462.04     71.43    2.0000 Rainfall            J35
  S2                  0.37    154.58     71.43    2.0000 Rainfall            J20
  S2_1                3.14    707.17     67.14    2.0000 Rainfall            637_(C-
STRM)
  S2_2                1.01    228.16     67.14    2.0000 Rainfall            633_(C-
STRM)
  S20_1               0.45    284.74     71.43    2.0000 Rainfall            J42
  S20_2               0.24    137.80     71.43    2.0000 Rainfall            J38
  S3                  2.12    476.98     64.29    2.0000 Rainfall            S_652-604
  S32_1               0.43    369.16     71.43    2.0000 Rainfall            J43
  S32_2               0.16     35.80     64.29    2.0000 Rainfall            S_504-503
  S36                 1.82     21.00    100.00    0.5000 Rainfall            EXD_10
  S4                 13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                  3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                  0.34    261.05     57.14    2.0000 Rainfall            OF2
  S7                  3.99    402.80     85.71    0.5000 Rainfall            POND_(C-
STRM)
  S8                  1.60    121.93     35.71    2.0000 Rainfall            PARK


  ************
  Node Summary
  ************

  Name                Type                 Invert     Max.    Ponded    External
                                            Elev.     Depth     Area    Inflow
  ----------------------------------------------------------------------------
  EXD_1               JUNCTION            104.39      1.51       0.0
  EXD_10              JUNCTION             98.65      1.20       0.0
  EXD_11              JUNCTION             98.50      1.20       0.0
  EXD_12              JUNCTION             98.31      1.20       0.0
  EXD_13              JUNCTION            104.32      1.10       0.0
  EXD_14              JUNCTION            102.49      0.80       0.0
  EXD_15              JUNCTION            100.27      0.80       0.0
  EXD_16              JUNCTION            100.20      0.80       0.0
  EXD_17              JUNCTION             99.89      0.80       0.0
  EXD_18              JUNCTION             99.40      0.84       0.0
  EXD_19              JUNCTION             99.19      0.88       0.0
  EXD_2               JUNCTION            103.47      1.93       0.0
  EXD_20              JUNCTION             99.19      0.88       0.0
  EXD_21              JUNCTION             99.18      0.88       0.0
  EXD_22              JUNCTION             99.14      0.88       0.0
  EXD_23              JUNCTION             98.75      1.14       0.0
  EXD_24              JUNCTION             98.67      1.14       0.0
  EXD_25              JUNCTION             98.52      1.13       0.0
  EXD_26              JUNCTION             98.48      1.13       0.0
  EXD_27              JUNCTION             98.17      1.20       0.0
  EXD_3               JUNCTION            103.19      1.41       0.0
  EXD_4               JUNCTION            102.64      1.20       0.0
  EXD_5               JUNCTION            102.50      1.20       0.0
  EXD_6               JUNCTION            102.32      1.08       0.0
  EXD_7               JUNCTION            101.50      1.06       0.0
  EXD_8               JUNCTION            100.48      1.06       0.0
  EXD_9               JUNCTION            100.39      1.06       0.0
  J1                  JUNCTION            103.45      0.50       0.0
  J13                 JUNCTION            103.30      0.50       0.0
  J17                 JUNCTION            104.37      1.04       0.0
  J19                 JUNCTION            105.60      0.50       0.0
  J2                  JUNCTION            109.00      0.50       0.0
  J20                 JUNCTION            105.80      0.50       0.0
  J21                 JUNCTION            105.90      0.50       0.0
  J22                 JUNCTION            106.00      0.50       0.0
  J23                 JUNCTION            106.20      0.50       0.0
  J27                 JUNCTION            109.00      0.50       0.0
  J28                 JUNCTION            108.80      0.50       0.0
  J3                  JUNCTION            103.70      0.50       0.0
  J31                 JUNCTION            106.00      0.50       0.0
  J35                 JUNCTION            104.70      0.50       0.0
  J36                 JUNCTION            104.93      0.50       0.0
  J37                 JUNCTION            104.65      0.50       0.0
  J38                 JUNCTION            104.60      0.50       0.0
  J39                 JUNCTION            104.45      0.50       0.0
  J4                  JUNCTION            103.60      0.50       0.0
  J40                 JUNCTION            103.20      0.50       0.0
  J42                 JUNCTION            104.20      0.50       0.0
  J43                 JUNCTION            104.50      0.50       0.0
  J45                 JUNCTION            104.60      0.50       0.0
  J46                 JUNCTION            105.10      0.50       0.0
  J47                 JUNCTION            105.75      0.50       0.0
  J49                 JUNCTION            105.30      0.50       0.0
  J5                  JUNCTION            103.50      0.50       0.0
  J50                 JUNCTION            106.75      0.50       0.0
  J51                 JUNCTION            109.75      0.50       0.0
  J52                 JUNCTION            109.00      0.50       0.0
  J55                 JUNCTION            109.10      0.50       0.0
  J56                 JUNCTION            108.47      0.50       0.0
  J57                 JUNCTION            108.40      0.50       0.0
  J58                 JUNCTION            108.00      0.50       0.0
  J6                  JUNCTION            103.40      0.50       0.0
  J60                 JUNCTION            107.00      0.50       0.0
  J61                 JUNCTION            106.50      0.50       0.0
  J62                 JUNCTION            105.70      0.50       0.0
  J63                 JUNCTION            105.20      0.50       0.0
  J66                 JUNCTION            107.75      0.50       0.0
  J67                 JUNCTION            107.50      0.50       0.0
  J74                 JUNCTION             98.45      0.90       0.0
  OF1                 OUTFALL             100.80      0.00       0.0
  OF2                 OUTFALL               0.00      0.00       0.0
  OF3                 OUTFALL              98.00      1.06       0.0
  ST4_108A_(P-Stm)    OUTFALL              98.02      1.19       0.0
  500_(C-STRM)        STORAGE             100.37      2.79       0.0
  502_(C-STRM)        STORAGE             100.57      3.70       0.0
  503_(C-STRM)        STORAGE             100.61      3.91       0.0
  504_(C-STRM)        STORAGE             103.06      2.80       0.0
  505_(C-STRM)        STORAGE             103.48      3.27       0.0
  506_(C-STRM)        STORAGE             103.83      3.15       0.0
  507_(C-STRM)        STORAGE             104.17      3.19       0.0
  508_(C-STRM)        STORAGE             104.39      3.18       0.0
  509_(C-STRM)        STORAGE             104.62      3.12       0.0
  510_(C-STRM)        STORAGE             104.87      3.06       0.0
  511_(C-STRM)        STORAGE             104.94      3.06       0.0
  512_(C-STRM)        STORAGE             105.14      3.10       0.0
  513_(C-STRM)        STORAGE             105.27      3.12       0.0
  514_(C-STRM)        STORAGE             105.61      3.13       0.0
  515_(C-STRM)        STORAGE             105.88      3.22       0.0
  516_(C-STRM)        STORAGE             105.48      3.03       0.0
  517_(C-STRM)        STORAGE             105.64      3.00       0.0
  518_(C-STRM)        STORAGE             105.88      2.90       0.0
  519_(C-STRM)        STORAGE             106.10      2.79       0.0
  520_(C-STRM)        STORAGE             106.37      2.63       0.0
  522_(C-STRM)        STORAGE             104.31      3.00       0.0
  525_(C-STRM)        STORAGE             100.58      2.72       0.0
  528_(C-STRM)        STORAGE             100.70      2.71       0.0
  532_(C-STRM)        STORAGE             100.80      2.70       0.0
  536_(C-STRM)        STORAGE             100.95      2.65       0.0
  540_(C-STRM)        STORAGE             100.83      2.87       0.0
  541_(C-STRM)        STORAGE             100.91      2.92       0.0
  551_(C-STRM)        STORAGE             100.67      3.79       0.0
  552_(C-STRM)        STORAGE             100.77      3.86       0.0
  553_(C-STRM)        STORAGE             100.96      3.76       0.0
  554_(C-STRM)        STORAGE             101.08      3.89       0.0
  555_(C-STRM)        STORAGE             101.27      4.08       0.0
  556_(C-STRM)        STORAGE             101.39      4.21       0.0
  601_(C-STRM)        STORAGE             100.43      4.45       0.0
  602_(C-STRM)        STORAGE             100.48      4.16       0.0
  603_(C-STRM)        STORAGE             100.55      3.99       0.0
  604_(C-STRM)        STORAGE             100.63      5.14       0.0
  605_(C-STRM)        STORAGE             101.38      5.35       0.0
  619_(C-STRM)        STORAGE             101.12      5.40       0.0
  622_(C-STRM)        STORAGE             101.24      4.78       0.0
  626_(C-STRM)        STORAGE             104.00      3.20       0.0
  627_(C-STRM)        STORAGE             103.20      3.50       0.0
  629_(C-STRM)        STORAGE             101.71      4.40       0.0
  630_(C-STRM)        STORAGE             101.83      4.37       0.0
  630A_(C-STRM)       STORAGE             101.88      4.12       0.0
  633_(C-STRM)        STORAGE             105.30      0.50       0.0
  634_(C-STRM)        STORAGE             101.88      3.82       0.0
  637_(C-STRM)        STORAGE             105.35      0.50       0.0
  643_(C-STRM)        STORAGE             102.07      3.45       0.0
  644_(C-STRM)        STORAGE             102.54      3.17       0.0
  645_(C-STRM)        STORAGE             102.30      3.61       0.0
  646_(C-STRM)        STORAGE             102.43      3.34       0.0
  647_(C-STRM)        STORAGE             102.57      3.03       0.0
  650_(C-STRM)        STORAGE             100.99      5.17       0.0
  651_(C-STRM)        STORAGE             100.89      4.99       0.0
  652_(C-STRM)        STORAGE             100.87      4.97       0.0
  Filter_Bed          STORAGE             100.10      1.48       0.0
  Industrial_NORTH    STORAGE             105.20      0.50       0.0
  Industrial_South    STORAGE             105.00      0.50       0.0
  MTD_(C-STRM)        STORAGE             100.36      3.02       0.0
  OVERFLOW_(C-STRM)   STORAGE             100.17      2.83       0.0
  PARK                STORAGE             105.36      0.50       0.0
  POND_(C-STRM)       STORAGE              98.45      2.65       0.0    Yes
  S_504-503           STORAGE             105.75      0.50       0.0
  S_525-MTD           STORAGE             103.45      0.50       0.0
  S_528-525           STORAGE             103.50      0.50       0.0
  S_532-528           STORAGE             103.65      0.50       0.0
  S_536-532           STORAGE             103.70      0.50       0.0
  S_540-536           STORAGE             103.85      0.50       0.0
  S_545-541           STORAGE             103.90      0.50       0.0
  S_607-605           STORAGE             107.90      0.50       0.0
  S_620-619           STORAGE             106.90      0.50       0.0
  S_622-619           STORAGE             106.00      0.50       0.0
  S_623-622           STORAGE             106.50      0.50       0.0
  S_627-630           STORAGE             106.70      0.50       0.0
  S_652-604           STORAGE             105.85      0.50       0.0
  Woodlot_North       STORAGE             106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                From Node       To Node         Type            Length    %Slope
Roughness
  ----------------------------------------------------------------------------------
-
  BDR-C1              EXD_15          EXD_16          CONDUIT           17.7    0.3844
0.0250
  BDR-C2              EXD_20          EXD_21          CONDUIT            7.9    0.0632
0.0130
  BDR-C3              EXD_25          EXD_26          CONDUIT           14.2    0.2683
0.0130
  BDR-C4              EXD_12          EXD_27          CONDUIT           23.0    0.6077
0.0130
  C1                  J27             J28             CONDUIT          185.8    0.1077
0.0130
  C1_1                J28             J57             CONDUIT          329.5    0.1214
0.0130
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  C1_11             J47             J43             CONDUIT          75.0    1.6661
0.0130
  C1_2              J55             J57             CONDUIT         190.6    0.3672
0.0130
  C1_3              J56             J57             CONDUIT          40.0    0.1748
0.0130
  C1_4              J58             J66             CONDUIT          70.2    0.3562
0.0130
  C1_5              J57             J58             CONDUIT          76.8    0.5205
0.0130
  C1_6              J66             J67             CONDUIT          70.0    0.3571
0.0130
  C1_7              J67             J60             CONDUIT          69.8    0.7166
0.0130
  C1_8              J60             J50             CONDUIT          73.0    0.3424
0.0130
  C1_9              J50             J47             CONDUIT          92.6    1.0800
0.0130
  C2                J2              EXD_1           CONDUIT         173.2    1.9632
0.0130
  C2_1              J51             J52             CONDUIT          39.5    1.8977
0.0130
  C2_10             J63             J36             CONDUIT          39.5    0.6883
0.0130
  C2_11             J36             J35             CONDUIT          72.0    0.3166
0.0130
  C2_12             J35             J37             CONDUIT          45.5    0.1098
0.0130
  C2_13             J37             J38             CONDUIT          28.9    0.1729
0.0130
  C2_14             J38             J39             CONDUIT          44.0    0.3457
0.0130
  C2_15             J39             J42             CONDUIT          72.0    0.3442
0.0130
  C2_16             J43             J42             CONDUIT          31.1    0.9633
0.0130
  C2_18             J45             J43             CONDUIT          70.2    0.1425
0.0130
  C2_2              J60             J61             CONDUIT          75.0    0.6666
0.0130
  C2_3              J52             J60             CONDUIT         165.4    1.2090
0.0130
  C2_4              J61             J31             CONDUIT          72.0    0.6944
0.0130
  C2_5              J23             J31             CONDUIT         163.3    0.1225
0.0130
  C2_7              J23             J22             CONDUIT          27.9    0.7165
0.0130
  C2_8              J19             J63             CONDUIT         110.8    0.3610
0.0130
  C2_9              J46             J45             CONDUIT          93.4    0.5355
0.0130
  C3                J3              J4              CONDUIT          72.6    0.1378
0.0130
  C3_2              J22             J21             CONDUIT          73.0    0.1370
0.0130
  C3_6              J21             J20             CONDUIT          75.8    0.1319
0.0130
  C3_7              J20             J19             CONDUIT         112.3    0.1781
0.0130
  C4                J4              J5              CONDUIT          49.7    0.2012
0.0130
  C4_5              J1              J13             CONDUIT         118.4    0.1267
0.0130
  C4_6              J42             J40             CONDUIT          45.9    2.1776
0.0130
  C4_7              J13             J40             CONDUIT          64.4    0.1553
0.0130
  C5                J5              J6              CONDUIT          68.4    0.1461
0.0130
  C5_1              EXD_1           J17             CONDUIT          19.0    0.1054
0.0250
  C5_10             EXD_16          EXD_17          CONDUIT          81.0    0.3866
0.0250
  C5_11             EXD_18          EXD_19          CONDUIT         109.9    0.1893
0.0250
  C5_12             EXD_27          OF3             CONDUIT          27.1    0.6098
0.0250
  C5_13             EXD_17          EXD_18          CONDUIT          99.9    0.4876
0.0250
  C5_14             EXD_19          EXD_20          CONDUIT          12.7    0.0550
0.0250
  C5_15             EXD_22          EXD_23          CONDUIT         101.7    0.3893
0.0250
  C5_16             EXD_23          EXD_24          CONDUIT         102.4    0.0781
0.0250
  C5_17             EXD_24          EXD_25          CONDUIT          54.8    0.2645
0.0250
  C5_18             J31             J62             CONDUIT          71.0    0.4225
0.0130
  C5_19             EXD_21          EXD_22          CONDUIT          66.3    0.0558
0.0250
  C5_2              EXD_2           EXD_3           CONDUIT          95.1    0.2933
0.0250
  C5_20             EXD_26          EXD_27          CONDUIT         121.0    0.2645
0.0250
  C5_21             EXD_14          EXD_15          CONDUIT         142.1    1.5626
0.0250
  C5_23             J17             EXD_13          CONDUIT          37.0    0.1299
0.0250
  C5_24             J62             J49             CONDUIT          91.3    0.4382
0.0130
  C5_25             J49             J38             CONDUIT          76.5    0.9152
0.0130
  C5_3              EXD_13          EXD_2           CONDUIT         104.3    0.8195
0.0250
  C5_4              EXD_4           EXD_5           CONDUIT          16.6    0.8880
0.0250
  C5_5              EXD_6           EXD_7           CONDUIT         104.5    0.7893
0.0250
  C5_6              EXD_3           EXD_4           CONDUIT          61.7    0.8871
0.0250
  C5_7              EXD_9           EXD_10          CONDUIT         284.4    0.6091
0.0250
  C5_8              EXD_7           EXD_8           CONDUIT         165.7    0.6095
0.0250
  C5_9              EXD_11          EXD_12          CONDUIT          31.7    0.6087
0.0250
  C6                J6              J13             CONDUIT          71.5    0.1398
0.0130
  C7                J40             Filter_Bed      CONDUIT          63.6    0.3144
0.0130
  C-STRM-1_(1)_(1)_(C-STRM) 516_(C-STRM)     513_(C-STRM)     CONDUIT          106.6    0.1998
0.0130
  C-STRM-1_(1)_(C-STRM) 517_(C-STRM)     516_(C-STRM)     CONDUIT          106.0    0.1500
0.0130
  C-STRM-1_(C-STRM) 518_(C-STRM)     517_(C-STRM)     CONDUIT          106.6    0.1500
0.0130
  C-STRM-100_(C-STRM) OVERFLOW_(C-STRM) 500_(C-STRM)     CONDUIT           26.4    0.4998
0.0130
  C-STRM-101_(C-STRM) 500_(C-STRM)     POND_(C-STRM)    CONDUIT           12.9    0.5021
0.0130
  C-STRM-102_(C-STRM) OVERFLOW_(C-STRM) Filter_Bed       CONDUIT           14.0    0.5008
0.0130
  C-STRM-105_(C-STRM) 645_(C-STRM)     630A_(C-STRM)    CONDUIT           73.9    0.1502
0.0130
  C-STRM-106_(C-STRM) 643_(C-STRM)     634_(C-STRM)     CONDUIT           72.0    0.1500
0.0130
  C-STRM-107_(1)_(C-STRM) 652_(C-STRM)     604_(C-STRM)     CONDUIT           61.9    0.1502
0.0130
  C-STRM-107_(C-STRM) 651_(C-STRM)     652_(C-STRM)     CONDUIT           10.7    0.1495
0.0130
  C-STRM-2_(1)_(C-STRM) 512_(C-STRM)     511_(C-STRM)     CONDUIT           44.5    0.4498
0.0130
  C-STRM-2_(C-STRM) 513_(C-STRM)     512_(C-STRM)     CONDUIT           29.3    0.4502
0.0130
  C-STRM-20_(C-STRM) 626_(C-STRM)     627_(C-STRM)     CONDUIT           72.4    1.0002
0.0130
  C-STRM-21_(C-STRM) 627_(C-STRM)     630_(C-STRM)     CONDUIT           74.3    0.4995
0.0130
  C-STRM-22_(1)_(C-STRM) 629_(C-STRM)     622_(C-STRM)     CONDUIT           81.4    0.1499
0.0130
  C-STRM-22_(C-STRM) 630_(C-STRM)     629_(C-STRM)     CONDUIT           82.1    0.1498
0.0130
  C-STRM-23_(C-STRM) 634_(C-STRM)     622_(C-STRM)     CONDUIT           72.0    0.1500
0.0130
  C-STRM-26_(1)_(C-STRM) 551_(C-STRM)     502_(C-STRM)     CONDUIT           60.8    0.1613
0.0130
  C-STRM-26_(C-STRM) 552_(C-STRM)     551_(C-STRM)     CONDUIT           60.3    0.1593
0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) 506_(C-STRM)     505_(C-STRM)     CONDUIT
70.0    0.4998    0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) 507_(C-STRM)     506_(C-STRM)     CONDUIT           51.7
0.5005    0.0130
  C-STRM-3_(1)_(1)_(1)_(C-STRM) 508_(C-STRM)     507_(C-STRM)     CONDUIT           45.5
0.5011    0.0130
  C-STRM-3_(1)_(1)_(C-STRM) 509_(C-STRM)     508_(C-STRM)     CONDUIT           45.5    0.4989
0.0130
  C-STRM-3_(1)_(2)_(C-STRM) 510_(C-STRM)     509_(C-STRM)     CONDUIT           55.7    0.4507
0.0130
  C-STRM-3_(1)_(C-STRM) 511_(C-STRM)     510_(C-STRM)     CONDUIT           14.5    0.4469
0.0130
  C-STRM-33_(1)_(C-STRM) 646_(C-STRM)     645_(C-STRM)     CONDUIT           91.0    0.1505
0.0130
  C-STRM-33_(C-STRM) 647_(C-STRM)     646_(C-STRM)     CONDUIT           92.9    0.1496
0.0130
  C-STRM-34_(1)_(1)_(C-STRM) 555_(C-STRM)     554_(C-STRM)     CONDUIT           75.2
0.1596    0.0130
  C-STRM-34_(1)_(C-STRM) 556_(C-STRM)     555_(C-STRM)     CONDUIT           75.2    0.1596
0.0130
  C-STRM-35_(1)_(C-STRM) 553_(C-STRM)     552_(C-STRM)     CONDUIT           72.1    0.1596
0.0130
  C-STRM-35_(C-STRM) 554_(C-STRM)     553_(C-STRM)     CONDUIT           72.0    0.1611
0.0130
  C-STRM-4_(1)_(C-STRM) 504_(C-STRM)     503_(C-STRM)     CONDUIT           83.2    0.6007
0.0130
  C-STRM-4_(C-STRM) 505_(C-STRM)     504_(C-STRM)     CONDUIT           84.0    0.4998
0.0130
  C-STRM-46_(1)_(1)_(C-STRM) 650_(C-STRM)     651_(C-STRM)     CONDUIT           68.0
0.1500    0.0130
  C-STRM-46_(1)_(C-STRM) 619_(C-STRM)     650_(C-STRM)     CONDUIT           89.7    0.1506
0.0130
  C-STRM-49_(C-STRM) 541_(C-STRM)     540_(C-STRM)     CONDUIT           47.7    0.1508
0.0130
  C-STRM-50_(C-STRM) 540_(C-STRM)     536_(C-STRM)     CONDUIT           72.0    0.1500
0.0130
  C-STRM-51_(C-STRM) 536_(C-STRM)     532_(C-STRM)     CONDUIT           48.5    0.1505
0.0130
  C-STRM-52_(C-STRM) 532_(C-STRM)     528_(C-STRM)     CONDUIT           69.0    0.1507
0.0130
  C-STRM-53_(C-STRM) 528_(C-STRM)     525_(C-STRM)     CONDUIT           75.0    0.1493
0.0130
  C-STRM-57_(C-STRM) 503_(C-STRM)     502_(C-STRM)     CONDUIT           27.5    0.1489
0.0130
  C-STRM-60_(C-STRM) 644_(C-STRM)     643_(C-STRM)     CONDUIT           67.2    0.2486
0.0130
  C-STRM-62_(C-STRM) 520_(C-STRM)     519_(C-STRM)     CONDUIT           95.9    0.2003
0.0130
  C-STRM-63_(C-STRM) 519_(C-STRM)     518_(C-STRM)     CONDUIT           97.4    0.1498
0.0130
  C-STRM-64_(C-STRM) 522_(C-STRM)     EXD_1            CONDUIT           81.9    0.2504
0.0130
  C-STRM-76_(C-STRM) 525_(C-STRM)     MTD_(C-STRM)     CONDUIT           72.6    0.1998
0.0130
  C-STRM-77_(C-STRM) MTD_(C-STRM)     OVERFLOW_(C-STRM) CONDUIT           38.5    0.4986
0.0130
  C-STRM-78_(C-STRM) 502_(C-STRM)     MTD_(C-STRM)     CONDUIT           44.0    0.3003
0.0130
  C-STRM-79_(1)_(C-STRM) 604_(C-STRM)     603_(C-STRM)     CONDUIT           72.0    0.1000
0.0130
  C-STRM-79_(C-STRM) 605_(C-STRM)     604_(C-STRM)     CONDUIT           89.5    0.1508
0.0130
  C-STRM-8_(1)_(C-STRM) 514_(C-STRM)     513_(C-STRM)     CONDUIT           95.2    0.1997
0.0130
  C-STRM-8_(C-STRM) 515_(C-STRM)     514_(C-STRM)     CONDUIT           95.1    0.1997
0.0130
  C-STRM-80_(C-STRM) 603_(C-STRM)     602_(C-STRM)     CONDUIT           74.3    0.0996
0.0130
  C-STRM-81_(C-STRM) 602_(C-STRM)     601_(C-STRM)     CONDUIT           46.7    0.1007
0.0130
  C-STRM-82_(C-STRM) 601_(C-STRM)     POND_(C-STRM)    CONDUIT           33.0    0.1000
0.0130
  C-STRM-83_(1)_(C-STRM) 630A_(C-STRM)    630_(C-STRM)     CONDUIT           27.1    0.1513
0.0130
  C-STRM-84_(C-STRM) 622_(C-STRM)     619_(C-STRM)     CONDUIT           75.0    0.1493
0.0130
  C-STRM-87_(C-STRM) 645_(C-STRM)     644_(C-STRM)     CONDUIT           68.6    0.2494
0.0130
  CVR-C2            EXD_5           EXD_6           CONDUIT          19.8    0.8875
0.0130
  CVR-C3            EXD_8           EXD_9           CONDUIT          16.4    0.6114
0.0130
  CVR-C4            EXD_10          EXD_11          CONDUIT          25.4    0.6110
0.0130
  ST4-Pipe_-_(99)_(P-Stm) J74             ST4_108A_(P-Stm) CONDUIT           49.3    0.2840
0.0130
  W1                Filter_Bed      POND_(C-STRM)    CONDUIT           4.9    0.0063
0.0250
  OR1               POND_(C-STRM)   J74             ORIFICE
  OR2               POND_(C-STRM)   J74             ORIFICE
  W10               637_(C-STRM)    J35             WEIR
  W11               633_(C-STRM)    J49             WEIR
  W12               S_652-604       J47             WEIR
  W13               S_545-541       J3              WEIR
  W14               S_540-536       J3              WEIR
  W15               S_536-532       J4              WEIR
  W16               S_532-528       J5              WEIR
  W17               S_528-525       J6              WEIR
  W2                POND_(C-STRM)   OF1             WEIR
  W3                S_507-503       J47             WEIR
  W4                S_627-630       J23             WEIR
  W5                S_525-MTD       J13             WEIR
  W6                S_623-622       J31             WEIR
  W7                S_620-619       J61             WEIR
  W8                S_607-605       J50             WEIR
  W9                S_622-619       J31             WEIR
  C-STRM-108_(1)_(C-STRM) 633_(C-STRM)     634_(C-STRM)     OUTLET
  C-STRM-14_(1)_(C-STRM) S_607-605        605_(C-STRM)     OUTLET
  C-STRM-27_(C-STRM) S_623-622        622_(C-STRM)     OUTLET
  C-STRM-42_(C-STRM) S_545-541        541_(C-STRM)     OUTLET
  C-STRM-44_(1)_(C-STRM) S_525-MTD        525_(C-STRM)     OUTLET
  C-STRM-45_(1)_(C-STRM) S_620-619        619_(C-STRM)     OUTLET
  C-STRM-61_(C-STRM) 637_(C-STRM)     643_(C-STRM)     OUTLET
  C-STRM-71_(C-STRM) Industrial_South 647_(C-STRM)     OUTLET
  C-STRM-83_(C-STRM) Industrial_NORTH 630A_(C-STRM)    OUTLET
  C-STRM-93_(C-STRM) S_540-536        540_(C-STRM)     OUTLET
  C-STRM-96_(1)_(C-STRM) S_536-532        536_(C-STRM)     OUTLET
  C-STRM-97_(1)_(C-STRM) S_532-528        532_(C-STRM)     OUTLET
  C-STRM-98_(1)_(C-STRM) S_528-525        528_(C-STRM)     OUTLET
  OL1               S_622-619       622_(C-STRM)     OUTLET
  OL10              Filter_Bed      POND_(C-STRM)    OUTLET
  OL11              J50             505_(C-STRM)     OUTLET
  OL12              J60             506_(C-STRM)     OUTLET
  OL13              J58             511_(C-STRM)     OUTLET
  OL14              J57             513_(C-STRM)     OUTLET
  OL15              J28             518_(C-STRM)     OUTLET
  OL16              J2              522_(C-STRM)     OUTLET
  OL17              J27             520_(C-STRM)     OUTLET
  OL18              J19             647_(C-STRM)     OUTLET
  OL19              J20             646_(C-STRM)     OUTLET
  OL2               J35             553_(C-STRM)     OUTLET
  OL20              S_504-503       504_(C-STRM)     OUTLET
  OL21              PARK            602_(C-STRM)     OUTLET
  OL22              J21             645_(C-STRM)     OUTLET
  OL3               J38             552_(C-STRM)     OUTLET
  OL4               J42             502_(C-STRM)     OUTLET
  OL5               J43             503_(C-STRM)     OUTLET
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OL6	Woodlot_North	626_(C-STRM)	OUTLET	
OL7	S_627-630	627_(C-STRM)	OUTLET	
OL8	S_652-604	652_(C-STRM)	OUTLET	
OL9	J47	504_(C-STRM)	OUTLET	

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-200_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2387	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4815	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7213	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1130	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912

0.3975 0.4038 0.4101 0.4147 0.4188
0.4228 0.4269 0.4309 0.4350 0.4390
0.4430 0.4471 0.4511 0.4552 0.4592
0.4633 0.4673 0.4719 0.4786 0.4852
0.4919 0.4986 0.5052 0.5119 0.5186
0.5252 0.5375 0.5591 0.5808 0.6126
0.6529 0.7560 0.7953 0.8372 1.0000

Transect Barnsdale_UPST5
Area:
0.0011 0.0046 0.0104 0.0185 0.0278
0.0383 0.0495 0.0612 0.0736 0.0865
0.1000 0.1141 0.1288 0.1443 0.1606
0.1778 0.1959 0.2143 0.2330 0.2518
0.2709 0.2903 0.3099 0.3296 0.3497
0.3699 0.3904 0.4111 0.4319 0.4530
0.4743 0.4958 0.5175 0.5395 0.5616
0.5839 0.6064 0.6292 0.6521 0.6753
0.6991 0.7235 0.7484 0.7740 0.8019
0.8364 0.8742 0.9142 0.9560 1.0000
Hrad:
0.0248 0.0493 0.0735 0.1040 0.1389
0.1735 0.2124 0.2498 0.2859 0.3209
0.3550 0.3881 0.4187 0.4434 0.4680
0.4924 0.5212 0.5606 0.5992 0.6372
0.6745 0.7111 0.7472 0.7827 0.8176
0.8520 0.8860 0.9202 0.9539 0.9872
1.0201 1.0525 1.0845 1.1162 1.1474
1.1784 1.2090 1.2392 1.2691 1.2876
1.2994 1.3117 1.3244 1.3163 1.1702
1.0461 1.0307 1.0260 1.0309 1.0000
Width:
0.0497 0.0999 0.1518 0.1903 0.2141
0.2355 0.2481 0.2607 0.2733 0.2859
0.2985 0.3111 0.3252 0.3438 0.3625
0.3813 0.3961 0.4010 0.4059 0.4108
0.4157 0.4206 0.4255 0.4303 0.4352
0.4401 0.4450 0.4494 0.4538 0.4583
0.4627 0.4716 0.4761 0.4805 0.4850
0.4850 0.4894 0.4938 0.4983 0.5078
0.5204 0.5330 0.5457 0.5684 0.6711
0.7919 0.8423 0.8866 0.9238 1.0000

Transect Barnsdale_UPST6
Area:
0.0014 0.0054 0.0102 0.0156 0.0217
0.0284 0.0356 0.0434 0.0517 0.0605
0.0698 0.0796 0.0899 0.1007 0.1121
0.1243 0.1373 0.1512 0.1656 0.1807
0.1962 0.2123 0.2291 0.2483 0.2703
0.2945 0.3189 0.3434 0.3680 0.3929
0.4178 0.4430 0.4687 0.4947 0.5212
0.5482 0.5760 0.6046 0.6335 0.6626
0.6921 0.7218 0.7518 0.7820 0.8133
0.8461 0.8801 0.9163 0.9564 1.0000
Hrad:
0.0226 0.0600 0.0982 0.1332 0.1659
0.1974 0.2291 0.2613 0.2925 0.3228
0.3524 0.3813 0.4096 0.4373 0.4557
0.4729 0.4908 0.5133 0.5388 0.5667
0.5954 0.6238 0.6186 0.5790 0.5404
0.5828 0.6246 0.6659 0.7067 0.7469
0.7867 0.8189 0.8502 0.8811 0.9116
0.9331 0.9497 0.9763 1.0109 1.0452
1.0791 1.1126 1.1458 1.1787 1.1574
1.1642 1.1570 1.1256 1.0602 1.0000
Width:
0.0656 0.0958 0.1094 0.1231 0.1368
0.1501 0.1622 0.1729 0.1837 0.1944
0.2052 0.2159 0.2267 0.2377 0.2539
0.2715 0.2891 0.3043 0.3175 0.3291
0.3399 0.3507 0.3819 0.4435 0.5186
0.5219 0.5251 0.5284 0.5317 0.5350
0.5382 0.5468 0.5558 0.5647 0.5737
0.5886 0.6068 0.6185 0.6243 0.6301
0.6359 0.6475 0.6534 0.6932 0.7170
0.7170 0.7512 0.8061 0.8978 1.0000

Transect Barnsdale_UPST7
Area:
0.0031 0.0077 0.0135 0.0206 0.0292
0.0385 0.0485 0.0590 0.0699 0.0811
0.0928 0.1047 0.1170 0.1297 0.1427
0.1561 0.1700 0.1843 0.1992 0.2145
0.2304 0.2467 0.2636 0.2810 0.3005
0.3224 0.3464 0.3708 0.3955 0.4204
0.4456 0.4710 0.4972 0.5239 0.5510
0.5784 0.6060 0.6340 0.6622 0.6907
0.7195 0.7487 0.7782 0.8081 0.8383
0.8691 0.9003 0.9322 0.9647 1.0000
Hrad:
0.0323 0.0624 0.0905 0.1084 0.1375
0.1686 0.1997 0.2314 0.2650 0.2977
0.3296 0.3608 0.3913 0.4212 0.4493
0.4751 0.5005 0.5247 0.5476 0.5703
0.5929 0.6154 0.6378 0.6601 0.5891
0.5938 0.5928 0.6266 0.6599 0.6927
0.7252 0.7701 0.7705 0.7948 0.8255
0.8559 0.8860 0.9157 0.9452 0.9727
1.0000 1.0270 1.0538 1.0784 1.1003
1.1221 1.1420 1.1557 1.1624 1.0000
Width:
0.0999 0.1304 0.1570 0.1994 0.2229
0.2396 0.2541 0.2664 0.2751 0.2837
0.2923 0.3010 0.3096 0.3183 0.3279
0.3390 0.3501 0.3618 0.3745 0.3872
0.3998 0.4124 0.4251 0.4377 0.5266
0.5610 0.6032 0.6092 0.6153 0.6213
0.6274 0.6399 0.6563 0.6692 0.6761
0.6830 0.6899 0.6967 0.7036 0.7118
0.7199 0.7281 0.7362 0.7458 0.7573
0.7688 0.7817 0.7991 0.8220 1.0000

Transect GBR
Area:
0.0002 0.0008 0.0018 0.0032 0.0051
0.0073 0.0099 0.0130 0.0164 0.0203
0.0245 0.0292 0.0343 0.0401 0.0532
0.0756 0.1002 0.1249 0.1496 0.1742
0.1989 0.2235 0.2482 0.2729 0.2975
0.3222 0.3468 0.3715 0.3962 0.4209
0.4460 0.4715 0.4974 0.5237 0.5505
0.5776 0.6051 0.6331 0.6614 0.6902
0.7193 0.7489 0.7789 0.8092 0.8400
0.8712 0.9028 0.9348 0.9672 1.0000
Hrad:
0.0148 0.0296 0.0444 0.0592 0.0741
0.0889 0.1037 0.1185 0.1333 0.1481
0.1629 0.1777 0.1925 0.1451 0.0889
0.0921 0.1222 0.1522 0.1821 0.2121
0.2420 0.2720 0.3019 0.3318 0.3616
0.3915 0.4213 0.4511 0.4809 0.5106
0.5398 0.5684 0.5963 0.6237 0.6505
0.6768 0.7026 0.7280 0.7529 0.7773
0.8013 0.8249 0.8480 0.8708 0.8932
0.9153 0.9369 0.9583 0.9793 1.0000
Width:
0.0123 0.0246 0.0369 0.0492 0.0614
0.0737 0.0860 0.0983 0.1106 0.1229
0.1352 0.1475 0.1598 0.2496 0.5446
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7542
0.7665 0.7788 0.7911 0.8034 0.8157
0.8280 0.8402 0.8525 0.8648 0.8771
0.8894 0.9017 0.9140 0.9263 0.9386
0.9508 0.9631 0.9754 0.9877 1.0000

Transect Pond_SpillWay
Area:
0.0040 0.0088 0.0142 0.0204 0.0274
0.0350 0.0434 0.0524 0.0622 0.0728
0.0840 0.0960 0.1087 0.1221 0.1362
0.1511 0.1666 0.1829 0.2000 0.2177
0.2362 0.2554 0.2753 0.2959 0.3173
0.3393 0.3621 0.3856 0.4099 0.4348
0.4600 0.4855 0.5113 0.5375 0.5640
0.5908 0.6180 0.6454 0.6732 0.7013
0.7297 0.7585 0.7875 0.8169 0.8466
0.8767 0.9070 0.9377 0.9687 1.0000
Hrad:
0.0187 0.0367 0.0543 0.0716 0.0888
0.1059 0.1230 0.1400 0.1570 0.1740
0.1910 0.2080 0.2251 0.2421 0.2592
0.2763 0.2935 0.3106 0.3278 0.3450
0.3622 0.3795 0.3967 0.4140 0.4313
0.4486 0.4660 0.4833 0.5007 0.5241
0.5500 0.5758 0.6013 0.6266 0.6517
0.6766 0.7013 0.7257 0.7498 0.7737
0.7974 0.8209 0.8441 0.8670 0.8898
0.9123 0.9345 0.9566 0.9784 1.0000
Width:
0.1394 0.1623 0.1853 0.2082 0.2311
0.2541 0.2770 0.2999 0.3229 0.3458
0.3687 0.3917 0.4146 0.4375 0.4605
0.4834 0.5063 0.5293 0.5522 0.5751
0.5981 0.6210 0.6439 0.6669 0.6898
0.7127 0.7357 0.7586 0.7815 0.7956
0.8059 0.8161 0.8263 0.8365 0.8467
0.8569 0.8672 0.8774 0.8876 0.8978
0.9080 0.9183 0.9285 0.9387 0.9489
0.9591 0.9693 0.9796 0.9898 1.0000

Transect ROW_14m
Area:
0.0004 0.0017 0.0038 0.0067 0.0104
0.0150 0.0204 0.0267 0.0338 0.0417
0.0504 0.0600 0.0704 0.0817 0.0938
0.1067 0.1204 0.1350 0.1504 0.1667
0.1838 0.2017 0.2204 0.2400 0.2605
0.2817 0.3038 0.3267 0.3502 0.3738
0.3973 0.4209 0.4446 0.4692 0.4952
0.5225 0.5510 0.5808 0.6118 0.6439
0.6767 0.7100 0.7440 0.7787 0.8140
0.8499 0.8865 0.9237 0.9615 1.0000
Hrad:
0.0169 0.0338 0.0507 0.0677 0.0846
0.1015 0.1184 0.1353 0.1522 0.1692
0.1861 0.2030 0.2199 0.2368 0.2537
0.2707 0.2876 0.3045 0.3214 0.3383
0.3552 0.3722 0.3891 0.4060 0.4229
0.4398 0.4567 0.4736 0.5027 0.5359
0.5691 0.6022 0.6353 0.6667 0.6957
0.7226 0.7474 0.7704 0.7918 0.8123
0.8326 0.8526 0.8721 0.8914 0.9103
0.9289 0.9471 0.9651 0.9827 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6200 0.6529 0.6857
0.7186 0.7514 0.7843 0.8171 0.8357
0.8521 0.8686 0.8850 0.9014 0.9179
0.9343 0.9507 0.9671 0.9836 1.0000

Transect ROW_14m_Mountable
Area:
0.0003 0.0012 0.0028 0.0049 0.0077
0.0111 0.0151 0.0197 0.0249 0.0307
0.0372 0.0442 0.0519 0.0602 0.0691
0.0787 0.0888 0.0996 0.1109 0.1229
0.1355 0.1485 0.1625 0.1770 0.1923
0.2092 0.2277 0.2477 0.2693 0.2924
0.3170 0.3433 0.3711 0.4004 0.4310
0.4626 0.4954 0.5293 0.5642 0.6002
0.6373 0.6755 0.7144 0.7538 0.7936
0.8340 0.8748 0.9160 0.9578 1.0000
Hrad:
0.0222 0.0445 0.0667 0.0889 0.1111
0.1334 0.1556 0.1778 0.2001 0.2223
0.2445 0.2667 0.2890 0.3112 0.3334
0.3556 0.3779 0.4001 0.4223 0.4446
0.4668 0.4890 0.5112 0.5335 0.5550
0.5733 0.5891 0.6029 0.6151 0.6263
0.6367 0.6465 0.6559 0.6653 0.6759
0.6872 0.6992 0.7116 0.7245 0.7378
0.7514 0.7663 0.7966 0.8266 0.8563
0.8856 0.9147 0.9434 0.9719 1.0000
Width:
0.0145 0.0290 0.0434 0.0579 0.0724
0.0869 0.1013 0.1158 0.1303 0.1448
0.1593 0.1737 0.1882 0.2027 0.2172
0.2316 0.2461 0.2606 0.2751 0.2896
0.3040 0.3185 0.3330 0.3475 0.3798
0.4164 0.4530 0.4897 0.5263 0.5629
0.5995 0.6362 0.6728 0.7080 0.7335
0.7591 0.7846 0.8102 0.8357 0.8613
0.8868 0.9114 0.9225 0.9336 0.9446
0.9557 0.9668 0.9779 0.9889 1.0000

Transect ROW_14m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0153 0.0209 0.0273 0.0345 0.0426
0.0516 0.0614 0.0721 0.0836 0.0959
0.1091 0.1232 0.1381 0.1539 0.1705
0.1880 0.2064 0.2255 0.2456 0.2665
0.2882 0.3108 0.3343 0.3583 0.3824
0.4065 0.4306 0.4548 0.4797 0.5055
0.5322 0.5598 0.5883 0.6176 0.6479
0.6791 0.7112 0.7441 0.7780 0.8127
0.8484 0.8850 0.9224 0.9608 1.0000
Hrad:
0.0166 0.0332 0.0498 0.0664 0.0830
0.0997 0.1163 0.1329 0.1495 0.1661
0.1827 0.1993 0.2159 0.2325 0.2491
0.2657 0.2823 0.2990 0.3156 0.3322
0.3488 0.3654 0.3820 0.3986 0.4152
0.4318 0.4484 0.4650 0.4935 0.5262
0.5588 0.5913 0.6238 0.6553 0.6853
0.7137 0.7407 0.7664 0.7909 0.8143
0.8366 0.8579 0.8783 0.8979 0.9166
0.9346 0.9519 0.9685 0.9845 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6160 0.6386 0.6612
0.6838 0.7063 0.7289 0.7515 0.7741
0.7967 0.8193 0.8419 0.8645 0.8871
0.9096 0.9322 0.9548 0.9774 1.0000

Transect ROW_14m-MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0407 0.0484 0.0568 0.0659 0.0757
0.0861 0.0972 0.1089 0.1214 0.1345
0.1483 0.1631 0.1791 0.1963 0.2146
0.2342 0.2549 0.2768 0.2999 0.3242
0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274

0.6618	0.6967	0.7326	0.7693	0.8064
0.8441	0.8823	0.9210	0.9603	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0792	0.0990
0.1188	0.1386	0.1584	0.1782	0.1980
0.2178	0.2376	0.2574	0.2772	0.2971
0.3169	0.3367	0.3565	0.3763	0.3961
0.4159	0.4347	0.4520	0.4681	0.4834
0.4979	0.5119	0.5256	0.5389	0.5521
0.5650	0.5779	0.5907	0.6035	0.6162
0.6289	0.6560	0.6844	0.7123	0.7397
0.7667	0.7933	0.8190	0.8459	0.8726
0.8988	0.9247	0.9501	0.9752	1.0000

Width:

0.0168	0.0336	0.0504	0.0673	0.0841
0.1009	0.1177	0.1345	0.1513	0.1681
0.1849	0.2018	0.2186	0.2354	0.2522
0.2690	0.2858	0.3026	0.3195	0.3363
0.3552	0.3849	0.4146	0.4442	0.4739
0.5036	0.5332	0.5629	0.5926	0.6223
0.6519	0.6816	0.7113	0.7409	0.7706
0.8003	0.8150	0.8279	0.8407	0.8536
0.8664	0.8836	0.9093	0.9229	0.9357
0.9486	0.9614	0.9743	0.9871	1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003	0.0012	0.0027	0.0048	0.0074
0.0107	0.0145	0.0190	0.0240	0.0297
0.0359	0.0428	0.0502	0.0582	0.0668
0.0760	0.0858	0.0962	0.1072	0.1188
0.1309	0.1437	0.1571	0.1710	0.1856
0.2012	0.2183	0.2369	0.2570	0.2786
0.3017	0.3263	0.3524	0.3800	0.4091
0.4397	0.4719	0.5055	0.5406	0.5772
0.6153	0.6544	0.6944	0.7354	0.7772
0.8199	0.8636	0.9082	0.9536	1.0000

Hrad:

0.0233	0.0465	0.0698	0.0931	0.1163
0.1396	0.1628	0.1861	0.2094	0.2326
0.2559	0.2792	0.3024	0.3257	0.3489
0.3722	0.3955	0.4187	0.4420	0.4653
0.4885	0.5118	0.5350	0.5583	0.5816
0.6036	0.6224	0.6386	0.6529	0.6657
0.6773	0.6882	0.6985	0.7084	0.7180
0.7275	0.7370	0.7464	0.7559	0.7655
0.7817	0.8084	0.8343	0.8597	0.8844
0.9085	0.9321	0.9552	0.9779	1.0000

Width:

0.0127	0.0254	0.0380	0.0507	0.0634
0.0761	0.0888	0.1014	0.1141	0.1268
0.1395	0.1522	0.1648	0.1775	0.1902
0.2029	0.2156	0.2283	0.2409	0.2536
0.2663	0.2790	0.2917	0.3043	0.3170
0.3491	0.3812	0.4132	0.4453	0.4774
0.5095	0.5415	0.5736	0.6057	0.6378
0.6698	0.7019	0.7340	0.7661	0.7981
0.8255	0.8448	0.8642	0.8836	0.9030
0.9224	0.9418	0.9612	0.9806	1.0000

Transect ROW_16.5m_PH3

Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0154	0.0210	0.0275	0.0347	0.0429
0.0519	0.0618	0.0725	0.0841	0.0965
0.1098	0.1240	0.1390	0.1548	0.1716
0.1892	0.2076	0.2269	0.2471	0.2677
0.2884	0.3090	0.3297	0.3510	0.3731
0.3962	0.4201	0.4449	0.4705	0.4971
0.5245	0.5527	0.5819	0.6119	0.6428
0.6746	0.7073	0.7408	0.7752	0.8105
0.8466	0.8837	0.9216	0.9603	1.0000

Hrad:

0.0173	0.0347	0.0520	0.0694	0.0867
0.1041	0.1214	0.1388	0.1561	0.1735
0.1908	0.2082	0.2255	0.2429	0.2602
0.2776	0.2949	0.3123	0.3296	0.3470
0.3643	0.3817	0.3990	0.4164	0.4493
0.4834	0.5173	0.5513	0.5844	0.6155
0.6449	0.6727	0.6990	0.7239	0.7475
0.7699	0.7913	0.8116	0.8310	0.8496
0.8673	0.8843	0.9007	0.9164	0.9316
0.9462	0.9603	0.9739	0.9872	1.0000

Width:

0.0214	0.0428	0.0642	0.0856	0.1070
0.1284	0.1498	0.1712	0.1926	0.2140
0.2354	0.2568	0.2782	0.2996	0.3210
0.3424	0.3638	0.3852	0.4066	0.4280
0.4494	0.4708	0.4922	0.5136	0.5152
0.5152	0.5152	0.5200	0.5418	0.5636
0.5855	0.6073	0.6291	0.6509	0.6727
0.6945	0.7164	0.7382	0.7600	0.7818
0.8036	0.8255	0.8473	0.8691	0.8909
0.9127	0.9345	0.9564	0.9782	1.0000

Transect ROW_18m

Area:

0.0004	0.0016	0.0036	0.0064	0.0100
0.0144	0.0196	0.0255	0.0323	0.0399
0.0483	0.0575	0.0675	0.0782	0.0898
0.1022	0.1154	0.1293	0.1441	0.1597
0.1760	0.1932	0.2112	0.2299	0.2495
0.2698	0.2906	0.3114	0.3321	0.3529
0.3742	0.3967	0.4204	0.4452	0.4712
0.4983	0.5266	0.5560	0.5867	0.6184
0.6514	0.6855	0.7207	0.7571	0.7947
0.8335	0.8734	0.9144	0.9566	1.0000

Hrad:

0.0183	0.0366	0.0549	0.0732	0.0915
0.1098	0.1281	0.1464	0.1647	0.1829
0.2012	0.2195	0.2378	0.2561	0.2744
0.2927	0.3110	0.3293	0.3476	0.3659
0.3842	0.4025	0.4208	0.4391	0.4574
0.4757	0.5117	0.5476	0.5834	0.6192
0.6542	0.6864	0.7162	0.7437	0.7692
0.7927	0.8145	0.8348	0.8537	0.8713
0.8877	0.9031	0.9176	0.9313	0.9442
0.9565	0.9681	0.9792	0.9898	1.0000

Width:

0.0182	0.0363	0.0545	0.0726	0.0908
0.1090	0.1271	0.1453	0.1635	0.1816
0.1998	0.2179	0.2361	0.2543	0.2724
0.2906	0.3088	0.3269	0.3451	0.3632
0.3814	0.3996	0.4177	0.4359	0.4541
0.4722	0.4722	0.4722	0.4722	0.4722
0.4986	0.5250	0.5514	0.5778	0.6042
0.6306	0.6833	0.7097	0.7361	0.7625
0.7625	0.7889	0.8153	0.8417	0.8681
0.8944	0.9208	0.9472	0.9736	1.0000

Transect ROW_18m_MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0793	0.0991
0.1189	0.1387	0.1585	0.1783	0.1982
0.2180	0.2378	0.2576	0.2774	0.2972
0.3166	0.3340	0.3498	0.3646	0.3786
0.3921	0.4053	0.4183	0.4311	0.4439
0.4566	0.4770	0.5054	0.5332	0.5603
0.5869	0.6122	0.6360	0.6586	0.6807
0.7040	0.7271	0.7499	0.7723	0.7944
0.8163	0.8378	0.8591	0.8800	0.9007
0.9211	0.9412	0.9611	0.9807	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_MB_2

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0395	0.0593	0.0791	0.0989
0.1186	0.1384	0.1582	0.1780	0.1977
0.2175	0.2373	0.2571	0.2768	0.2966
0.3160	0.3333	0.3491	0.3638	0.3778
0.3913	0.4045	0.4174	0.4302	0.4430
0.4557	0.4760	0.5044	0.5321	0.5592
0.5857	0.6109	0.6347	0.6572	0.6793
0.7027	0.7258	0.7486	0.7711	0.7933
0.8152	0.8368	0.8581	0.8792	0.9000
0.9205	0.9408	0.9608	0.9805	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_Mountable

Area:

0.0003	0.0011	0.0026	0.0046	0.0072
0.0103	0.0140	0.0183	0.0232	0.0286
0.0346	0.0412	0.0484	0.0561	0.0644
0.0733	0.0827	0.0928	0.1034	0.1145
0.1263	0.1386	0.1515	0.1650	0.1799
0.1964	0.2143	0.2337	0.2546	0.2770
0.3009	0.3263	0.3532	0.3816	0.4115
0.4429	0.4758	0.5102	0.5459	0.5826
0.6202	0.6587	0.6981	0.7385	0.7797
0.8219	0.8651	0.9091	0.9541	1.0000

Hrad:

0.0235	0.0471	0.0706	0.0942	0.1177
0.1413	0.1648	0.1884	0.2119	0.2355
0.2590	0.2826	0.3061	0.3297	0.3532
0.3768	0.4003	0.4238	0.4474	0.4709
0.4945	0.5180	0.5416	0.5650	0.5852
0.6022	0.6168	0.6296	0.6410	0.6515
0.6613	0.6707	0.6799	0.6889	0.6979
0.7069	0.7161	0.7253	0.7478	0.7737
0.7989	0.8234	0.8474	0.8707	0.8935
0.9157	0.9375	0.9588	0.9796	1.0000

Width:

0.0124	0.0247	0.0371	0.0494	0.0618
0.0741	0.0865	0.0988	0.1112	0.1235
0.1359	0.1482	0.1606	0.1729	0.1853
0.1976	0.2100	0.2223	0.2347	0.2470
0.2594	0.2717	0.2841	0.3058	0.3381
0.3704	0.4027	0.4349	0.4672	0.4995
0.5318	0.5641	0.5964	0.6287	0.6610
0.6933	0.7255	0.7578	0.7807	0.8006
0.8206	0.8405	0.8604	0.8804	0.9003
0.9202	0.9402	0.9601	0.9801	1.0000

Transect ROW_18m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0154	0.0209	0.0273	0.0346	0.0427
0.0516	0.0614	0.0721	0.0836	0.0960
0.1092	0.1233	0.1382	0.1540	0.1707
0.1882	0.2065	0.2256	0.2447	0.2638
0.2830	0.3026	0.3232	0.3447	0.3670
0.3903	0.4144	0.4394	0.4653	0.4921
0.5197	0.5483	0.5777	0.6080	0.6392
0.6713	0.7043	0.7382	0.7729	0.8085
0.8451	0.8825	0.9208	0.9599	1.0000

Hrad:

0.0179	0.0359	0.0538	0.0717	0.0896
0.1076	0.1255	0.1434	0.1613	0.1793
0.1972	0.2151	0.2330	0.2510	0.2689
0.2868	0.3047	0.3227	0.3406	0.3585
0.3764	0.3944	0.4225	0.4577	0.4928
0.5279	0.5621	0.5942	0.6243	0.6525
0.6791	0.7042	0.7279	0.7504	0.7716
0.7918	0.8110	0.8292	0.8467	0.8634
0.8794	0.8948	0.9095	0.9238	0.9375
0.9508	0.9636	0.9761	0.9882	1.0000

Width:

0.0211	0.0421	0.0632	0.0843	0.1053
0.1264	0.1475	0.1685	0.1896	0.2107
0.2318	0.2528	0.2739	0.2950	0.3160
0.3371	0.3582	0.3792	0.4003	0.4214
0.4424	0.4635	0.4722	0.4722	0.4722
0.4752	0.4971	0.5190	0.5408	0.5627
0.5846	0.6064	0.6283	0.6502	0.6720
0.6939	0.7158	0.7376	0.7595	0.7813
0.8032	0.8251	0.8469	0.8688	0.8907
0.9125	0.9344	0.9563	0.9781	1.0000

Transect ROW_20m

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0193	0.0253	0.0320	0.0395
0.0478	0.0568	0.0667	0.0774	0.0888
0.1011	0.1141	0.1279	0.1425	0.1579
0.1741	0.1911	0.2088	0.2274	0.2464
0.2654	0.2844	0.3034	0.3226	0.3431
0.3646	0.3874	0.4114	0.4365	0.4629
0.4904	0.5191	0.5490	0.5801	0.6123
0.6458	0.6804	0.7162	0.7532	0.7914
0.8307	0.8713	0.9130	0.9559	1.0000

Hrad:

0.0190	0.0380	0.0570	0.0760	0.0950
0.1141	0.1331	0.1521	0.1711	0.1901
0.2091	0.2281	0.2471	0.2661	0.2851
0.3041	0.3231	0.3422	0.3612	0.3802
0.3992	0.4182	0.4372	0.4562	0.4926
0.5299	0.5672	0.6043	0.6411	0.6750
0.7060	0.7344	0.7603	0.7841	0.8059
0.8259	0.8444	0.8615	0.8773	0.8920
0.9057	0.9186	0.9307	0.9421	0.9529
0.9632	0.9730	0.9823	0.9913	1.0000

Width:

0.0177	0.0353	0.0530	0.0707	0.0883
0.1060	0.1237	0.1413	0.1590	0.1767
0.1943	0.2120	0.2297	0.2473	0.2650
0.2827	0.3003	0.3180	0.3357	0.3533

0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4590 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.7164 0.7400 0.7636 0.7873
0.7873 0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3981 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4385 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8880 0.8880 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4113 0.4493 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1970 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9305 0.9395 0.8568 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6500 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2112 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4272 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8745 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1863 0.2081 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4929 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017
0.3227 0.3453 0.3685 0.3919 0.4155
0.4393 0.4633 0.4875 0.5118 0.5364
0.5615 0.5871 0.6133 0.6408 0.6690
0.6977 0.7269 0.7568 0.7876 0.8192

```
            0.8516     0.8851     0.9205     0.9583     1.0000
Hrad:
            0.0356     0.0671     0.0952     0.1219     0.1526
            0.1825     0.2111     0.2388     0.2457     0.2281
            0.2626     0.2959     0.3290     0.3614     0.3872
            0.4105     0.4302     0.4402     0.4405     0.4805
            0.5198     0.5573     0.5905     0.6232     0.6553
            0.6869     0.6742     0.7110     0.7474     0.7833
            0.8187     0.8537     0.8883     0.9224     0.9509
            0.9733     0.9586     1.0049     1.0036     1.0287
            1.0536     1.0784     1.0896     1.1008     1.1169
            1.1330     1.1274     1.1025     1.0707     1.0000
Width:
            0.0541     0.0732     0.0923     0.1110     0.1246
            0.1374     0.1502     0.1630     0.1916     0.2527
            0.2652     0.2777     0.2895     0.3012     0.3179
            0.3368     0.3586     0.3902     0.4339     0.4377
            0.4416     0.4466     0.4547     0.4628     0.4709
            0.4791     0.5224     0.5268     0.5312     0.5356
            0.5400     0.5444     0.5488     0.5532     0.5611
            0.5729     0.5847     0.6049     0.6332     0.6440
            0.6548     0.6656     0.6857     0.7062     0.7236
            0.7412     0.7753     0.8268     0.8894     1.0000

Transect Upstream5
Area:
            0.0012     0.0039     0.0075     0.0122     0.0185
            0.0256     0.0332     0.0413     0.0500     0.0592
            0.0689     0.0792     0.0900     0.1012     0.1130
            0.1251     0.1375     0.1502     0.1632     0.1765
            0.1902     0.2041     0.2184     0.2330     0.2480
            0.2635     0.2798     0.2968     0.3145     0.3331
            0.3525     0.3727     0.3942     0.4178     0.4431
            0.4698     0.4988     0.5309     0.5639     0.5984
            0.6349     0.6722     0.7101     0.7485     0.7872
            0.8265     0.8666     0.9084     0.9530     1.0000
Hrad:
            0.0281     0.0626     0.0927     0.1114     0.1369
            0.1752     0.2115     0.2463     0.2799     0.3124
            0.3424     0.3749     0.4068     0.4379     0.4694
            0.5056     0.5411     0.5759     0.6102     0.6439
            0.6771     0.7099     0.7421     0.7699     0.7956
            0.8104     0.8232     0.8370     0.8495     0.8616
            0.8746     0.8886     0.8484     0.8428     0.8418
            0.8363     0.8155     0.8068     0.8309     0.8203
            0.8497     0.8801     0.9176     0.9547     0.9913
            1.0230     1.0475     1.0267     1.0168     1.0000
Width:
            0.0449     0.0640     0.0831     0.1124     0.1386
            0.1495     0.1603     0.1712     0.1820     0.1929
            0.2048     0.2146     0.2243     0.2341     0.2433
            0.2496     0.2559     0.2622     0.2684     0.2747
            0.2810     0.2873     0.2936     0.3016     0.3105
            0.3241     0.3390     0.3539     0.3698     0.3865
            0.4032     0.4199     0.4663     0.4984     0.5298
            0.5663     0.6178     0.6645     0.6844     0.7354
            0.7522     0.7679     0.7768     0.7857     0.7946
            0.8074     0.8259     0.8838     0.9366     1.0000

Transect Upstream6
Area:
            0.0020     0.0057     0.0101     0.0154     0.0216
            0.0285     0.0362     0.0446     0.0534     0.0628
            0.0726     0.0829     0.0939     0.1054     0.1174
            0.1299     0.1429     0.1564     0.1705     0.1850
            0.2000     0.2153     0.2310     0.2472     0.2637
            0.2808     0.2986     0.3172     0.3364     0.3564
            0.3786     0.4016     0.4255     0.4503     0.4760
            0.5026     0.5304     0.5593     0.5897     0.6214
            0.6541     0.6875     0.7215     0.7561     0.7915
            0.8280     0.8671     0.9077     0.9506     1.0000
Hrad:
            0.0333     0.0728     0.1080     0.1404     0.1714
            0.2022     0.2321     0.2687     0.3047     0.3396
            0.3717     0.4020     0.4318     0.4612     0.4948
            0.5246     0.5484     0.5820     0.6106     0.6442
            0.6773     0.7100     0.7423     0.7742     0.8057
            0.8224     0.8398     0.8578     0.8777     0.8995
            0.8582     0.8792     0.8979     0.9152     0.9365
            0.9490     0.9612     0.9727     0.9697     0.9916
            1.0145     1.0496     1.0816     1.1092     1.1367
            1.1540     1.1196     1.1309     1.0883     1.0000
Width:
            0.0616     0.0785     0.0947     0.1108     0.1267
            0.1418     0.1569     0.1666     0.1758     0.1850
            0.1952     0.2062     0.2171     0.2280     0.2365
            0.2466     0.2570     0.2674     0.2776     0.2853
            0.2930     0.3007     0.3084     0.3161     0.3238
            0.3379     0.3520     0.3661     0.3797     0.4163
            0.4379     0.4535     0.4707     0.4888     0.5050
            0.5264     0.5485     0.5718     0.6051     0.6237
            0.6417     0.6518     0.6637     0.6783     0.6930
            0.7329     0.7718     0.8002     0.8718     1.0000


***************
Analysis Options
***************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 01/01/2000 00:00:00
Ending Date .............. 01/02/2000 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:01:00
Dry Time Step ............ 00:01:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 18
Head Tolerance ........... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************     ---------       -------
Total Precipitation ......         2.663        31.879
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         1.259        15.069
Surface Runoff ...........         1.319        15.788
Final Storage ............         0.087         1.039
Continuity Error (%) .....        -0.052


**************************        Volume         Volume
Flow Routing Continuity        hectare-m      10^6 ltr
**************************     ---------      ---------
Dry Weather Inflow .......         0.000          0.000
Wet Weather Inflow .......         1.319         13.187
Groundwater Inflow .......         0.000          0.000
RDII Inflow ..............         0.000          0.000
External Inflow ..........         0.003          0.028
External Outflow .........         1.257         12.568
Flooding Loss ............         0.000          0.000
Evaporation Loss .........         0.000          0.000
Exfiltration Loss ........         0.063          0.633
Initial Stored Volume ....         0.000          0.000
Final Stored Volume ......         0.001          0.013
Continuity Error (%) .....         0.008


**************************
Highest Continuity Errors
**************************
Node J49 (81.38%)
Node J37 (72.70%)
Node J67 (57.74%)
Node 644_(C-STRM) (-45.18%)
Node J31 (33.36%)


**************************
Time-Step Critical Elements
**************************
None


********************************
Highest Flow Instability Indexes
********************************
Link C-STRM-83_(C-STRM) (16)
Link C-STRM-71_(C-STRM) (9)
Link OL15 (6)
Link OL14 (5)
Link C-STRM-83_(1)_(C-STRM) (5)


********************************
Most Frequent Nonconverging Nodes
********************************
Convergence obtained at all time steps.


**************************
Routing Time Step Summary
**************************
Minimum Time Step           :     0.28 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
    1.000 -  0.871 sec      :    99.98 %
    0.871 -  0.758 sec      :     0.01 %
    0.758 -  0.660 sec      :     0.00 %
    0.660 -  0.574 sec      :     0.00 %
    0.574 -  0.500 sec      :     0.01 %


**************************
Subcatchment Runoff Summary
**************************

                                                  Total      Total      Total      Total      Imperv       Perv
Total       Total      Peak  Runoff  Precip      Runon       Evap      Infil     Runoff     Runoff
Runoff      Runoff     Runoff   Coeff      mm         mm         mm         mm         mm         mm
  Subcatchment
mm     10^6 ltr       CMS
  ------------------------------------------------------------------------------------------------------------------------
  A15_1                                31.88       0.00       0.00      24.81       5.75       0.00
5.75        0.08       0.04   0.180
  A15_2                                31.88       0.00       0.00      24.81       5.75       0.00
5.75        0.12       0.05   0.180
  A18                                  31.88       0.00       0.00      19.36      11.87       0.04
11.92       0.07       0.05   0.374
  A19                                  31.88       0.00       0.00      24.74       6.77       0.02
6.80        0.08       0.05   0.213
  A20                                  31.88       0.00       0.00      28.05       2.54       0.00
2.54        0.12       0.09   0.080
  NULL3                                31.88       0.00       0.00       5.27      25.28       0.05
25.33       0.14       0.10   0.795
  S1                                   31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.97       0.81   0.466
  S1_1                                 31.88       0.00       0.00      10.71      21.69       2.76
20.11       0.02       0.02   0.631
  S1_2                                 31.88       0.00       0.00      10.76      21.68       2.70
20.05       0.03       0.03   0.629
  S10_1                                31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.27       0.23   0.466
  S10_2                                31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.32       0.26   0.466
  S10_4                                31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.11       0.09   0.466
  S10_5                                31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.19       0.16   0.466
  S11                                  31.88       0.00       0.00      31.87       0.00       0.01
0.01        0.00       0.00   0.000
  S12                                  31.88       0.00       0.00      10.80      21.68       2.66
20.00       0.09       0.08   0.627
  S14_1                                31.88       0.00       0.00      10.85      21.68       2.60
19.95       0.12       0.10   0.626
  S14_3                                31.88       0.00       0.00      10.99      21.67       2.46
19.80       0.21       0.17   0.621
  S14_4                                31.88       0.00       0.00      10.92      21.67       2.53
19.87       0.06       0.05   0.623
  S14_5                                31.88       0.00       0.00      10.96      21.67       2.49
19.82       0.33       0.27   0.622
  S14_6                                31.88       0.00       0.00      10.89      21.68       2.56
19.90       0.06       0.05   0.624
  S14_7                                31.88       0.00       0.00      10.92      21.67       2.53
19.87       0.24       0.20   0.623
  S14_8                                31.88       0.00       0.00      10.92      21.67       2.53
19.87       0.08       0.07   0.623
  S15                                  31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.24       0.20   0.466
  S16_1                                31.88       0.00       0.00       0.00      30.29       0.00
30.29       0.14       0.06   0.950
  S16_2                                31.88       0.00       0.00       0.00      30.22       0.00
30.22       0.30       0.08   0.948
  S17                                  31.88       0.00       0.00      31.82       1.01       0.01
0.01        0.00       0.00   0.000
  S18_2                                31.88       0.00       0.00      15.01      20.37       9.73
15.84       0.53       0.45   0.497
  S18_3                                31.88       0.00       0.00      15.01      20.37       9.73
15.84       0.26       0.22   0.497
  S18_4                                31.88       0.00       0.00      15.01      20.37       9.73
15.84       0.14       0.12   0.497
  S18_5                                31.88       0.00       0.00      15.01      20.37       9.73
15.84       0.29       0.25   0.497
  S18_6                                31.88       0.00       0.00      15.01      20.37       9.73
15.84       0.13       0.11   0.497
  S19                                  31.88       0.00       0.00      10.91      21.68       2.54
19.88       0.19       0.16   0.624
  S2                                   31.88       0.00       0.00      10.94      21.67       2.51
19.84       0.07       0.06   0.623
  S2_1                                 31.88       0.00       0.00      15.01      20.37       9.73
15.84       0.50       0.43   0.497
  S2_2                                 31.88       0.00       0.00      15.01      20.37       9.73
15.84       0.16       0.14   0.497
  S20_1                                31.88       0.00       0.00      10.85      21.68       2.61
19.95       0.09       0.08   0.626
  S20_2                                31.88       0.00       0.00      10.86      21.68       2.59
19.93       0.05       0.04   0.625
  S3                                   31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.32       0.26   0.466
  S32_1                                31.88       0.00       0.00      10.79      21.68       2.67
20.02       0.09       0.08   0.628
  S32_2                                31.88       0.00       0.00      16.03      19.50       9.02
14.87       0.02       0.02   0.466
  S36                                  31.88       0.00       0.00       0.00      30.16       0.00
30.16       0.55       0.11   0.946
  S4                                   31.88       0.00       0.00       4.55      25.97       0.00
25.97       3.43       1.63   0.815
```

S5			31.88	0.00	0.00	4.55	25.98	0.01
25.99	0.83	0.52	0.815					
S6			31.88	0.00	0.00	15.30	17.35	1.84
15.72	0.05	0.05	0.493					
S7			31.88	0.00	0.00	4.55	25.98	0.01
25.99	1.04	0.66	0.815					
S8			31.88	0.00	0.00	27.86	10.83	3.47
3.47	0.06	0.03	0.109					

****
Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days	hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.11	104.50	0	01:10	0.11
EXD_10	JUNCTION	0.03	0.23	98.88	0	01:24	0.23
EXD_11	JUNCTION	0.02	0.18	98.67	0	01:25	0.18
EXD_12	JUNCTION	0.03	0.24	98.55	0	01:23	0.24
EXD_13	JUNCTION	0.01	0.12	104.44	0	01:12	0.12
EXD_14	JUNCTION	0.00	0.00	102.49	0	00:00	0.00
EXD_15	JUNCTION	0.01	0.29	100.55	0	01:10	0.28
EXD_16	JUNCTION	0.01	0.15	100.35	0	01:11	0.15
EXD_17	JUNCTION	0.01	0.16	100.05	0	01:12	0.16
EXD_18	JUNCTION	0.01	0.13	99.53	0	01:17	0.13
EXD_19	JUNCTION	0.02	0.22	99.41	0	01:20	0.22
EXD_2	JUNCTION	0.02	0.19	103.66	0	01:15	0.19
EXD_20	JUNCTION	0.02	0.22	99.41	0	01:20	0.22
EXD_21	JUNCTION	0.02	0.20	99.38	0	01:21	0.20
EXD_22	JUNCTION	0.01	0.12	99.26	0	01:12	0.12
EXD_23	JUNCTION	0.03	0.19	98.94	0	01:27	0.19
EXD_24	JUNCTION	0.01	0.10	98.77	0	01:31	0.10
EXD_25	JUNCTION	0.02	0.19	98.71	0	01:32	0.19
EXD_26	JUNCTION	0.01	0.10	98.59	0	01:35	0.10
EXD_27	JUNCTION	0.03	0.21	98.57	0	01:31	0.21
EXD_3	JUNCTION	0.00	0.09	103.28	0	01:17	0.09
EXD_4	JUNCTION	0.00	0.09	102.74	0	01:18	0.09
EXD_5	JUNCTION	0.01	0.13	102.63	0	01:18	0.13
EXD_6	JUNCTION	0.01	0.11	102.43	0	01:19	0.11
EXD_7	JUNCTION	0.01	0.08	101.57	0	01:26	0.08
EXD_8	JUNCTION	0.03	0.25	100.73	0	01:27	0.25
EXD_9	JUNCTION	0.01	0.12	100.51	0	01:30	0.12
J1	JUNCTION	0.00	0.00	103.45	0	00:00	0.00
J13	JUNCTION	0.00	0.00	103.30	0	00:00	0.00
J17	JUNCTION	0.01	0.11	104.48	0	01:11	0.11
J19	JUNCTION	0.00	0.02	105.62	0	01:10	0.02
J2	JUNCTION	0.00	0.01	109.01	0	01:10	0.01
J20	JUNCTION	0.00	0.01	105.81	0	01:10	0.01
J21	JUNCTION	0.00	0.02	105.92	0	01:10	0.02
J22	JUNCTION	0.00	0.00	106.07	0	00:00	0.00
J23	JUNCTION	0.00	0.00	106.20	0	00:00	0.00
J27	JUNCTION	0.00	0.01	109.01	0	01:10	0.01
J28	JUNCTION	0.00	0.01	108.81	0	01:10	0.01
J3	JUNCTION	0.00	0.00	103.70	0	00:00	0.00
J31	JUNCTION	0.00	0.00	106.00	0	04:34	0.00
J35	JUNCTION	0.00	0.01	104.71	0	01:10	0.01
J36	JUNCTION	0.00	0.01	104.93	0	01:28	0.01
J37	JUNCTION	0.00	0.00	104.65	0	01:23	0.00
J38	JUNCTION	0.00	0.01	104.61	0	01:10	0.01
J39	JUNCTION	0.00	0.00	104.45	0	01:14	0.00
J4	JUNCTION	0.00	0.00	103.60	0	00:00	0.00
J40	JUNCTION	0.00	0.00	103.20	0	01:14	0.00
J42	JUNCTION	0.00	0.01	104.21	0	01:10	0.01
J43	JUNCTION	0.00	0.01	104.51	0	01:10	0.01
J45	JUNCTION	0.00	0.00	104.50	0	00:00	0.00
J46	JUNCTION	0.00	0.00	105.10	0	00:00	0.00
J47	JUNCTION	0.00	0.01	105.76	0	01:10	0.01
J49	JUNCTION	0.00	0.00	105.30	0	18:56	0.00
J5	JUNCTION	0.00	0.00	103.50	0	00:00	0.00
J50	JUNCTION	0.00	0.01	106.76	0	01:10	0.01
J51	JUNCTION	0.00	0.00	109.75	0	00:00	0.00
J52	JUNCTION	0.00	0.00	109.50	0	00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0	00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0	00:00	0.00
J57	JUNCTION	0.00	0.01	108.41	0	01:10	0.01
J58	JUNCTION	0.00	0.01	108.01	0	01:10	0.01
J6	JUNCTION	0.00	0.00	103.40	0	00:00	0.00
J60	JUNCTION	0.00	0.01	107.01	0	01:10	0.01
J61	JUNCTION	0.00	0.00	107.50	0	01:16	0.00
J62	JUNCTION	0.00	0.00	105.70	0	11:14	0.00
J63	JUNCTION	0.00	0.01	105.21	0	01:12	0.01
J66	JUNCTION	0.00	0.00	107.75	0	01:22	0.00
J67	JUNCTION	0.00	0.00	107.50	0	06:12	0.00
J74	JUNCTION	0.22	0.37	98.82	0	02:49	0.37
OF1	OUTFALL	0.00	0.00	100.80	0	00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
OF3	OUTFALL	0.02	0.17	98.17	0	01:21	0.17
ST4_108A_(P-Stm)	OUTFALL	0.16	0.58	98.60	0	02:49	0.58
500_(C-STRM)	STORAGE	0.30	0.68	101.04	0	01:06	0.67
502_(C-STRM)	STORAGE	0.07	1.03	101.60	0	01:12	1.03
503_(C-STRM)	STORAGE	0.06	1.05	101.66	0	01:12	1.05
504_(C-STRM)	STORAGE	0.32	0.86	103.92	0	01:11	0.85
505_(C-STRM)	STORAGE	0.32	0.87	104.35	0	01:10	0.87
506_(C-STRM)	STORAGE	0.31	0.84	104.67	0	01:10	0.83
507_(C-STRM)	STORAGE	0.31	0.82	104.99	0	01:12	0.82
508_(C-STRM)	STORAGE	0.31	0.84	105.23	0	01:12	0.84
509_(C-STRM)	STORAGE	0.31	0.84	105.46	0	01:11	0.84
510_(C-STRM)	STORAGE	0.31	0.77	105.64	0	01:11	0.77
511_(C-STRM)	STORAGE	0.31	0.77	105.71	0	01:10	0.77
512_(C-STRM)	STORAGE	0.31	0.83	105.97	0	01:10	0.83
513_(C-STRM)	STORAGE	0.31	0.77	106.04	0	01:10	0.77
514_(C-STRM)	STORAGE	0.29	0.45	106.06	0	01:12	0.44
515_(C-STRM)	STORAGE	0.00	0.00	105.88	0	00:00	0.00
516_(C-STRM)	STORAGE	0.31	0.82	106.30	0	01:11	0.82
517_(C-STRM)	STORAGE	0.31	0.87	106.51	0	01:11	0.87
518_(C-STRM)	STORAGE	0.32	0.99	106.86	0	01:10	0.98
519_(C-STRM)	STORAGE	0.31	0.81	106.91	0	01:10	0.81
520_(C-STRM)	STORAGE	0.30	0.61	106.98	0	01:10	0.60
522_(C-STRM)	STORAGE	0.30	0.59	104.90	0	01:10	0.59
525_(C-STRM)	STORAGE	0.07	1.19	101.78	0	01:13	1.19
528_(C-STRM)	STORAGE	0.04	1.29	101.98	0	01:13	1.29
532_(C-STRM)	STORAGE	0.03	1.31	102.11	0	01:13	1.31
536_(C-STRM)	STORAGE	0.03	1.28	102.23	0	01:13	1.28
540_(C-STRM)	STORAGE	0.32	1.52	102.35	0	01:13	1.51
541_(C-STRM)	STORAGE	0.31	1.51	102.41	0	01:13	1.50
551_(C-STRM)	STORAGE	0.31	0.93	101.61	0	01:13	0.93
552_(C-STRM)	STORAGE	0.31	0.85	101.62	0	01:13	0.85
553_(C-STRM)	STORAGE	0.31	0.66	101.62	0	01:12	0.66
554_(C-STRM)	STORAGE	0.29	0.54	101.62	0	01:10	0.54
555_(C-STRM)	STORAGE	0.29	0.34	101.62	0	01:16	0.34
556_(C-STRM)	STORAGE	0.00	0.00	101.39	0	00:00	0.00
601_(C-STRM)	STORAGE	0.07	0.98	101.41	0	01:14	0.98
602_(C-STRM)	STORAGE	0.07	1.34	101.82	0	01:14	1.34
603_(C-STRM)	STORAGE	0.07	1.35	101.90	0	01:14	1.35
604_(C-STRM)	STORAGE	0.08	1.50	102.13	0	01:14	1.50
605_(C-STRM)	STORAGE	0.30	0.92	102.29	0	01:12	0.92
619_(C-STRM)	STORAGE	0.07	1.47	102.59	0	01:14	1.47
622_(C-STRM)	STORAGE	0.07	1.49	102.72	0	01:13	1.49
626_(C-STRM)	STORAGE	0.29	0.31	104.30	0	01:20	0.31
627_(C-STRM)	STORAGE	0.29	0.49	103.88	0	01:11	0.49
629_(C-STRM)	STORAGE	0.07	1.07	102.78	0	01:13	1.07
630_(C-STRM)	STORAGE	0.06	1.01	102.85	0	01:13	1.01
630A_(C-STRM)	STORAGE	0.06	1.00	102.87	0	01:11	1.00
633_TC-STRM)	STORAGE	0.00	0.06	105.36	0	01:16	0.06
634_(C-STRM)	STORAGE	0.30	0.93	102.81	0	01:13	0.93
637_(C-STRM)	STORAGE	0.00	0.01	105.36	0	01:10	0.01
643_(C-STRM)	STORAGE	0.30	0.86	102.93	0	01:11	0.86
644_(C-STRM)	STORAGE	0.29	0.41	102.95	0	01:12	0.41
645_(C-STRM)	STORAGE	0.03	0.70	103.00	0	01:11	0.70
646_(C-STRM)	STORAGE	0.03	0.68	103.11	0	01:11	0.68
647_(C-STRM)	STORAGE	0.03	0.62	103.19	0	01:10	0.62
650_(C-STRM)	STORAGE	0.07	1.45	102.44	0	01:14	1.45
651_(C-STRM)	STORAGE	0.07	1.47	102.36	0	01:14	1.47
652_(C-STRM)	STORAGE	0.08	1.44	102.31	0	01:14	1.44
Filter_Bed	STORAGE	0.32	0.80	100.90	0	01:27	0.80
Industrial_NORTH	STORAGE	0.00	0.01	105.21	0	01:10	0.01
Industrial_South	STORAGE	0.00	0.01	105.01	0	01:10	0.01
MTD_(C-STRM)	STORAGE	0.17	1.13	101.50	0	01:13	1.13
OVERFLOW_(C-STRM)	STORAGE	0.29	1.12	101.29	0	01:06	1.11
PARK	STORAGE	0.00	0.00	105.36	0	01:20	0.00
POND_(C-STRM)	STORAGE	0.62	1.32	99.77	0	02:48	1.32
S_504-503	STORAGE	0.00	0.01	105.76	0	01:10	0.01
S_525-MTD	STORAGE	0.00	0.01	103.46	0	01:10	0.01
S_528-525	STORAGE	0.00	0.01	103.51	0	01:10	0.01
S_532-528	STORAGE	0.00	0.01	103.66	0	01:10	0.01
S_536-532	STORAGE	0.00	0.01	103.71	0	01:11	0.01
S_540-536	STORAGE	0.00	0.01	103.86	0	01:10	0.01
S_545-541	STORAGE	0.00	0.01	103.91	0	01:11	0.01
S_607-605	STORAGE	0.00	0.01	107.91	0	01:11	0.01
S_620-619	STORAGE	0.00	0.01	106.91	0	01:10	0.01
S_622-619	STORAGE	0.00	0.01	106.01	0	01:10	0.01
S_623-622	STORAGE	0.00	0.01	106.51	0	01:10	0.01
S_627-630	STORAGE	0.00	0.01	106.71	0	01:10	0.01
S_652-604	STORAGE	0.00	0.01	105.86	0	01:10	0.01
Woodlot_North	STORAGE	0.00	0.00	106.75	0	01:11	0.00

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days	hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.071	0	01:10	0	0.0869	-0.074
EXD_10	JUNCTION	0.174	0.250	0	01:20	0.689	1.15	-0.050
EXD_11	JUNCTION	0.000	0.243	0	01:24	0	1.15	0.017
EXD_12	JUNCTION	0.050	0.273	0	01:22	0.124	1.27	0.002
EXD_13	JUNCTION	0.000	0.068	0	01:11	0	0.0871	-0.413
EXD_14	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.086	0.086	0	01:10	0.123	0.123	-0.011
EXD_16	JUNCTION	0.000	0.070	0	01:10	0	0.123	-0.408
EXD_17	JUNCTION	0.000	0.069	0	01:11	0	0.123	-0.195
EXD_18	JUNCTION	0.000	0.068	0	01:14	0	0.123	0.959
EXD_19	JUNCTION	0.000	0.059	0	01:17	0	0.134	-0.168
EXD_2	JUNCTION	0.000	0.062	0	01:12	0	0.0875	0.650
EXD_20	JUNCTION	0.054	0.069	0	01:20	0.0752	0.21	-0.024
EXD_21	JUNCTION	0.000	0.069	0	01:20	0	0.198	-0.057
EXD_22	JUNCTION	0.000	0.068	0	01:21	0	0.198	-0.826
EXD_23	JUNCTION	0.000	0.068	0	01:13	0	0.2	0.990
EXD_24	JUNCTION	0.000	0.064	0	01:28	0	0.198	0.495
EXD_25	JUNCTION	0.051	0.070	0	01:30	0.0707	0.268	-0.078
EXD_26	JUNCTION	0.000	0.076	0	01:32	0	0.268	0.014
EXD_27	JUNCTION	0.102	0.339	0	01:30	0.143	1.68	0.033
EXD_3	JUNCTION	0.000	0.052	0	01:15	0	0.0869	0.300
EXD_4	JUNCTION	0.000	0.052	0	01:17	0	0.0866	0.124
EXD_5	JUNCTION	0.000	0.051	0	01:18	0	0.0865	-0.011
EXD_6	JUNCTION	0.000	0.051	0	01:18	0	0.0865	-0.764
EXD_7	JUNCTION	0.001	0.052	0	01:20	0.000547	0.0878	2.949
EXD_8	JUNCTION	0.120	0.120	0	01:22	0.374	0.46	-0.272
EXD_9	JUNCTION	0.000	0.114	0	01:27	0	0.461	0.329
J1	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J13	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J17	JUNCTION	0.000	0.071	0	01:10	0	0.087	-0.108
J19	JUNCTION	0.017	0.018	0	01:10	0.0188	0.019	-0.132
J2	JUNCTION	0.077	0.077	0	01:10	0.0871	0.0871	-0.278
J20	JUNCTION	0.060	0.061	0	01:10	0.0739	0.0741	-0.228
J21	JUNCTION	0.025	0.025	0	01:10	0.0279	0.0279	0.005
J22	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J23	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J27	JUNCTION	0.103	0.103	0	01:10	0.121	0.121	-0.271
J28	JUNCTION	0.269	0.270	0	01:10	0.334	0.334	-0.805
J3	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J31	JUNCTION	0.000	0.000	0	01:18	0	7.81e-05	50.066
J35	JUNCTION	0.160	0.160	0	01:10	0.193	0.193	-0.262
J36	JUNCTION	0.000	0.000	0	01:13	0	0.000228	9.915
J37	JUNCTION	0.000	0.000	0	01:03	0	1.65e-05	12.027 ltr
J38	JUNCTION	0.040	0.040	0	01:10	0.0472	0.0472	-0.065
J39	JUNCTION	0.000	0.000	0	01:10	0	6.48e-05	44.838
J4	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J40	JUNCTION	0.000	0.000	0	01:10	0	0.000132	0.100
J42	JUNCTION	0.077	0.078	0	01:10	0.09	0.0903	-0.039
J43	JUNCTION	0.076	0.076	0	01:10	0.0855	0.0857	-0.145
J45	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J46	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J47	JUNCTION	0.050	0.051	0	01:10	0.0611	0.0613	-0.212
J49	JUNCTION	0.000	0.000	0	13:15	0	3.52e-05	28.615 ltr
J5	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J50	JUNCTION	0.070	0.070	0	01:10	0.0848	0.0849	-0.252

J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J57	JUNCTION	0.168	0.168	0	01:10	0.21	0.21	- 0.857
J58	JUNCTION	0.046	0.046	0	01:10	0.0553	0.0554	- 0.036
J6	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J60	JUNCTION	0.196	0.196	0	01:10	0.237	0.237	- 0.084
J61	JUNCTION	0.000	0.000	0	01:10	0	8.71e-05	11.484
J62	JUNCTION	0.000	0.000	0	06:17	0	5.21e-05	48.103
J63	JUNCTION	0.000	0.001	0	01:10	0	0.000279	22.239
J66	JUNCTION	0.000	0.000	0	01:10	0	6.56e-05	20.310
J67	JUNCTION	0.000	0.000	0	01:23	0	5.45e-05	31.483 ltr
J74	JUNCTION	0.000	0.248	0	02:48	0	10.8	- 0.022
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	0.000 ltr
OF2	OUTFALL	0.046	0.046	0	01:10	0.0538	0.0538	0.000
OF3	OUTFALL	0.000	0.337	0	01:31	0	1.68	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.248	0	02:49	0	10.8	0.000
500_(C-STRM)	STORAGE	0.000	0.321	0	01:06	0	0.183	- 1.204
502_(C-STRM)	STORAGE	0.000	0.844	0	01:10	0	1.54	0.059
503_(C-STRM)	STORAGE	0.000	0.667	0	01:11	0	1.21	- 0.008
504_(C-STRM)	STORAGE	0.000	0.644	0	01:10	0	1.12	- 0.335
505_(C-STRM)	STORAGE	0.000	0.599	0	01:10	0	1.04	0.191
506_(C-STRM)	STORAGE	0.000	0.551	0	01:10	0	0.957	0.436
507_(C-STRM)	STORAGE	0.000	0.434	0	01:12	0	0.713	- 0.882
508_(C-STRM)	STORAGE	0.000	0.437	0	01:11	0	0.714	0.017
509_(C-STRM)	STORAGE	0.000	0.442	0	01:11	0	0.713	- 0.049
510_(C-STRM)	STORAGE	0.000	0.443	0	01:10	0	0.714	0.081
511_(C-STRM)	STORAGE	0.000	0.444	0	01:10	0	0.716	0.133
512_(C-STRM)	STORAGE	0.000	0.412	0	01:10	0	0.66	- 0.033
513_(C-STRM)	STORAGE	0.000	0.450	0	01:10	0	0.672	1.238
514_(C-STRM)	STORAGE	0.000	0.017	0	01:10	0	0.00309	- 19.751
515_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
516_(C-STRM)	STORAGE	0.000	0.313	0	01:11	0	0.45	- 1.625
517_(C-STRM)	STORAGE	0.000	0.323	0	01:10	0	0.452	0.381
518_(C-STRM)	STORAGE	0.000	0.340	0	01:10	0	0.458	1.255
519_(C-STRM)	STORAGE	0.000	0.095	0	01:09	0	0.119	- 1.888
520_(C-STRM)	STORAGE	0.000	0.103	0	01:10	0	0.121	1.535
522_(C-STRM)	STORAGE	0.000	0.075	0	01:10	0	0.0871	0.042
525_(C-STRM)	STORAGE	0.000	1.080	0	01:13	0	1.6	0.080
528_(C-STRM)	STORAGE	0.000	0.922	0	01:13	0	1.35	- 0.023
532_(C-STRM)	STORAGE	0.000	0.747	0	01:12	0	1.09	0.080
536_(C-STRM)	STORAGE	0.000	0.669	0	01:12	0	0.959	- 0.060
540_(C-STRM)	STORAGE	0.000	0.472	0	01:11	0	0.669	- 0.006
541_(C-STRM)	STORAGE	0.000	0.378	0	01:09	0	0.531	0.077
551_(C-STRM)	STORAGE	0.000	0.170	0	01:08	0	0.239	- 0.668
552_(C-STRM)	STORAGE	0.000	0.175	0	01:10	0	0.238	- 0.417
553_(C-STRM)	STORAGE	0.000	0.160	0	01:10	0	0.202	0.832
554_(C-STRM)	STORAGE	0.000	0.025	0	01:09	0	0.00969	0.472
555_(C-STRM)	STORAGE	0.000	0.003	0	01:11	0	0.000847	- 21.223
556_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
601_(C-STRM)	STORAGE	0.000	3.405	0	01:14	0	6.63	0.002
602_(C-STRM)	STORAGE	0.000	3.407	0	01:14	0	6.63	0.004
603_(C-STRM)	STORAGE	0.000	3.408	0	01:13	0	6.58	- 0.000
604_(C-STRM)	STORAGE	0.000	3.448	0	01:13	0	6.57	- 0.095
605_(C-STRM)	STORAGE	0.000	0.664	0	01:10	0	0.723	1.511
619_(C-STRM)	STORAGE	0.000	2.820	0	01:11	0	5.54	- 0.005
622_(C-STRM)	STORAGE	0.000	2.778	0	01:11	0	5.32	- 0.218
626_(C-STRM)	STORAGE	0.000	0.001	0	01:11	0	0.000447	6.851
627_(C-STRM)	STORAGE	0.000	0.079	0	01:10	0	0.0765	- 0.033
629_(C-STRM)	STORAGE	0.000	2.120	0	01:10	0	4.46	0.243
630_(C-STRM)	STORAGE	0.000	2.159	0	01:10	0	4.46	- 0.011
630A_(C-STRM)	STORAGE	0.000	2.115	0	01:10	0	4.39	0.085
633_(C-STRM)	STORAGE	0.137	0.137	0	01:10	0.161	0.161	0.000
634_(C-STRM)	STORAGE	0.000	0.413	0	01:11	0	0.483	- 1.146
637_(C-STRM)	STORAGE	0.426	0.426	0	01:10	0.498	0.498	0.000
643_(C-STRM)	STORAGE	0.000	0.374	0	01:10	0	0.374	2.177
644_(C-STRM)	STORAGE	0.000	0.010	0	01:11	0	0.00121	- 31.120
645_(C-STRM)	STORAGE	0.000	0.565	0	01:10	0	0.951	0.036
646_(C-STRM)	STORAGE	0.000	0.572	0	01:10	0	0.924	- 0.010
647_(C-STRM)	STORAGE	0.000	0.528	0	01:10	0	0.85	0.081
650_(C-STRM)	STORAGE	0.000	2.716	0	01:12	0	5.54	0.007
651_(C-STRM)	STORAGE	0.000	2.660	0	01:13	0	5.54	0.003
652_(C-STRM)	STORAGE	0.000	2.844	0	01:13	0	5.86	- 0.006
Filter_Bed	STORAGE	0.000	1.848	0	01:12	0	2.95	0.099
Industrial_NORTH	STORAGE	1.625	1.625	0	01:10	3.43	3.43	- 0.166
Industrial_South	STORAGE	0.521	0.521	0	01:10	0.831	0.831	- 0.097
MTD_(C-STRM)	STORAGE	0.000	1.834	0	01:12	0	3.14	- 0.075
OVERFLOW_(C-STRM)	STORAGE	0.000	1.834	0	01:13	0	3.14	0.034
PARK	STORAGE	0.026	0.026	0	01:20	0.0555	0.0555	- 0.002
POND_(C-STRM)	STORAGE	0.702	3.876	0	01:14	1.06	10.8	0.002
S_504-503	STORAGE	0.020	0.020	0	01:10	0.0237	0.0237	- 0.029
S_525-MTD	STORAGE	0.203	0.203	0	01:10	0.243	0.243	- 0.027
S_528-525	STORAGE	0.225	0.225	0	01:10	0.262	0.262	- 0.027
S_532-528	STORAGE	0.114	0.114	0	01:10	0.133	0.133	- 0.028
S_536-532	STORAGE	0.248	0.248	0	01:10	0.29	0.29	- 0.026
S_540-536	STORAGE	0.119	0.119	0	01:10	0.139	0.139	- 0.028
S_545-541	STORAGE	0.454	0.454	0	01:10	0.531	0.531	- 0.025
S_607-605	STORAGE	0.807	0.807	0	01:10	0.969	0.969	0.000
S_620-619	STORAGE	0.228	0.228	0	01:10	0.274	0.274	0.000
S_622-619	STORAGE	0.156	0.156	0	01:10	0.188	0.188	0.000
S_623-622	STORAGE	0.264	0.264	0	01:10	0.317	0.317	- 0.000
S_627-630	STORAGE	0.091	0.091	0	01:10	0.109	0.109	0.000
S_652-604	STORAGE	0.263	0.263	0	01:10	0.315	0.315	- 0.027
Woodlot_North	STORAGE	0.002	0.002	0	01:10	0.000477	0.000477	- 0.079

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	10.6	0.0	0.0	0.001	24.3	0 01:06	0.321
502_(C-STRM)	0.000	2.0	0.0	0.0	0.001	27.8	0 01:12	0.822
503_(C-STRM)	0.000	1.6	0.0	0.0	0.001	26.9	0 01:12	0.665
504_(C-STRM)	0.000	11.3	0.0	0.0	0.001	30.6	0 01:11	0.630
505_(C-STRM)	0.000	9.7	0.0	0.0	0.001	26.6	0 01:10	0.589
506_(C-STRM)	0.000	10.0	0.0	0.0	0.001	26.6	0 01:10	0.539
507_(C-STRM)	0.000	9.8	0.0	0.0	0.001	25.8	0 01:12	0.434
508_(C-STRM)	0.000	9.8	0.0	0.0	0.001	26.3	0 01:12	0.434
509_(C-STRM)	0.000	10.0	0.0	0.0	0.001	27.1	0 01:11	0.437
510_(C-STRM)	0.000	10.1	0.0	0.0	0.001	25.0	0 01:11	0.442
511_(C-STRM)	0.000	10.2	0.0	0.0	0.001	25.3	0 01:10	0.443
512_(C-STRM)	0.000	10.1	0.0	0.0	0.001	26.8	0 01:10	0.410
513_(C-STRM)	0.000	10.0	0.0	0.0	0.001	24.8	0 01:10	0.430
514_(C-STRM)	0.000	9.2	0.0	0.0	0.001	14.2	0 01:12	0.016
515_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
516_(C-STRM)	0.000	10.2	0.0	0.0	0.001	27.1	0 01:11	0.308
517_(C-STRM)	0.000	10.4	0.0	0.0	0.001	29.0	0 01:11	0.313
518_(C-STRM)	0.000	11.0	0.0	0.0	0.001	34.1	0 01:10	0.323
519_(C-STRM)	0.000	10.9	0.0	0.0	0.001	29.1	0 01:10	0.117
520_(C-STRM)	0.000	11.6	0.0	0.0	0.001	23.1	0 01:10	0.095
522_(C-STRM)	0.000	10.1	0.0	0.0	0.001	19.7	0 01:10	0.071
525_(C-STRM)	0.000	2.6	0.0	0.0	0.001	43.9	0 01:13	1.083
528_(C-STRM)	0.000	1.5	0.0	0.0	0.001	47.5	0 01:13	0.922
532_(C-STRM)	0.000	1.1	0.0	0.0	0.001	48.6	0 01:13	0.750
536_(C-STRM)	0.000	1.1	0.0	0.0	0.001	48.4	0 01:13	0.659
540_(C-STRM)	0.000	11.1	0.0	0.0	0.002	52.9	0 01:13	0.475
541_(C-STRM)	0.000	10.7	0.0	0.0	0.002	51.5	0 01:13	0.382
551_(C-STRM)	0.000	8.2	0.0	0.0	0.001	24.7	0 01:13	0.158
552_(C-STRM)	0.000	8.0	0.0	0.0	0.001	21.9	0 01:13	0.170
553_(C-STRM)	0.000	8.2	0.0	0.0	0.001	17.5	0 01:12	0.159
554_(C-STRM)	0.000	7.5	0.0	0.0	0.001	14.0	0 01:10	0.024
555_(C-STRM)	0.000	7.0	0.0	0.0	0.000	8.4	0 01:16	0.002
556_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
601_(C-STRM)	0.000	1.5	0.0	0.0	0.001	22.0	0 01:14	3.408
602_(C-STRM)	0.000	1.7	0.0	0.0	0.002	32.1	0 01:14	3.405
603_(C-STRM)	0.000	1.8	0.0	0.0	0.002	33.8	0 01:14	3.384
604_(C-STRM)	0.000	1.5	0.0	0.0	0.002	29.2	0 01:14	3.408
605_(C-STRM)	0.000	5.7	0.0	0.0	0.001	17.1	0 01:12	0.669

619_(C-STRM)	0.000	1.3	0.0	0.0	0.002	27.2	0	01:14
2.716								
622_(C-STRM)	0.000	1.4	0.0	0.0	0.002	31.1	0	01:13
2.630								
626_(C-STRM)	0.000	8.9	0.0	0.0	0.000	9.6	0	01:20
0.000								
627_(C-STRM)	0.000	8.3	0.0	0.0	0.001	13.9	0	01:11
0.076								
629_(C-STRM)	0.000	1.5	0.0	0.0	0.001	24.3	0	01:13
2.029								
630_(C-STRM)	0.000	1.4	0.0	0.0	0.001	23.1	0	01:13
2.120								
630A_(C-STRM)	0.000	1.4	0.0	0.0	0.001	24.2	0	01:11
2.091								
633_(C-STRM)	0.001	0.2	0.0	26.2	0.039	11.0	0	01:16
0.076								
634_(C-STRM)	0.000	7.9	0.0	0.0	0.001	24.3	0	01:13
0.392								
637_(C-STRM)	0.000	0.0	0.0	25.3	0.022	2.0	0	01:10
0.396								
643_(C-STRM)	0.000	8.7	0.0	0.0	0.001	25.1	0	01:11
0.364								
644_(C-STRM)	0.000	9.0	0.0	0.0	0.000	12.9	0	01:12
0.009								
645_(C-STRM)	0.000	1.0	0.0	0.0	0.001	19.5	0	01:11
0.549								
646_(C-STRM)	0.000	0.9	0.0	0.0	0.001	20.3	0	01:11
0.544								
647_(C-STRM)	0.000	0.9	0.0	0.0	0.001	20.6	0	01:10
0.516								
650_(C-STRM)	0.000	1.3	0.0	0.0	0.002	28.0	0	01:14
2.660								
651_(C-STRM)	0.000	1.4	0.0	0.0	0.002	29.4	0	01:14
2.652								
652_(C-STRM)	0.000	1.6	0.0	0.0	0.002	29.0	0	01:14
2.839								
Filter_Bed	0.640	19.2	0.0	0.0	1.649	49.4	0	01:27
0.867								
Industrial_NORTH	0.001	0.0	0.0	0.0	0.033	1.3	0	01:10
1.602								
Industrial_South	0.000	0.0	0.0	0.0	0.015	1.9	0	01:10
0.514								
MTD_(C-STRM)	0.000	5.6	0.0	0.0	0.001	37.6	0	01:13
1.834								
OVERFLOW_(C-STRM)	0.000	10.1	0.0	0.0	0.001	39.5	0	01:06
1.895								
PARK	0.000	0.0	0.0	0.0	0.002	0.3	0	01:20
0.026								
POND_(C-STRM)	2.142	5.9	0.0	0.0	7.126	19.7	0	02:48
0.248								
S_504-503	0.000	0.0	0.0	0.0	0.001	1.7	0	01:10
0.019								
S_525-MTD	0.000	0.0	0.0	0.0	0.011	2.0	0	01:10
0.188								
S_528-525	0.000	0.0	0.0	0.0	0.012	2.0	0	01:10
0.211								
S_532-528	0.000	0.0	0.0	0.0	0.006	2.0	0	01:10
0.107								
S_536-532	0.000	0.0	0.0	0.0	0.010	2.3	0	01:11
0.222								
S_540-536	0.000	0.0	0.0	0.0	0.004	2.0	0	01:10
0.113								
S_545-541	0.000	0.0	0.0	0.0	0.030	2.5	0	01:11
0.378								
S_607-605	0.001	0.0	0.0	25.4	0.049	2.2	0	01:11
0.707								
S_620-619	0.000	0.0	0.0	23.2	0.008	1.8	0	01:10
0.218								
S_622-619	0.000	0.0	0.0	26.3	0.007	1.6	0	01:10
0.147								
S_623-622	0.000	0.0	0.0	23.2	0.010	1.9	0	01:10
0.251								
S_627-630	0.000	0.0	0.0	30.2	0.004	1.6	0	01:10
0.085								
S_652-604	0.000	0.0	0.0	0.0	0.014	1.9	0	01:10
0.215								
Woodlot_North	0.000	0.0	0.0	0.0	0.000	0.0	0	01:11
0.001								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	11.72	0.005	0.046	0.054
OF3	97.62	0.020	0.337	1.682
ST4_108A_(P-Stm)	97.75	0.128	0.248	10.831
System	51.78	0.154	0.569	12.568

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.070	0 01:10	1.00	1.05	0.55
BDR-C2	CONDUIT	0.069	0 01:20	1.03	1.31	0.53
BDR-C3	CONDUIT	0.076	0 01:32	1.64	0.39	0.29
BDR-C4	CONDUIT	0.273	0 01:23	1.87	0.09	0.19
C1	CHANNEL	0.000	0 01:10	0.06	0.00	0.03
C1_1	CHANNEL	0.000	0 01:10	0.06	0.00	0.03
C1_11	CHANNEL	0.001	0 01:10	0.23	0.00	0.03
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C1_4	CHANNEL	0.000	0 01:10	0.20	0.00	0.02
C1_5	CHANNEL	0.000	0 01:10	0.13	0.00	0.02
C1_6	CHANNEL	0.000	0 01:23	0.00	0.00	0.00
C1_7	CHANNEL	0.000	0 06:13	0.00	0.00	0.01
C1_8	CHANNEL	0.000	0 01:10	0.11	0.00	0.03
C1_9	CHANNEL	0.000	0 01:10	0.20	0.00	0.03
C2	CHANNEL	0.001	0 01:10	0.29	0.00	0.03
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.000	0 01:13	0.27	0.00	0.02
C2_11	CHANNEL	0.000	0 01:27	0.15	0.00	0.02
C2_12	CHANNEL	0.000	0 01:03	0.10	0.00	0.02
C2_13	CHANNEL	0.000	0 01:23	0.00	0.00	0.02
C2_14	CHANNEL	0.000	0 01:10	0.18	0.00	0.02
C2_15	CHANNEL	0.000	0 01:14	0.05	0.00	0.02
C2_16	CHANNEL	0.000	0 01:10	0.20	0.00	0.03
C2_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C2_2	CHANNEL	0.000	0 01:10	0.24	0.00	0.02
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.02
C2_4	CHANNEL	0.000	0 01:18	0.00	0.00	0.01
C2_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_8	CHANNEL	0.001	0 01:10	0.26	0.00	0.04
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C3_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.03
C3_6	CHANNEL	0.001	0 01:10	0.11	0.00	0.06
C3_7	CHANNEL	0.001	0 01:10	0.09	0.00	0.06
C4	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C4_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C4_6	CHANNEL	0.000	0 01:10	0.56	0.00	0.02
C4_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C5_1	CHANNEL	0.071	0 01:10	0.27	0.02	0.10
C5_10	CHANNEL	0.069	0 01:11	0.44	0.02	0.20
C5_11	CHANNEL	0.059	0 01:17	0.20	0.02	0.21
C5_12	CHANNEL	0.337	0 01:31	0.91	0.03	0.18
C5_13	CHANNEL	0.068	0 01:14	0.58	0.02	0.18
C5_14	CHANNEL	0.056	0 01:22	0.17	0.04	0.25
C5_15	CHANNEL	0.068	0 01:13	0.42	0.02	0.19
C5_16	CHANNEL	0.064	0 01:28	0.33	0.02	0.13
C5_17	CHANNEL	0.063	0 01:31	0.21	0.01	0.13
C5_18	CHANNEL	0.000	0 06:17	0.00	0.00	0.00
C5_19	CHANNEL	0.068	0 01:21	0.32	0.05	0.17
C5_2	CHANNEL	0.052	0 01:15	0.46	0.01	0.13
C5_20	CHANNEL	0.067	0 01:35	0.19	0.01	0.14
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.18
C5_23	CHANNEL	0.068	0 01:11	0.25	0.01	0.11
C5_24	CHANNEL	0.000	0 13:15	0.00	0.00	0.00
C5_25	CHANNEL	0.000	0 19:47	0.00	0.00	0.02
C5_3	CHANNEL	0.062	0 01:12	0.49	0.00	0.14
C5_4	CHANNEL	0.051	0 01:18	0.42	0.00	0.09
C5_5	CHANNEL	0.051	0 01:20	0.77	0.00	0.08
C5_6	CHANNEL	0.052	0 01:17	0.58	0.00	0.08
C5_7	CHANNEL	0.112	0 01:30	0.34	0.01	0.17
C5_8	CHANNEL	0.039	0 01:26	0.14	0.00	0.15
C5_9	CHANNEL	0.243	0 01:25	0.57	0.02	0.20
C6	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C7	CONDUIT	0.000	0 01:14	0.00	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT	0.308	0 01:11	1.11	0.82	0.73	
C-STRM-1_(1)_(C-STRM) CONDUIT	0.313	0 01:11	1.02	0.96	0.81	
C-STRM-1_(C-STRM) CONDUIT	0.323	0 01:10	1.20	1.36	0.91	
C-STRM-100_(C-STRM) CONDUIT	0.321	0 01:06	1.48	0.74	0.72	
C-STRM-101_(C-STRM) CONDUIT	0.321	0 01:06	1.75	0.74	0.62	
C-STRM-102_(C-STRM) CONDUIT	1.848	0 01:12	4.87	0.96	0.74	
C-STRM-105_(C-STRM) CONDUIT	0.549	0 01:11	1.05	0.78	0.77	
C-STRM-106_(C-STRM) CONDUIT	0.354	0 01:11	1.11	0.82	0.74	
C-STRM-107_(1)_(C-STRM) CONDUIT	2.839	0 01:14	1.48	0.80	0.85	
C-STRM-107_(C-STRM) CONDUIT	2.652	0 01:14	1.33	0.75	0.88	
C-STRM-2_(1)_(C-STRM) CONDUIT	0.410	0 01:11	1.44	0.73	0.74	
C-STRM-2_(C-STRM) CONDUIT	0.412	0 01:10	1.46	0.73	0.74	
C-STRM-20_(C-STRM) CONDUIT	0.000	0 01:20	0.08	0.00	0.12	
C-STRM-21_(C-STRM) CONDUIT	0.076	0 01:11	1.12	0.25	0.35	
C-STRM-22_(1)_(C-STRM) CONDUIT	2.039	0 01:11	1.88	0.74	0.73	
C-STRM-22_(C-STRM) CONDUIT	2.120	0 01:10	1.79	0.77	0.69	
C-STRM-23_(C-STRM) CONDUIT	0.392	0 01:11	1.08	0.70	0.77	
C-STRM-26_(1)_(C-STRM) CONDUIT	0.158	0 01:08	0.65	0.47	0.97	
C-STRM-26_(C-STRM) CONDUIT	0.170	0 01:08	0.75	0.51	0.87	
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.539	0 01:10	1.56	0.68		
0.74						
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.434	0 01:12	1.60	0.73	0.72	
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT	0.434	0 01:12	1.45	0.73	0.78	
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT	0.437	0 01:11	1.44	0.74	0.80	
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT	0.442	0 01:11	1.56	0.78	0.75	
C-STRM-3_(1)_(C-STRM) CONDUIT	0.443	0 01:10	1.67	0.79	0.70	
C-STRM-33_(1)_(C-STRM) CONDUIT	0.544	0 01:10	1.08	0.77	0.77	
C-STRM-33_(C-STRM) CONDUIT	0.516	0 01:10	1.08	0.74	0.72	
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT	0.003	0 01:11	0.19	0.02	0.20	
C-STRM-34_(1)_(C-STRM) CONDUIT	0.000	0 00:00	0.00	0.00	0.04	
C-STRM-35_(1)_(C-STRM) CONDUIT	0.136	0 01:10	0.91	0.55	0.69	
C-STRM-35_(C-STRM) CONDUIT	0.025	0 01:09	0.27	0.10	0.49	
C-STRM-4_(1)_(C-STRM) CONDUIT	0.630	0 01:11	1.95	0.73	0.69	
C-STRM-4_(C-STRM) CONDUIT	0.589	0 01:11	1.67	0.75	0.74	
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT	2.660	0 01:13	1.35	0.75	0.88	
C-STRM-46_(1)_(C-STRM) CONDUIT	2.716	0 01:12	1.46	0.77	0.88	
C-STRM-49_(C-STRM) CONDUIT	0.382	0 01:14	0.77	0.69	1.00	
C-STRM-50_(C-STRM) CONDUIT	0.475	0 01:14	0.89	0.85	1.00	
C-STRM-51_(C-STRM) CONDUIT	0.659	0 01:13	1.04	0.94	1.00	
C-STRM-52_(C-STRM) CONDUIT	0.750	0 01:14	1.00	0.86	1.00	
C-STRM-53_(C-STRM) CONDUIT	0.922	0 01:13	1.24	1.06	1.00	
C-STRM-57_(C-STRM) CONDUIT	0.665	0 01:11	0.89	0.77	1.00	
C-STRM-60_(C-STRM) CONDUIT	0.010	0 01:11	0.19	0.07	0.40	
C-STRM-62_(C-STRM) CONDUIT	0.095	0 01:09	0.91	0.74	0.82	
C-STRM-63_(C-STRM) CONDUIT	0.117	0 01:11	0.56	0.70	0.99	
C-STRM-64_(C-STRM) CONDUIT	0.071	0 01:10	0.94	0.81	0.65	
C-STRM-76_(C-STRM) CONDUIT	1.083	0 01:13	1.45	1.08	1.00	
C-STRM-77_(C-STRM) CONDUIT	1.834	0 01:13	2.30	0.95	0.99	
C-STRM-78_(C-STRM) CONDUIT	0.822	0 01:10	1.11	0.67	1.00	
C-STRM-79_(1)_(C-STRM) CONDUIT	3.408	0 01:13	1.59	0.94	0.79	
C-STRM-79_(C-STRM) CONDUIT	0.669	0 01:11	1.65	0.95	0.66	
C-STRM-8_(1)_(C-STRM) CONDUIT	0.017	0 01:10	0.21	0.09	0.43	
C-STRM-8_(C-STRM) CONDUIT	0.000	0 00:00	0.00	0.00	0.08	
C-STRM-80_(C-STRM) CONDUIT	3.384	0 01:14	1.67	0.93	0.75	
C-STRM-81_(C-STRM) CONDUIT	3.405	0 01:14	1.97	0.93	0.64	
C-STRM-82_(C-STRM) CONDUIT	3.408	0 01:15	2.53	0.94	0.52	
C-STRM-83_(1)_(C-STRM) CONDUIT	2.091	0 01:10	1.73	0.76	0.67	
C-STRM-84_(C-STRM) CONDUIT	2.630	0 01:11	1.40	0.75	0.90	
C-STRM-87_(C-STRM) CONDUIT	0.000	0 00:00	0.00	0.00	0.04	
CVR-C2 CONDUIT	0.051	0 01:18	1.51	0.19	0.27	
CVR-C3 CONDUIT	0.114	0 01:27	2.07	0.70	0.46	
CVR-C4 CONDUIT	0.243	0 01:24	1.92	0.08	0.17	
ST4-Pipe_-_(99)_(P-Stm) CONDUIT	0.248	0 02:49	1.18	0.26	0.36	
W1	CHANNEL	0.841	0 01:27	0.60	0.00	0.02
OR1	ORIFICE	0.248	0 02:48			1.00
OR2	ORIFICE	0.000	0 00:00			0.00
W10	WEIR	0.000	0 00:00			0.00
W11	WEIR	0.000	0 00:00			0.00
W12	WEIR	0.000	0 00:00			0.00
W13	WEIR	0.000	0 00:00			0.00
W14	WEIR	0.000	0 00:00			0.00
W15	WEIR	0.000	0 00:00			0.00
W16	WEIR	0.000	0 00:00			0.00
W17	WEIR	0.000	0 00:00			0.00
W2	WEIR	0.000	0 00:00			0.00
W3	WEIR	0.000	0 00:00			0.00
W4	WEIR	0.000	0 00:00			0.00
W5	WEIR	0.000	0 00:00			0.00
W6	WEIR	0.000	0 00:00			0.00
W7	WEIR	0.000	0 00:00			0.00
W8	WEIR	0.000	0 00:00			0.00
W9	WEIR	0.000	0 00:00			0.00
C-STRM-108_(1)_(C-STRM) DUMMY	0.069	0 01:16				
C-STRM-14_(1)_(C-STRM) DUMMY	0.664	0 01:10				
C-STRM-27_(C-STRM) DUMMY	0.239	0 01:10				
C-STRM-42_(C-STRM) DUMMY	0.378	0 01:09				
C-STRM-44_(1)_(C-STRM) DUMMY	0.188	0 01:10				
C-STRM-45_(1)_(C-STRM) DUMMY	0.208	0 01:10				
C-STRM-61_(C-STRM) DUMMY	0.374	0 01:10				
C-STRM-71_(C-STRM) DUMMY	0.514	0 01:10				
C-STRM-83_(C-STRM) DUMMY	1.602	0 01:10				
C-STRM-93_(C-STRM) DUMMY	0.113	0 01:10				
C-STRM-96_(1)_(C-STRM) DUMMY	0.222	0 01:09				
C-STRM-97_(1)_(C-STRM) DUMMY	0.107	0 01:10				
C-STRM-98_(1)_(C-STRM) DUMMY	0.211	0 01:10				
OL1	DUMMY	0.138	0 01:10			
OL10	DUMMY	0.026	0 00:42			
OL11	DUMMY	0.069	0 01:10			
OL12	DUMMY	0.195	0 01:10			
OL13	DUMMY	0.046	0 01:10			
OL14	DUMMY	0.167	0 01:10			
OL15	DUMMY	0.269	0 01:10			
OL16	DUMMY	0.075	0 01:10			
OL17	DUMMY	0.103	0 01:10			
OL18	DUMMY	0.014	0 01:06			
OL19	DUMMY	0.056	0 01:08			
OL2	DUMMY	0.160	0 01:10			
OL20	DUMMY	0.019	0 01:10			
OL21	DUMMY	0.026	0 01:20			
OL22	DUMMY	0.021	0 01:07			
OL3	DUMMY	0.040	0 01:10			
OL4	DUMMY	0.077	0 01:10			
OL5	DUMMY	0.076	0 01:10			
OL6	DUMMY	0.001	0 01:11			
OL7	DUMMY	0.079	0 01:10			
OL8	DUMMY	0.245	0 01:10			
OL9	DUMMY	0.050	0 01:10			

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Flow Classification Summary
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	Adjusted	Fraction of Time in Flow Class			

Conduit	/Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.86	0.00
BDR-C2	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.62	0.00
BDR-C3	1.00	0.02	0.00	0.00	0.76	0.22	0.00	0.00	0.00	0.00
BDR-C4	1.00	0.02	0.00	0.00	0.78	0.20	0.00	0.00	0.90	0.00
C1	1.00	0.84	0.03	0.00	0.13	0.00	0.00	0.00	0.95	0.00
C1_1	1.00	0.82	0.03	0.00	0.15	0.00	0.00	0.00	0.95	0.00
C1_11	1.00	0.86	0.01	0.00	0.09	0.04	0.00	0.00	0.01	0.00
C1_2	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.02	0.86	0.00	0.11	0.02	0.00	0.00	0.94	0.00
C1_5	1.00	0.84	0.01	0.00	0.13	0.02	0.00	0.00	0.02	0.00
C1_6	1.00	0.04	0.00	0.00	0.80	0.17	0.00	0.00	0.78	0.00
C1_7	1.00	0.02	0.03	0.00	0.71	0.24	0.00	0.00	0.13	0.00
C1_8	1.00	0.86	0.02	0.00	0.11	0.01	0.00	0.00	0.96	0.00
C1_9	1.00	0.86	0.01	0.00	0.09	0.04	0.00	0.00	0.01	0.00
C2	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.04	0.00	0.00	0.95	0.01	0.00	0.00	0.94	0.00
C2_11	1.00	0.02	0.02	0.00	0.51	0.44	0.00	0.00	0.01	0.00
C2_12	1.00	0.02	0.85	0.00	0.12	0.01	0.00	0.00	0.94	0.00
C2_13	1.00	0.02	0.02	0.00	0.90	0.06	0.00	0.00	0.02	0.00
C2_14	1.00	0.02	0.85	0.00	0.11	0.01	0.00	0.00	0.95	0.00
C2_15	1.00	0.02	0.02	0.00	0.75	0.21	0.00	0.00	0.01	0.00
C2_16	1.00	0.87	0.01	0.00	0.09	0.03	0.00	0.00	0.95	0.00
C2_18	1.00	0.88	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_2	1.00	0.02	0.85	0.00	0.11	0.01	0.00	0.00	0.95	0.00
C2_3	1.00	0.87	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.04	0.00	0.00	0.85	0.11	0.00	0.00	0.85	0.00
C2_5	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_8	1.00	0.02	0.86	0.00	0.10	0.01	0.00	0.00	0.95	0.00
C2_9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_2	1.00	0.88	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_6	1.00	0.86	0.02	0.00	0.12	0.00	0.00	0.00	0.95	0.00
C3_7	1.00	0.86	0.00	0.00	0.13	0.00	0.00	0.00	0.02	0.00
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_6	1.00	0.61	0.27	0.00	0.09	0.03	0.00	0.00	0.94	0.00
C4_7	1.00	0.62	0.38	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_1	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.89	0.00
C5_10	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.96	0.00
C5_11	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_12	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.03	0.00	0.00	0.25	0.72	0.00	0.00	0.00	0.00
C5_14	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.66	0.00
C5_15	1.00	0.03	0.00	0.00	0.97	0.01	0.00	0.00	0.95	0.00
C5_16	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.02	0.02	0.00	0.96	0.00	0.00	0.00	0.95	0.00
C5_18	1.00	0.05	0.00	0.00	0.69	0.26	0.00	0.00	0.62	0.00
C5_19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.70	0.00
C5_2	1.00	0.04	0.00	0.00	0.61	0.36	0.00	0.00	0.00	0.00
C5_20	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_21	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.03	0.00	0.00	0.77	0.20	0.00	0.00	0.57	0.00
C5_24	1.00	0.11	0.00	0.00	0.55	0.34	0.00	0.00	0.28	0.00
C5_25	1.00	0.27	0.12	0.00	0.53	0.08	0.00	0.00	0.00	0.00
C5_3	1.00	0.03	0.00	0.00	0.97	0.01	0.00	0.00	0.96	0.00
C5_4	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.95	0.00
C5_5	1.00	0.05	0.00	0.00	0.95	0.01	0.00	0.00	0.00	0.00
C5_6	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.89	0.00
C5_7	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_8	1.00	0.02	0.03	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C5_9	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C7	1.00	0.62	0.00	0.00	0.00	0.00	0.00	0.38	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.14	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.01	0.41	0.00
C-STRM-1_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.04	0.84	0.00	0.11	0.00	0.00	0.01	0.88	0.00
C-STRM-101_(C-STRM)	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-102_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.02	0.00	0.00	0.06	0.00
C-STRM-105_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.93	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.94	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.50	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.68	0.00
C-STRM-2_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.67	0.00
C-STRM-20_(C-STRM)	1.00	0.04	0.01	0.00	0.01	0.00	0.00	0.94	0.01	0.00
C-STRM-21_(C-STRM)	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.88	0.00
C-STRM-23_(C-STRM)	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.95	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-26_(C-STRM)	1.00	0.03	0.04	0.00	0.93	0.00	0.00	0.00	0.94	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00
0.72 0.00										
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.01	0.00	0.00	0.96	0.00	
0.00										
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.86	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.70	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.15	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.02	0.77	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.92	0.00
C-STRM-33_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.73	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.02	0.79	0.00	0.19	0.00	0.00	0.00	0.94	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.02	0.00	0.00	0.93	0.03	0.00	0.01	0.86	0.00
C-STRM-45_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.87	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.75	0.00
C-STRM-49_(C-STRM)	1.00	0.02	0.37	0.00	0.60	0.00	0.00	0.00	0.89	0.00
C-STRM-50_(C-STRM)	1.00	0.03	0.00	0.00	0.04	0.00	0.00	0.93	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.02	0.00	0.00	0.03	0.00	0.00	0.95	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.74	0.00
C-STRM-53_(C-STRM)	1.00	0.02	0.18	0.00	0.79	0.00	0.00	0.00	0.68	0.00
C-STRM-57_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.52	0.00
C-STRM-60_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.01	0.00
C-STRM-62_(C-STRM)	1.00	0.02	0.00	0.00	0.01	0.00	0.00	0.97	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.03	0.00	0.00	0.07	0.00	0.00	0.90	0.03	0.00
C-STRM-64_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.02	0.00	0.00	0.49	0.00	0.00	0.48	0.15	0.00
C-STRM-77_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.38	0.00
C-STRM-78_(C-STRM)	1.00	0.02	0.00	0.00	0.49	0.00	0.00	0.49	0.13	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.71	0.00
C-STRM-79_(C-STRM)	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.95	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.04	0.01	0.00	0.02	0.00	0.00	0.93	0.01	0.00
C-STRM-8_(C-STRM)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.84	0.00
C-STRM-81_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.71	0.00
C-STRM-82_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.41	0.00
C-STRM-84_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.71	0.00
C-STRM-87_(C-STRM)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.05	0.00	0.00	0.84	0.12	0.00	0.00	0.87	0.00
CVR-C3	1.00	0.02	0.00	0.00	0.25	0.73	0.00	0.00	0.07	0.00
CVR-C4	1.00	0.02	0.00	0.00	0.60	0.38	0.00	0.00	0.07	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.02	0.00	0.00	0.17	0.00	0.00	0.81	0.00	0.00
W1	1.00	0.90	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00

C-STRM-102_(C-STRM)	0.01	0.04	0.01	0.01	0.01
C-STRM-26_(1)_(C-STRM)	0.01	0.01	0.09	0.01	0.01
C-STRM-49_(C-STRM)	0.12	0.12	0.13	0.01	0.01
C-STRM-50_(C-STRM)	0.13	0.13	0.14	0.01	0.04
C-STRM-51_(C-STRM)	0.14	0.14	0.14	0.01	0.13
C-STRM-52_(C-STRM)	0.14	0.14	0.15	0.01	0.09
C-STRM-53_(C-STRM)	0.15	0.15	0.15	0.08	0.15
C-STRM-57_(C-STRM)	0.09	0.11	0.09	0.01	0.09
C-STRM-63_(C-STRM)	0.01	0.01	0.06	0.01	0.01
C-STRM-76_(C-STRM)	0.12	0.15	0.12	0.08	0.12
C-STRM-77_(C-STRM)	0.01	0.12	0.04	0.01	0.01
C-STRM-78_(C-STRM)	0.09	0.09	0.12	0.01	0.01

Analysis begun on: Thu Jun 25 09:02:39 2026
Analysis ended on: Thu Jun 25 09:03:34 2026
Total elapsed time: 00:00:55

****
Conduit Surcharge Summary
****

Conduit	Hours Full: Both Ends	Hours Full: Upstream	Hours Full: Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.01	0.01	0.04	0.01
BDR-C2	0.01	0.01	0.01	0.35	0.01
C-STRM-1_(C-STRM)	0.01	0.06	0.01	0.13	0.01

Post-Development 1:5 year 3-hour Chicago Event

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                    Data       Recording
  Name                 Data Source                  Type       Interval
  ---------------------------------------------------------------------
  24SCS100             24SCS100                     INTENSITY   15 min.
  6SCS050              6SCS050                      INTENSITY   15 min.
  Rainfall             CHI_3hr_5                    INTENSITY   10 min.


  ********************
  Subcatchment Summary
  ********************
  Name                 Area     Width   %Imperv    %Slope Rain Gage            Outlet
  ------------------------------------------------------------------------------------
---------------
  A15_1                1.31     13.10     18.98    0.5000 Rainfall             EXD_8
  A15_2                2.15     13.10     18.98    0.5000 Rainfall             EXD_12
  A18                  0.59    338.21     39.12    0.5000 Rainfall             EXD_25
  A19                  1.11    332.78     22.32    0.5000 Rainfall             EXD_20
  A20                  4.83    279.76      8.37    1.5000 Rainfall             EXD_15
  NULL3                0.57    312.75     83.33    1.4500 Rainfall             EXD_27
  S1                   6.51   1465.85     64.29    2.0000 Rainfall             S_607-605
  S1_1                 0.09    154.58     71.43    2.0000 Rainfall             J19
  S1_2                 0.14    147.72     71.43    2.0000 Rainfall             J21
  S10_1                1.84    414.84     64.29    2.0000 Rainfall             S_620-619
  S10_2                2.13    479.37     64.29    2.0000 Rainfall             S_623-622
  S10_4                0.74    165.67     64.29    2.0000 Rainfall             S_627-630
  S10_5                1.26    284.06     64.29    2.0000 Rainfall             S_622-619
  S11                  3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                  0.44    346.44     71.43    2.0000 Rainfall             J2
  S14_1                0.60    371.55     71.43    2.0000 Rainfall             J27
  S14_3                1.06    381.29     71.43    2.0000 Rainfall             J57
  S14_4                0.31    138.84     71.43    2.0000 Rainfall             J47
  S14_5                1.69    653.02     71.43    2.0000 Rainfall             J28
  S14_6                0.28    141.02     71.43    2.0000 Rainfall             J58
  S14_7                1.19    549.94     71.43    2.0000 Rainfall             J60
  S14_8                0.43    191.40     71.43    2.0000 Rainfall             J50
  S15                  1.64    368.26     64.29    2.0000 Rainfall             S_525-MTD
  S16_1                0.46     16.60    100.00    0.5000 Rainfall             EXD_10
  S16_2                0.99     16.60    100.00    0.5000 Rainfall             EXD_8
  S17                  6.26    202.00      3.33    0.5000 Rainfall             EXD_7
  S18_2                3.35    754.05     67.14    2.0000 Rainfall             S_545-541
  S18_3                1.66    372.76     67.14    2.0000 Rainfall             S_528-525
  S18_4                0.88    197.06     67.14    2.0000 Rainfall             S_540-536
  S18_5                1.83    412.02     67.14    2.0000 Rainfall             S_536-532
  S18_6                0.84    188.96     67.14    2.0000 Rainfall             S_532-528
  S19                  0.97    462.04     71.43    2.0000 Rainfall             J35
  S2                   0.37    154.58     71.43    2.0000 Rainfall             J20
  S2_1                 3.14    707.17     67.14    2.0000 Rainfall             637_(C-
STRM)
  S2_2                 1.01    228.16     67.14    2.0000 Rainfall             633_(C-
STRM)
  S20_1                0.45    284.74     71.43    2.0000 Rainfall             J42
  S20_2                0.24    137.80     71.43    2.0000 Rainfall             J38
  S3                   2.12    476.98     64.29    2.0000 Rainfall             S_652-604
  S32_1                0.43    369.16     71.43    2.0000 Rainfall             J43
  S32_2                0.16     35.80     64.29    2.0000 Rainfall             S_504-503
  S36                  1.82     21.00    100.00    0.5000 Rainfall             EXD_10
  S4                  13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                   3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                   0.34    261.05     57.14    2.0000 Rainfall             OF2
  S7                   3.99    402.80     85.71    0.5000 Rainfall             POND_(C-
STRM)
  S8                   1.60    121.93     35.71    2.0000 Rainfall             PARK


  ************
  Node Summary
  ************
                                        Invert      Max.    Ponded    External
  Name                 Type              Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------
  EXD_1                JUNCTION         104.39      1.51       0.0
  EXD_10               JUNCTION          98.65      1.20       0.0
  EXD_11               JUNCTION          98.50      1.20       0.0
  EXD_12               JUNCTION          98.31      1.20       0.0
  EXD_13               JUNCTION         104.32      1.10       0.0
  EXD_14               JUNCTION         102.49      0.80       0.0
  EXD_15               JUNCTION         100.27      0.80       0.0
  EXD_16               JUNCTION         100.20      0.80       0.0
  EXD_17               JUNCTION          99.89      0.80       0.0
  EXD_18               JUNCTION          99.40      0.84       0.0
  EXD_19               JUNCTION          99.19      0.88       0.0
  EXD_2                JUNCTION         103.47      1.93       0.0
  EXD_20               JUNCTION          99.19      0.88       0.0
  EXD_21               JUNCTION          99.18      0.88       0.0
  EXD_22               JUNCTION          99.14      0.88       0.0
  EXD_23               JUNCTION          98.75      1.14       0.0
  EXD_24               JUNCTION          98.67      1.14       0.0
  EXD_25               JUNCTION          98.52      1.13       0.0
  EXD_26               JUNCTION          98.48      1.13       0.0
  EXD_27               JUNCTION          98.17      1.20       0.0
  EXD_3                JUNCTION         103.19      1.41       0.0
  EXD_4                JUNCTION         102.64      1.20       0.0
  EXD_5                JUNCTION         102.50      1.20       0.0
  EXD_6                JUNCTION         102.32      1.08       0.0
  EXD_7                JUNCTION         101.50      1.06       0.0
  EXD_8                JUNCTION         100.48      1.06       0.0
  EXD_9                JUNCTION         100.39      1.06       0.0
  J1                   JUNCTION         103.45      0.50       0.0
  J13                  JUNCTION         103.30      0.50       0.0
  J17                  JUNCTION         104.37      1.04       0.0
  J19                  JUNCTION         105.60      0.50       0.0
  J2                   JUNCTION         109.00      0.50       0.0
  J20                  JUNCTION         105.80      0.50       0.0
  J21                  JUNCTION         105.90      0.50       0.0
  J22                  JUNCTION         106.00      0.50       0.0
  J23                  JUNCTION         106.20      0.50       0.0
  J27                  JUNCTION         109.00      0.50       0.0
  J28                  JUNCTION         108.80      0.50       0.0
  J3                   JUNCTION         103.70      0.50       0.0
  J31                  JUNCTION         106.00      0.50       0.0
  J35                  JUNCTION         104.70      0.50       0.0
  J36                  JUNCTION         104.93      0.50       0.0
  J37                  JUNCTION         104.65      0.50       0.0
  J38                  JUNCTION         104.60      0.50       0.0
  J39                  JUNCTION         104.45      0.50       0.0
  J4                   JUNCTION         103.60      0.50       0.0
  J40                  JUNCTION         103.20      0.50       0.0
  J42                  JUNCTION         104.20      0.50       0.0
  J43                  JUNCTION         104.50      0.50       0.0
  J45                  JUNCTION         104.60      0.50       0.0
  J46                  JUNCTION         105.10      0.50       0.0
  J47                  JUNCTION         105.75      0.50       0.0
  J49                  JUNCTION         105.30      0.50       0.0
  J5                   JUNCTION         103.50      0.50       0.0
  J50                  JUNCTION         106.75      0.50       0.0
  J51                  JUNCTION         109.75      0.50       0.0
  J52                  JUNCTION         109.00      0.50       0.0
  J55                  JUNCTION         109.10      0.50       0.0
  J56                  JUNCTION         108.47      0.50       0.0
  J57                  JUNCTION         108.40      0.50       0.0
  J58                  JUNCTION         108.00      0.50       0.0
  J6                   JUNCTION         103.40      0.50       0.0
  J60                  JUNCTION         107.00      0.50       0.0
  J61                  JUNCTION         106.50      0.50       0.0
  J62                  JUNCTION         105.70      0.50       0.0
  J63                  JUNCTION         105.20      0.50       0.0
  J66                  JUNCTION         107.75      0.50       0.0
  J67                  JUNCTION         107.50      0.50       0.0
  J74                  JUNCTION          98.45      0.90       0.0
  OF1                  OUTFALL          100.80      0.00       0.0
  OF2                  OUTFALL            0.00      0.00       0.0
  OF3                  OUTFALL           98.00      1.06       0.0
  ST4_108A_(P-Stm)     OUTFALL           98.02      1.19       0.0
  500_(C-STRM)         STORAGE          100.37      2.79       0.0
  502_(C-STRM)         STORAGE          100.57      3.70       0.0
  503_(C-STRM)         STORAGE          100.61      3.91       0.0
  504_(C-STRM)         STORAGE          103.06      2.80       0.0
  505_(C-STRM)         STORAGE          103.48      3.27       0.0
  506_(C-STRM)         STORAGE          103.83      3.15       0.0
  507_(C-STRM)         STORAGE          104.17      3.19       0.0
  508_(C-STRM)         STORAGE          104.39      3.18       0.0
  509_(C-STRM)         STORAGE          104.62      3.12       0.0
  510_(C-STRM)         STORAGE          104.87      3.06       0.0
  511_(C-STRM)         STORAGE          104.94      3.06       0.0
  512_(C-STRM)         STORAGE          105.14      3.10       0.0
  513_(C-STRM)         STORAGE          105.27      3.12       0.0
  514_(C-STRM)         STORAGE          105.61      3.13       0.0
  515_(C-STRM)         STORAGE          105.88      3.22       0.0
  516_(C-STRM)         STORAGE          105.48      3.03       0.0
  517_(C-STRM)         STORAGE          105.64      3.00       0.0
  518_(C-STRM)         STORAGE          105.88      2.90       0.0
  519_(C-STRM)         STORAGE          106.10      2.79       0.0
  520_(C-STRM)         STORAGE          106.37      2.63       0.0
  522_(C-STRM)         STORAGE          104.31      3.00       0.0
  525_(C-STRM)         STORAGE          100.58      2.72       0.0
  528_(C-STRM)         STORAGE          100.70      2.71       0.0
  532_(C-STRM)         STORAGE          100.80      2.70       0.0
  536_(C-STRM)         STORAGE          100.95      2.65       0.0
  540_(C-STRM)         STORAGE          100.83      2.87       0.0
  541_(C-STRM)         STORAGE          100.91      2.92       0.0
  551_(C-STRM)         STORAGE          100.67      3.79       0.0
  552_(C-STRM)         STORAGE          100.77      3.86       0.0
  553_(C-STRM)         STORAGE          100.96      3.76       0.0
  554_(C-STRM)         STORAGE          101.08      3.89       0.0
  555_(C-STRM)         STORAGE          101.27      4.08       0.0
  556_(C-STRM)         STORAGE          101.39      4.21       0.0
  601_(C-STRM)         STORAGE          100.43      4.45       0.0
  602_(C-STRM)         STORAGE          100.48      4.16       0.0
  603_(C-STRM)         STORAGE          100.55      3.99       0.0
  604_(C-STRM)         STORAGE          100.63      5.14       0.0
  605_(C-STRM)         STORAGE          101.38      5.35       0.0
  619_(C-STRM)         STORAGE          101.12      5.40       0.0
  622_(C-STRM)         STORAGE          101.24      4.78       0.0
  626_(C-STRM)         STORAGE          104.00      3.20       0.0
  627_(C-STRM)         STORAGE          103.20      3.50       0.0
  629_(C-STRM)         STORAGE          101.71      4.40       0.0
  630_(C-STRM)         STORAGE          101.83      4.37       0.0
  630A_(C-STRM)        STORAGE          101.88      4.12       0.0
  633_(C-STRM)         STORAGE          105.30      3.50       0.0
  634_(C-STRM)         STORAGE          101.88      3.82       0.0
  637_(C-STRM)         STORAGE          105.35      0.50       0.0
  643_(C-STRM)         STORAGE          102.07      3.45       0.0
  644_(C-STRM)         STORAGE          102.54      3.17       0.0
  645_(C-STRM)         STORAGE          102.30      3.61       0.0
  646_(C-STRM)         STORAGE          102.43      3.34       0.0
  647_(C-STRM)         STORAGE          102.57      3.03       0.0
  650_(C-STRM)         STORAGE          100.99      5.17       0.0
  651_(C-STRM)         STORAGE          100.89      4.99       0.0
  652_(C-STRM)         STORAGE          100.87      4.97       0.0
  Filter_Bed           STORAGE          100.10      1.48       0.0
  Industrial_NORTH     STORAGE          105.20      0.50       0.0
  Industrial_South     STORAGE          105.00      0.50       0.0
  MTD_(C-STRM)         STORAGE          100.36      3.02       0.0
  OVERFLOW_(C-STRM)    STORAGE          100.17      2.83       0.0
  PARK                 STORAGE          105.36      0.50       0.0
  POND_(C-STRM)        STORAGE           98.45      2.65       0.0    Yes
  S_504-503            STORAGE          105.75      0.50       0.0
  S_525-MTD            STORAGE          103.45      0.50       0.0
  S_528-525            STORAGE          103.50      0.50       0.0
  S_532-528            STORAGE          103.65      0.50       0.0
  S_536-532            STORAGE          103.70      0.50       0.0
  S_540-536            STORAGE          103.85      0.50       0.0
  S_545-541            STORAGE          103.90      0.50       0.0
  S_607-605            STORAGE          107.90      0.50       0.0
  S_620-619            STORAGE          106.90      0.50       0.0
  S_622-619            STORAGE          106.00      0.50       0.0
  S_623-622            STORAGE          106.50      0.50       0.0
  S_627-630            STORAGE          106.70      0.50       0.0
  S_652-604            STORAGE          105.85      0.50       0.0
  Woodlot_North        STORAGE          106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                 From Node        To Node          Type          Length    %Slope
Roughness
  ---------------------------------------------------------------------------------------
-
  BDR-C1               EXD_15           EXD_16           CONDUIT         17.7    0.3844
0.0250
  BDR-C2               EXD_20           EXD_21           CONDUIT          7.9    0.0632
0.0130
  BDR-C3               EXD_25           EXD_26           CONDUIT         14.2    0.2683
0.0130
  BDR-C4               EXD_12           EXD_27           CONDUIT         23.0    0.6077
0.0130
  C1                   J27              J28              CONDUIT        185.8    0.1077
0.0130
```

C1_1	J28	J57	CONDUIT	329.5	0.1214	0.0130
C1_11	J47	J43	CONDUIT	75.0	1.6661	0.0130
C1_2	J55	J57	CONDUIT	190.6	0.3672	0.0130
C1_3	J56	J57	CONDUIT	40.0	0.1748	0.0130
C1_4	J58	J66	CONDUIT	70.2	0.3562	0.0130
C1_5	J57	J58	CONDUIT	76.8	0.5205	0.0130
C1_6	J66	J67	CONDUIT	70.0	0.3571	0.0130
C1_7	J67	J60	CONDUIT	69.8	0.7166	0.0130
C1_8	J60	J50	CONDUIT	73.0	0.3424	0.0130
C1_9	J50	J47	CONDUIT	92.6	1.0800	0.0130
C2	J2	EXD_1	CONDUIT	173.2	1.9632	0.0130
C2_1	J51	J52	CONDUIT	39.5	1.8977	0.0130
C2_10	J63	J36	CONDUIT	39.5	0.6883	0.0130
C2_11	J36	J35	CONDUIT	72.0	0.3166	0.0130
C2_12	J35	J37	CONDUIT	45.5	0.1098	0.0130
C2_13	J37	J38	CONDUIT	28.9	0.1729	0.0130
C2_14	J38	J39	CONDUIT	44.0	0.3457	0.0130
C2_15	J39	J42	CONDUIT	72.0	0.3442	0.0130
C2_16	J43	J42	CONDUIT	31.1	0.9633	0.0130
C2_18	J45	J43	CONDUIT	70.2	0.1425	0.0130
C2_2	J60	J61	CONDUIT	75.0	0.6666	0.0130
C2_3	J52	J60	CONDUIT	165.4	1.2090	0.0130
C2_4	J61	J31	CONDUIT	72.0	0.6944	0.0130
C2_5	J23	J31	CONDUIT	163.3	0.1225	0.0130
C2_7	J23	J22	CONDUIT	27.9	0.7165	0.0130
C2_8	J19	J63	CONDUIT	110.8	0.3610	0.0130
C2_9	J46	J45	CONDUIT	93.4	0.5355	0.0130
C3	J3	J4	CONDUIT	72.6	0.1378	0.0130
C3_2	J22	J21	CONDUIT	73.0	0.1370	0.0130
C3_6	J21	J20	CONDUIT	75.8	0.1319	0.0130
C3_7	J20	J19	CONDUIT	112.3	0.1781	0.0130
C4	J4	J5	CONDUIT	49.7	0.2012	0.0130
C4_5	J1	J13	CONDUIT	118.4	0.1267	0.0130
C4_6	J42	J40	CONDUIT	45.9	2.1776	0.0130
C4_7	J13	J40	CONDUIT	64.4	0.1553	0.0130
C5	J5	J6	CONDUIT	68.4	0.1461	0.0130
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054	0.0250
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866	0.0250
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893	0.0250
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098	0.0250
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876	0.0250
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550	0.0250
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893	0.0250
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781	0.0250
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645	0.0250
C5_18	J31	J62	CONDUIT	71.0	0.4225	0.0130
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558	0.0250
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933	0.0250
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645	0.0250
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626	0.0250
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299	0.0250
C5_24	J62	J49	CONDUIT	91.3	0.4382	0.0130
C5_25	J49	J38	CONDUIT	76.5	0.9152	0.0130
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195	0.0250
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880	0.0250
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893	0.0250
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871	0.0250
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091	0.0250
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095	0.0250
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087	0.0250
C6	J6	J13	CONDUIT	71.5	0.1398	0.0130
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144	0.0130
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998	0.0130
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500	0.0130
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500	0.0130
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	CONDUIT	26.4	0.4998	0.0130
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021	0.0130
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	CONDUIT	14.0	0.5008	0.0130
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502	0.0130
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500	0.0130
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502	0.0130
C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495	0.0130
C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498	0.0130
C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502	0.0130
C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002	0.0130
C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995	0.0130
C-STRM-22_(1)_(C-STRM)	629_(C-STRM)	622_(C-STRM)	CONDUIT	81.4	0.1499	0.0130
C-STRM-22_(C-STRM)	630_(C-STRM)	629_(C-STRM)	CONDUIT	82.1	0.1498	0.0130
C-STRM-23_(C-STRM)	634_(C-STRM)	622_(C-STRM)	CONDUIT	72.0	0.1500	0.0130
C-STRM-26_(1)_(C-STRM)	551_(C-STRM)	502_(C-STRM)	CONDUIT	60.8	0.1613	0.0130
C-STRM-26_(C-STRM)	552_(C-STRM)	551_(C-STRM)	CONDUIT	60.3	0.1593	0.0130
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	506_(C-STRM)	505_(C-STRM)	CONDUIT	70.0	0.4998	0.0130
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	507_(C-STRM)	506_(C-STRM)	CONDUIT	51.7	0.5005	0.0130
C-STRM-3_(1)_(1)_(1)_(C-STRM)	508_(C-STRM)	507_(C-STRM)	CONDUIT	45.5	0.5011	0.0130
C-STRM-3_(1)_(1)_(C-STRM)	509_(C-STRM)	508_(C-STRM)	CONDUIT	45.5	0.4989	0.0130
C-STRM-3_(1)_(2)_(C-STRM)	510_(C-STRM)	509_(C-STRM)	CONDUIT	55.7	0.4507	0.0130
C-STRM-3_(1)_(C-STRM)	511_(C-STRM)	510_(C-STRM)	CONDUIT	14.5	0.4469	0.0130
C-STRM-33_(1)_(C-STRM)	646_(C-STRM)	645_(C-STRM)	CONDUIT	91.0	0.1505	0.0130
C-STRM-33_(C-STRM)	647_(C-STRM)	646_(C-STRM)	CONDUIT	92.9	0.1496	0.0130
C-STRM-34_(1)_(1)_(C-STRM)	555_(C-STRM)	554_(C-STRM)	CONDUIT	75.2	0.1596	0.0130
C-STRM-34_(1)_(C-STRM)	556_(C-STRM)	555_(C-STRM)	CONDUIT	75.2	0.1596	0.0130
C-STRM-35_(1)_(C-STRM)	553_(C-STRM)	552_(C-STRM)	CONDUIT	72.1	0.1596	0.0130
C-STRM-35_(C-STRM)	554_(C-STRM)	553_(C-STRM)	CONDUIT	72.0	0.1611	0.0130
C-STRM-4_(1)_(C-STRM)	504_(C-STRM)	503_(C-STRM)	CONDUIT	83.2	0.6007	0.0130
C-STRM-4_(C-STRM)	505_(C-STRM)	504_(C-STRM)	CONDUIT	84.0	0.4998	0.0130
C-STRM-46_(1)_(1)_(C-STRM)	650_(C-STRM)	651_(C-STRM)	CONDUIT	68.0	0.1500	0.0130
C-STRM-46_(1)_(C-STRM)	619_(C-STRM)	650_(C-STRM)	CONDUIT	89.7	0.1506	0.0130
C-STRM-49_(C-STRM)	541_(C-STRM)	540_(C-STRM)	CONDUIT	47.7	0.1508	0.0130
C-STRM-50_(C-STRM)	540_(C-STRM)	536_(C-STRM)	CONDUIT	72.0	0.1500	0.0130
C-STRM-51_(C-STRM)	536_(C-STRM)	532_(C-STRM)	CONDUIT	48.5	0.1505	0.0130
C-STRM-52_(C-STRM)	532_(C-STRM)	528_(C-STRM)	CONDUIT	69.0	0.1507	0.0130
C-STRM-53_(C-STRM)	528_(C-STRM)	525_(C-STRM)	CONDUIT	75.0	0.1493	0.0130
C-STRM-57_(C-STRM)	503_(C-STRM)	502_(C-STRM)	CONDUIT	27.5	0.1489	0.0130
C-STRM-60_(C-STRM)	644_(C-STRM)	643_(C-STRM)	CONDUIT	67.2	0.2486	0.0130
C-STRM-62_(C-STRM)	520_(C-STRM)	519_(C-STRM)	CONDUIT	95.9	0.2003	0.0130
C-STRM-63_(C-STRM)	519_(C-STRM)	518_(C-STRM)	CONDUIT	97.4	0.1498	0.0130
C-STRM-64_(C-STRM)	522_(C-STRM)	EXD_1	CONDUIT	81.9	0.2504	0.0130
C-STRM-76_(C-STRM)	525_(C-STRM)	MTD_(C-STRM)	CONDUIT	72.6	0.1998	0.0130
C-STRM-77_(C-STRM)	MTD_(C-STRM)	OVERFLOW_(C-STRM)	CONDUIT	38.5	0.4986	0.0130
C-STRM-78_(C-STRM)	502_(C-STRM)	MTD_(C-STRM)	CONDUIT	44.0	0.3003	0.0130
C-STRM-79_(1)_(C-STRM)	604_(C-STRM)	603_(C-STRM)	CONDUIT	72.0	0.1000	0.0130
C-STRM-79_(C-STRM)	605_(C-STRM)	604_(C-STRM)	CONDUIT	89.5	0.1508	0.0130
C-STRM-8_(1)_(C-STRM)	514_(C-STRM)	513_(C-STRM)	CONDUIT	95.2	0.1997	0.0130
C-STRM-8_(C-STRM)	515_(C-STRM)	514_(C-STRM)	CONDUIT	95.1	0.1997	0.0130
C-STRM-80_(C-STRM)	603_(C-STRM)	602_(C-STRM)	CONDUIT	74.3	0.0996	0.0130
C-STRM-81_(C-STRM)	602_(C-STRM)	601_(C-STRM)	CONDUIT	46.7	0.1007	0.0130
C-STRM-82_(C-STRM)	601_(C-STRM)	POND_(C-STRM)	CONDUIT	33.0	0.1000	0.0130
C-STRM-83_(1)_(C-STRM)	630A_(C-STRM)	630_(C-STRM)	CONDUIT	27.1	0.1513	0.0130
C-STRM-84_(C-STRM)	622_(C-STRM)	619_(C-STRM)	CONDUIT	75.0	0.1493	0.0130
C-STRM-87_(C-STRM)	645_(C-STRM)	644_(C-STRM)	CONDUIT	68.6	0.2494	0.0130
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875	0.0130
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114	0.0130
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110	0.0130
ST4-Pipe_-_(99)_(P-Stm)	J74	ST4_108A_(P-Stm)	CONDUIT	49.3	0.2840	0.0130
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063	0.0250

OR1	POND_(C-STRM)	J74	ORIFICE
OR2	POND_(C-STRM)	J74	ORIFICE
W10	637_(C-STRM)	J35	WEIR
W11	633_(C-STRM)	J49	WEIR
W12	S_652-604	J47	WEIR
W13	S_545-541	J3	WEIR
W14	S_540-536	J3	WEIR
W15	S_536-532	J4	WEIR
W16	S_532-528	J5	WEIR
W17	S_528-525	J6	WEIR
W2	POND_(C-STRM)	OF1	WEIR
W3	S_504-503	J47	WEIR
W4	S_627-630	J23	WEIR
W5	S_525-MTD	J13	WEIR
W6	S_623-622	J31	WEIR
W7	S_620-619	J61	WEIR
W8	S_607-605	J50	WEIR
W9	S_622-619	J31	WEIR
C-STRM-108_(1)_(C-STRM)	633_(C-STRM)	634_(C-STRM)	OUTLET
C-STRM-14_(1)_(C-STRM)	S_607-605	605_(C-STRM)	OUTLET
C-STRM-27_(C-STRM)	S_623-622	622_(C-STRM)	OUTLET
C-STRM-42_(C-STRM)	S_545-541	541_(C-STRM)	OUTLET
C-STRM-44_(1)_(C-STRM)	S_525-MTD	525_(C-STRM)	OUTLET
C-STRM-45_(1)_(C-STRM)	S_620-619	619_(C-STRM)	OUTLET
C-STRM-61_(C-STRM)	637_(C-STRM)	643_(C-STRM)	OUTLET
C-STRM-71_(C-STRM)	Industrial_South	647_(C-STRM)	OUTLET
C-STRM-83_(C-STRM)	Industrial_NORTH	630A_(C-STRM)	OUTLET
C-STRM-93_(C-STRM)	S_540-536	540_(C-STRM)	OUTLET
C-STRM-96_(1)_(C-STRM)	S_536-532	536_(C-STRM)	OUTLET
C-STRM-97_(1)_(C-STRM)	S_532-528	532_(C-STRM)	OUTLET
C-STRM-98_(1)_(C-STRM)	S_528-525	528_(C-STRM)	OUTLET
OL1	J31	622_(C-STRM)	OUTLET
OL10	Filter_Bed	POND_(C-STRM)	OUTLET
OL11	J50	505_(C-STRM)	OUTLET
OL12	J60	506_(C-STRM)	OUTLET
OL13	J58	511_(C-STRM)	OUTLET
OL14	J57	513_(C-STRM)	OUTLET
OL15	J28	518_(C-STRM)	OUTLET
OL16	J2	522_(C-STRM)	OUTLET
OL17	J27	520_(C-STRM)	OUTLET
OL18	J19	647_(C-STRM)	OUTLET
OL19	J20	646_(C-STRM)	OUTLET
OL2	J35	553_(C-STRM)	OUTLET
OL20	S_504-503	504_(C-STRM)	OUTLET
OL21	PARK	602_(C-STRM)	OUTLET
OL22	J21	645_(C-STRM)	OUTLET
OL3	J38	552_(C-STRM)	OUTLET

OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET
OL6	Woodlot_North	626_(C-STRM)	OUTLET
OL7	S_627-630	627_(C-STRM)	OUTLET
OL8	S_652-604	652_(C-STRM)	OUTLET
OL9	J47	504_(C-STRM)	OUTLET

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-20_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm) CIRCULAR			0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2287	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9710	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4415	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4058	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1134	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772

0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912
0.3975	0.4038	0.4101	0.4147	0.4188
0.4228	0.4269	0.4309	0.4350	0.4390
0.4430	0.4471	0.4511	0.4552	0.4592
0.4633	0.4673	0.4719	0.4786	0.4852
0.4919	0.4986	0.5052	0.5119	0.5186
0.5252	0.5375	0.5591	0.5808	0.6126
0.6529	0.7560	0.7953	0.8372	1.0000

Transect Barnsdale_UPST5

Area:

0.0011	0.0046	0.0104	0.0185	0.0278
0.0383	0.0495	0.0612	0.0736	0.0865
0.1000	0.1141	0.1288	0.1443	0.1606
0.1778	0.1959	0.2143	0.2330	0.2518
0.2709	0.2903	0.3099	0.3296	0.3497
0.3699	0.3904	0.4111	0.4319	0.4530
0.4743	0.4958	0.5175	0.5395	0.5616
0.5839	0.6064	0.6292	0.6521	0.6753
0.6991	0.7235	0.7484	0.7740	0.8019
0.8364	0.8742	0.9142	0.9560	1.0000

Hrad:

0.0248	0.0493	0.0735	0.1040	0.1389
0.1735	0.2124	0.2498	0.2859	0.3209
0.3550	0.3881	0.4187	0.4434	0.4680
0.4924	0.5212	0.5606	0.5992	0.6372
0.6745	0.7111	0.7472	0.7827	0.8176
0.8520	0.8860	0.9202	0.9539	0.9872
1.0201	1.0525	1.0845	1.1162	1.1474
1.1784	1.2090	1.2392	1.2691	1.2876
1.2994	1.3117	1.3244	1.3163	1.1702
1.0461	1.0307	1.0260	1.0309	1.0000

Width:

0.0497	0.0999	0.1518	0.1903	0.2141
0.2355	0.2481	0.2607	0.2733	0.2859
0.2985	0.3111	0.3252	0.3438	0.3625
0.3813	0.3961	0.4010	0.4059	0.4108
0.4157	0.4206	0.4255	0.4303	0.4352
0.4401	0.4450	0.4494	0.4538	0.4583
0.4627	0.4672	0.4716	0.4761	0.4805
0.4850	0.4894	0.4938	0.4983	0.5078
0.5204	0.5330	0.5457	0.5684	0.6711
0.7919	0.8423	0.8866	0.9238	1.0000

Transect Barnsdale_UPST6

Area:

0.0014	0.0054	0.0102	0.0156	0.0217
0.0284	0.0356	0.0434	0.0517	0.0605
0.0698	0.0796	0.0899	0.1007	0.1121
0.1243	0.1373	0.1512	0.1656	0.1807
0.1962	0.2123	0.2291	0.2483	0.2703
0.2945	0.3189	0.3434	0.3680	0.3929
0.4178	0.4430	0.4687	0.4947	0.5212
0.5482	0.5760	0.6046	0.6335	0.6626
0.6921	0.7218	0.7518	0.7820	0.8133
0.8461	0.8801	0.9163	0.9564	1.0000

Hrad:

0.0226	0.0600	0.0982	0.1332	0.1659
0.1974	0.2291	0.2613	0.2925	0.3228
0.3524	0.3813	0.4096	0.4373	0.4557
0.4729	0.4908	0.5133	0.5388	0.5667
0.5954	0.6238	0.6186	0.5790	0.5404
0.5828	0.6246	0.6659	0.7067	0.7469
0.7867	0.8189	0.8502	0.8811	0.9116
0.9331	0.9497	0.9763	1.0109	1.0452
1.0791	1.1126	1.1458	1.1787	1.1574
1.1642	1.1570	1.1256	1.0602	1.0000

Width:

0.0656	0.0958	0.1094	0.1231	0.1368
0.1501	0.1622	0.1729	0.1837	0.1944
0.2052	0.2159	0.2267	0.2377	0.2539
0.2715	0.2891	0.3043	0.3175	0.3291
0.3399	0.3507	0.3819	0.4435	0.5186
0.5219	0.5251	0.5284	0.5317	0.5350
0.5382	0.5558	0.5647	0.5737	0.5827
0.5886	0.6068	0.6185	0.6243	0.6301
0.6359	0.6417	0.6475	0.6534	0.6932
0.7170	0.7512	0.8061	0.8978	1.0000

Transect Barnsdale_UPST7

Area:

0.0031	0.0077	0.0135	0.0206	0.0292
0.0385	0.0485	0.0590	0.0699	0.0811
0.0928	0.1047	0.1170	0.1297	0.1427
0.1561	0.1700	0.1843	0.1992	0.2145
0.2304	0.2467	0.2636	0.2810	0.3005
0.3224	0.3464	0.3708	0.3955	0.4204
0.4456	0.4710	0.4972	0.5239	0.5510
0.5784	0.6060	0.6340	0.6622	0.6907
0.7195	0.7487	0.7782	0.8081	0.8383
0.8691	0.9003	0.9322	0.9647	1.0000

Hrad:

0.0323	0.0624	0.0905	0.1084	0.1375
0.1686	0.1997	0.2314	0.2650	0.2977
0.3296	0.3608	0.3913	0.4212	0.4493
0.4751	0.5005	0.5247	0.5476	0.5703
0.5929	0.6154	0.6378	0.6601	0.5891
0.5938	0.5928	0.6266	0.6599	0.6927
0.7252	0.7501	0.7705	0.7948	0.8255
0.8559	0.8860	0.9157	0.9452	0.9727
1.0000	1.0270	1.0538	1.0784	1.1003
1.1221	1.1420	1.1557	1.1624	1.0000

Width:

0.0999	0.1304	0.1570	0.1994	0.2229
0.2396	0.2541	0.2664	0.2751	0.2837
0.2923	0.3010	0.3096	0.3183	0.3279
0.3390	0.3501	0.3618	0.3745	0.3872
0.3998	0.4124	0.4251	0.4377	0.5266
0.5610	0.6032	0.6092	0.6153	0.6213
0.6274	0.6399	0.6563	0.6692	0.6761
0.6830	0.6899	0.6967	0.7036	0.7118
0.7199	0.7281	0.7362	0.7458	0.7573
0.7688	0.7817	0.7991	0.8220	1.0000

Transect GBR

Area:

0.0002	0.0008	0.0018	0.0032	0.0051
0.0073	0.0099	0.0130	0.0164	0.0203
0.0245	0.0292	0.0343	0.0401	0.0532
0.0756	0.1002	0.1249	0.1496	0.1742
0.1989	0.2235	0.2482	0.2729	0.2975
0.3222	0.3468	0.3715	0.3962	0.4209
0.4460	0.4715	0.4974	0.5237	0.5505
0.5776	0.6051	0.6331	0.6614	0.6902
0.7193	0.7489	0.7789	0.8092	0.8400
0.8712	0.9028	0.9348	0.9672	1.0000

Hrad:

0.0148	0.0296	0.0444	0.0592	0.0741
0.0889	0.1037	0.1185	0.1333	0.1481
0.1629	0.1777	0.1925	0.1451	0.0889
0.0921	0.1222	0.1522	0.1821	0.2121
0.2420	0.2720	0.3019	0.3318	0.3616
0.3913	0.4211	0.4509	0.4809	0.5106
0.5398	0.5684	0.5963	0.6237	0.6505
0.6768	0.7026	0.7280	0.7529	0.7773
0.8013	0.8249	0.8480	0.8708	0.8932
0.9153	0.9369	0.9583	0.9793	1.0000

Width:

0.0123	0.0246	0.0369	0.0492	0.0614
0.0737	0.0860	0.0983	0.1106	0.1229
0.1352	0.1475	0.1598	0.2496	0.5446
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7542
0.7665	0.7788	0.7911	0.8034	0.8157
0.8280	0.8402	0.8525	0.8648	0.8771
0.8894	0.9017	0.9140	0.9263	0.9386
0.9508	0.9631	0.9754	0.9877	1.0000

Transect Pond_SpillWay

Area:

0.0040	0.0088	0.0142	0.0204	0.0274
0.0350	0.0434	0.0524	0.0622	0.0728
0.0840	0.0960	0.1087	0.1221	0.1362
0.1511	0.1666	0.1829	0.2000	0.2177
0.2362	0.2554	0.2753	0.2959	0.3173
0.3393	0.3621	0.3856	0.4099	0.4348
0.4600	0.4855	0.5113	0.5375	0.5640
0.5908	0.6180	0.6454	0.6732	0.7013
0.7297	0.7585	0.7875	0.8169	0.8466
0.8767	0.9070	0.9377	0.9687	1.0000

Hrad:

0.0187	0.0367	0.0543	0.0716	0.0888
0.1059	0.1230	0.1400	0.1570	0.1740
0.1910	0.2080	0.2251	0.2421	0.2592
0.2763	0.2935	0.3106	0.3278	0.3450
0.3622	0.3795	0.3967	0.4140	0.4313
0.4486	0.4660	0.4833	0.5007	0.5241
0.5500	0.5758	0.6013	0.6266	0.6517
0.6766	0.7013	0.7257	0.7498	0.7737
0.7974	0.8209	0.8441	0.8670	0.8898
0.9123	0.9345	0.9566	0.9784	1.0000

Width:

0.1394	0.1623	0.1853	0.2082	0.2311
0.2541	0.2770	0.2999	0.3229	0.3458
0.3687	0.3917	0.4146	0.4375	0.4605
0.4834	0.5063	0.5293	0.5522	0.5751
0.5981	0.6210	0.6439	0.6669	0.6898
0.7127	0.7357	0.7586	0.7815	0.7956
0.8139	0.8161	0.8263	0.8365	0.8467
0.8569	0.8672	0.8774	0.8876	0.8978
0.9080	0.9183	0.9285	0.9387	0.9489
0.9591	0.9693	0.9796	0.9898	1.0000

Transect ROW_14m

Area:

0.0004	0.0017	0.0038	0.0067	0.0104
0.0150	0.0204	0.0267	0.0338	0.0417
0.0504	0.0600	0.0704	0.0817	0.0938
0.1067	0.1204	0.1350	0.1504	0.1667
0.1838	0.2017	0.2204	0.2400	0.2605
0.2817	0.3038	0.3267	0.3502	0.3738
0.3973	0.4209	0.4446	0.4692	0.4952
0.5225	0.5510	0.5808	0.6118	0.6439
0.6767	0.7100	0.7440	0.7787	0.8140
0.8499	0.8865	0.9237	0.9615	1.0000

Hrad:

0.0169	0.0338	0.0507	0.0677	0.0846
0.1015	0.1184	0.1353	0.1522	0.1692
0.1861	0.2030	0.2199	0.2368	0.2537
0.2707	0.2876	0.3045	0.3214	0.3383
0.3552	0.3720	0.3891	0.4060	0.4229
0.4398	0.4567	0.4736	0.5027	0.5359
0.5691	0.6022	0.6353	0.6667	0.6957
0.7226	0.7474	0.7704	0.7918	0.8123
0.8326	0.8526	0.8721	0.8914	0.9103
0.9289	0.9471	0.9651	0.9827	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6200	0.6529	0.6857
0.7186	0.7514	0.7843	0.8171	0.8357
0.8521	0.8686	0.8850	0.9014	0.9179
0.9343	0.9507	0.9671	0.9836	1.0000

Transect ROW_14m_Mountable

Area:

0.0003	0.0012	0.0028	0.0049	0.0077
0.0111	0.0151	0.0197	0.0249	0.0307
0.0372	0.0442	0.0519	0.0602	0.0691
0.0787	0.0888	0.0996	0.1109	0.1229
0.1355	0.1487	0.1625	0.1770	0.1923
0.2092	0.2277	0.2477	0.2693	0.2924
0.3170	0.3433	0.3711	0.4004	0.4310
0.4626	0.4954	0.5293	0.5642	0.6002
0.6373	0.6755	0.7144	0.7538	0.7936
0.8340	0.8748	0.9160	0.9578	1.0000

Hrad:

0.0222	0.0445	0.0667	0.0889	0.1111
0.1334	0.1556	0.1778	0.2001	0.2223
0.2445	0.2667	0.2890	0.3112	0.3334
0.3556	0.3779	0.4001	0.4223	0.4446
0.4668	0.4890	0.5112	0.5335	0.5550
0.5733	0.5891	0.6029	0.6151	0.6263
0.6367	0.6465	0.6559	0.6653	0.6759
0.6872	0.6992	0.7116	0.7245	0.7378
0.7514	0.7663	0.7966	0.8266	0.8563
0.8856	0.9147	0.9434	0.9719	1.0000

Width:

0.0145	0.0290	0.0434	0.0579	0.0724
0.0869	0.1013	0.1158	0.1303	0.1448
0.1593	0.1737	0.1882	0.2027	0.2172
0.2316	0.2461	0.2606	0.2751	0.2896
0.3040	0.3185	0.3330	0.3475	0.3798
0.4164	0.4530	0.4897	0.5263	0.5629
0.5995	0.6362	0.6728	0.7080	0.7335
0.7591	0.7846	0.8102	0.8357	0.8613
0.8868	0.9114	0.9225	0.9336	0.9446
0.9557	0.9668	0.9779	0.9889	1.0000

Transect ROW_14m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0153	0.0209	0.0273	0.0345	0.0426
0.0516	0.0614	0.0721	0.0836	0.0959
0.1091	0.1232	0.1381	0.1539	0.1705
0.1880	0.2064	0.2255	0.2456	0.2665
0.2882	0.3108	0.3343	0.3583	0.3824
0.4065	0.4306	0.4548	0.4797	0.5055
0.5322	0.5598	0.5883	0.6176	0.6479
0.6791	0.7112	0.7441	0.7780	0.8127
0.8484	0.8850	0.9224	0.9608	1.0000

Hrad:

0.0166	0.0332	0.0498	0.0664	0.0830
0.0997	0.1163	0.1329	0.1495	0.1661
0.1827	0.1993	0.2159	0.2325	0.2491
0.2657	0.2823	0.2990	0.3156	0.3322
0.3488	0.3654	0.3820	0.3986	0.4152
0.4318	0.4484	0.4650	0.4935	0.5262
0.5588	0.5913	0.6238	0.6553	0.6853
0.7137	0.7407	0.7664	0.7909	0.8143
0.8366	0.8579	0.8783	0.8979	0.9166
0.9346	0.9519	0.9685	0.9845	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6160	0.6386	0.6612
0.6838	0.7063	0.7289	0.7515	0.7741
0.7967	0.8193	0.8419	0.8645	0.8871
0.9096	0.9322	0.9548	0.9774	1.0000

Transect ROW_14m-MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0407	0.0484	0.0568	0.0659	0.0757
0.0861	0.0972	0.1089	0.1214	0.1345
0.1483	0.1631	0.1791	0.1963	0.2146
0.2342	0.2549	0.2768	0.2999	0.3242

0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274
0.6618 0.6967 0.7326 0.7693 0.8064
0.8441 0.8823 0.9210 0.9603 1.0000

Hrad:
0.0198 0.0396 0.0594 0.0792 0.0990
0.1188 0.1386 0.1584 0.1782 0.1980
0.2178 0.2376 0.2574 0.2772 0.2971
0.3169 0.3367 0.3565 0.3763 0.3961
0.4159 0.4357 0.4520 0.4681 0.4834
0.4979 0.5119 0.5256 0.5389 0.5521
0.5650 0.5779 0.5907 0.6035 0.6162
0.6289 0.6560 0.6844 0.7123 0.7397
0.7667 0.7933 0.8190 0.8459 0.8726
0.8988 0.9247 0.9501 0.9752 1.0000

Width:
0.0168 0.0336 0.0504 0.0673 0.0841
0.1009 0.1177 0.1345 0.1513 0.1681
0.1849 0.2018 0.2186 0.2354 0.2522
0.2690 0.2858 0.3026 0.3195 0.3363
0.3552 0.3849 0.4146 0.4442 0.4739
0.5036 0.5332 0.5629 0.5926 0.6223
0.6519 0.6816 0.7113 0.7409 0.7706
0.8003 0.8150 0.8279 0.8407 0.8536
0.8664 0.8816 0.9093 0.9229 0.9357
0.9486 0.9614 0.9743 0.9871 1.0000

Transect ROW_16.5m_Mountable
Area:
0.0003 0.0012 0.0027 0.0048 0.0074
0.0107 0.0145 0.0190 0.0240 0.0297
0.0359 0.0428 0.0502 0.0582 0.0668
0.0760 0.0858 0.0962 0.1072 0.1188
0.1309 0.1437 0.1571 0.1710 0.1856
0.2012 0.2183 0.2369 0.2570 0.2786
0.3017 0.3263 0.3524 0.3800 0.4091
0.4397 0.4719 0.5055 0.5406 0.5772
0.6153 0.6544 0.6944 0.7354 0.7772
0.8199 0.8636 0.9082 0.9536 1.0000

Hrad:
0.0233 0.0465 0.0698 0.0931 0.1163
0.1396 0.1628 0.1861 0.2094 0.2326
0.2559 0.2792 0.3024 0.3257 0.3489
0.3722 0.3955 0.4187 0.4420 0.4653
0.4885 0.5118 0.5350 0.5583 0.5816
0.6036 0.6224 0.6386 0.6529 0.6657
0.6773 0.6882 0.6985 0.7084 0.7180
0.7275 0.7370 0.7464 0.7559 0.7655
0.7817 0.8084 0.8343 0.8597 0.8844
0.9085 0.9321 0.9552 0.9779 1.0000

Width:
0.0127 0.0254 0.0380 0.0507 0.0634
0.0761 0.0888 0.1014 0.1141 0.1268
0.1395 0.1522 0.1648 0.1775 0.1902
0.2029 0.2156 0.2283 0.2409 0.2536
0.2663 0.2790 0.2917 0.3043 0.3170
0.3491 0.3812 0.4132 0.4453 0.4774
0.5095 0.5415 0.5736 0.6057 0.6378
0.6698 0.7019 0.7340 0.7661 0.7981
0.8255 0.8448 0.8642 0.8836 0.9030
0.9224 0.9418 0.9612 0.9806 1.0000

Transect ROW_16.5m_PH3
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0154 0.0210 0.0275 0.0347 0.0429
0.0519 0.0618 0.0725 0.0841 0.0965
0.1098 0.1240 0.1390 0.1548 0.1716
0.1892 0.2076 0.2269 0.2471 0.2677
0.2884 0.3090 0.3297 0.3510 0.3731
0.3962 0.4201 0.4449 0.4705 0.4971
0.5245 0.5527 0.5819 0.6119 0.6428
0.6746 0.7073 0.7408 0.7752 0.8105
0.8466 0.8837 0.9216 0.9603 1.0000

Hrad:
0.0173 0.0347 0.0520 0.0694 0.0867
0.1041 0.1214 0.1388 0.1561 0.1735
0.1908 0.2082 0.2255 0.2429 0.2602
0.2776 0.2949 0.3123 0.3296 0.3470
0.3643 0.3817 0.3990 0.4164 0.4493
0.4834 0.5173 0.5513 0.5844 0.6155
0.6449 0.6727 0.6990 0.7239 0.7475
0.7699 0.7913 0.8116 0.8310 0.8496
0.8673 0.8843 0.9007 0.9164 0.9316
0.9462 0.9603 0.9739 0.9872 1.0000

Width:
0.0214 0.0428 0.0642 0.0856 0.1070
0.1284 0.1498 0.1712 0.1926 0.2140
0.2354 0.2568 0.2782 0.2996 0.3210
0.3424 0.3638 0.3852 0.4066 0.4280
0.4494 0.4708 0.4922 0.5136 0.5152
0.5152 0.5152 0.5200 0.5418 0.5636
0.5855 0.6073 0.6291 0.6509 0.6727
0.6945 0.7164 0.7382 0.7600 0.7818
0.8036 0.8255 0.8473 0.8691 0.8909
0.9127 0.9345 0.9564 0.9782 1.0000

Transect ROW_18m
Area:
0.0004 0.0016 0.0036 0.0064 0.0100
0.0144 0.0196 0.0255 0.0323 0.0399
0.0483 0.0575 0.0675 0.0782 0.0898
0.1022 0.1154 0.1293 0.1441 0.1597
0.1760 0.1932 0.2112 0.2299 0.2495
0.2698 0.2906 0.3114 0.3321 0.3529
0.3742 0.3967 0.4204 0.4452 0.4712
0.4983 0.5266 0.5560 0.5867 0.6184
0.6514 0.6855 0.7207 0.7571 0.7947
0.8335 0.8734 0.9144 0.9566 1.0000

Hrad:
0.0183 0.0366 0.0549 0.0732 0.0915
0.1098 0.1281 0.1464 0.1647 0.1829
0.2012 0.2195 0.2378 0.2561 0.2744
0.2927 0.3110 0.3293 0.3476 0.3659
0.3842 0.4025 0.4208 0.4391 0.4574
0.4757 0.5117 0.5476 0.5834 0.6192
0.6542 0.6864 0.7162 0.7437 0.7692
0.7927 0.8145 0.8348 0.8537 0.8713
0.8877 0.9031 0.9176 0.9313 0.9442
0.9565 0.9681 0.9792 0.9898 1.0000

Width:
0.0182 0.0363 0.0545 0.0726 0.0908
0.1090 0.1271 0.1453 0.1635 0.1816
0.1998 0.2179 0.2361 0.2543 0.2724
0.2906 0.3088 0.3269 0.3451 0.3632
0.3814 0.3996 0.4177 0.4359 0.4541
0.4722 0.4722 0.4722 0.4722 0.4722
0.4986 0.5250 0.5514 0.5778 0.6042
0.6306 0.6569 0.6833 0.7097 0.7361
0.7625 0.7889 0.8153 0.8417 0.8681
0.8944 0.9208 0.9472 0.9736 1.0000

Transect ROW_18m_MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:
0.0198 0.0396 0.0594 0.0793 0.0991
0.1189 0.1387 0.1585 0.1783 0.1982
0.2180 0.2378 0.2576 0.2774 0.2972
0.3166 0.3340 0.3498 0.3646 0.3786
0.3921 0.4053 0.4183 0.4311 0.4439
0.4566 0.4770 0.5054 0.5332 0.5603
0.5869 0.6122 0.6360 0.6586 0.6807
0.7040 0.7271 0.7499 0.7723 0.7944
0.8163 0.8378 0.8591 0.8800 0.9007
0.9211 0.9412 0.9611 0.9807 1.0000

Width:
0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_MB_2
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:
0.0198 0.0395 0.0593 0.0791 0.0989
0.1186 0.1384 0.1582 0.1780 0.1977
0.2175 0.2373 0.2571 0.2768 0.2966
0.3160 0.3333 0.3491 0.3638 0.3778
0.3913 0.4045 0.4174 0.4302 0.4430
0.4557 0.4760 0.5044 0.5321 0.5592
0.5857 0.6109 0.6347 0.6572 0.6793
0.7027 0.7258 0.7486 0.7711 0.7933
0.8152 0.8368 0.8581 0.8792 0.9000
0.9205 0.9408 0.9608 0.9805 1.0000

Width:
0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_Mountable
Area:
0.0003 0.0011 0.0026 0.0046 0.0072
0.0103 0.0140 0.0183 0.0232 0.0286
0.0346 0.0412 0.0484 0.0561 0.0644
0.0733 0.0827 0.0928 0.1034 0.1145
0.1263 0.1386 0.1515 0.1650 0.1799
0.1964 0.2143 0.2337 0.2546 0.2770
0.3009 0.3263 0.3532 0.3816 0.4115
0.4429 0.4758 0.5102 0.5459 0.5826
0.6202 0.6587 0.6981 0.7385 0.7797
0.8219 0.8651 0.9091 0.9541 1.0000

Hrad:
0.0235 0.0471 0.0706 0.0942 0.1177
0.1413 0.1648 0.1884 0.2119 0.2355
0.2590 0.2826 0.3061 0.3297 0.3532
0.3768 0.4003 0.4238 0.4474 0.4709
0.4945 0.5180 0.5416 0.5650 0.5852
0.6022 0.6168 0.6296 0.6410 0.6515
0.6613 0.6707 0.6799 0.6889 0.6979
0.7069 0.7161 0.7253 0.7478 0.7737
0.7989 0.8234 0.8474 0.8707 0.8935
0.9157 0.9375 0.9588 0.9796 1.0000

Width:
0.0124 0.0247 0.0371 0.0494 0.0618
0.0741 0.0865 0.0988 0.1112 0.1235
0.1359 0.1482 0.1606 0.1729 0.1853
0.1976 0.2100 0.2223 0.2347 0.2470
0.2594 0.2717 0.2841 0.3058 0.3381
0.3714 0.4027 0.4349 0.4672 0.4995
0.5318 0.5641 0.5964 0.6287 0.6610
0.6933 0.7255 0.7578 0.7807 0.8006
0.8206 0.8405 0.8604 0.8804 0.9003
0.9202 0.9402 0.9601 0.9801 1.0000

Transect ROW_18m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0154 0.0209 0.0273 0.0346 0.0427
0.0516 0.0614 0.0721 0.0836 0.0960
0.1092 0.1233 0.1382 0.1540 0.1707
0.1882 0.2065 0.2256 0.2447 0.2638
0.2830 0.3026 0.3232 0.3447 0.3670
0.3903 0.4144 0.4394 0.4653 0.4921
0.5197 0.5483 0.5777 0.6080 0.6392
0.6713 0.7043 0.7382 0.7729 0.8085
0.8451 0.8825 0.9208 0.9599 1.0000

Hrad:
0.0179 0.0359 0.0538 0.0717 0.0896
0.1076 0.1255 0.1434 0.1613 0.1793
0.1972 0.2151 0.2330 0.2510 0.2689
0.2868 0.3047 0.3227 0.3406 0.3585
0.3764 0.3944 0.4225 0.4577 0.4928
0.5279 0.5621 0.5942 0.6243 0.6525
0.6791 0.7042 0.7279 0.7504 0.7716
0.7918 0.8110 0.8292 0.8467 0.8634
0.8794 0.8948 0.9095 0.9238 0.9375
0.9508 0.9636 0.9761 0.9882 1.0000

Width:
0.0211 0.0421 0.0632 0.0843 0.1053
0.1264 0.1475 0.1685 0.1896 0.2107
0.2318 0.2528 0.2739 0.2950 0.3160
0.3371 0.3582 0.3792 0.4003 0.4214
0.4424 0.4635 0.4722 0.4722 0.4722
0.4752 0.4971 0.5190 0.5408 0.5627
0.5846 0.6064 0.6283 0.6502 0.6720
0.6939 0.7158 0.7376 0.7595 0.7813
0.8032 0.8251 0.8469 0.8688 0.8907
0.9125 0.9344 0.9563 0.9781 1.0000

Transect ROW_20m
Area:
0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0193 0.0253 0.0320 0.0395
0.0478 0.0568 0.0667 0.0774 0.0888
0.1011 0.1141 0.1279 0.1425 0.1579
0.1741 0.1911 0.2088 0.2274 0.2464
0.2654 0.2844 0.3034 0.3226 0.3431
0.3646 0.3874 0.4114 0.4365 0.4629
0.4904 0.5191 0.5490 0.5801 0.6123
0.6488 0.6804 0.7162 0.7532 0.7914
0.8307 0.8713 0.9130 0.9559 1.0000

Hrad:
0.0190 0.0380 0.0570 0.0760 0.0950
0.1141 0.1331 0.1521 0.1711 0.1901
0.2091 0.2281 0.2471 0.2661 0.2851
0.3041 0.3231 0.3422 0.3612 0.3802
0.3992 0.4182 0.4372 0.4562 0.4926
0.5299 0.5672 0.6043 0.6411 0.6750
0.7060 0.7344 0.7603 0.7841 0.8059
0.8259 0.8444 0.8615 0.8773 0.8920
0.9057 0.9186 0.9307 0.9421 0.9529
0.9632 0.9730 0.9823 0.9913 1.0000

Width:
0.0177 0.0353 0.0530 0.0707 0.0883
0.1060 0.1237 0.1413 0.1590 0.1767

0.1943 0.2120 0.2297 0.2473 0.2650
0.2827 0.3003 0.3180 0.3357 0.3533
0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4591 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.6927 0.7164 0.7400 0.7636
0.7873 0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3581 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4385 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8713 0.8880 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4113 0.4493 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1968 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9356 0.9395 0.8868 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6500 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2133 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4072 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8745 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1863 0.2081 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4929 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017
0.3227 0.3453 0.3685 0.3919 0.4155
0.4393 0.4633 0.4875 0.5118 0.5364

0.5615	0.5871	0.6133	0.6408	0.6690
0.6977	0.7269	0.7568	0.7876	0.8192
0.8516	0.8851	0.9205	0.9583	1.0000

Hrad:

0.0356	0.0671	0.0952	0.1219	0.1526
0.1825	0.2111	0.2388	0.2457	0.2281
0.2626	0.2959	0.3290	0.3614	0.3872
0.4105	0.4302	0.4402	0.4405	0.4805
0.5198	0.5573	0.5905	0.6232	0.6553
0.6869	0.7110	0.7474	0.7833	
0.8187	0.8537	0.8883	0.9224	0.9509
0.9733	0.9956	1.0049	1.0036	1.0287
1.0536	1.0784	1.0896	1.1008	1.1169
1.1330	1.1274	1.1025	1.0707	1.0000

Width:

0.0541	0.0732	0.0923	0.1110	0.1246
0.1374	0.1502	0.1630	0.1916	0.2527
0.2652	0.2777	0.2895	0.3012	0.3179
0.3368	0.3586	0.3902	0.4339	0.4377
0.4416	0.4466	0.4547	0.4628	0.4709
0.4791	0.5224	0.5268	0.5312	0.5356
0.5400	0.5444	0.5488	0.5532	0.5611
0.5729	0.5847	0.6049	0.6332	0.6440
0.6548	0.6656	0.6857	0.7062	0.7236
0.7412	0.7753	0.8268	0.8894	1.0000

Transect Upstream5

Area:

0.0012	0.0039	0.0075	0.0122	0.0185
0.0256	0.0332	0.0413	0.0500	0.0592
0.0689	0.0792	0.0900	0.1012	0.1130
0.1251	0.1375	0.1502	0.1632	0.1765
0.1902	0.2041	0.2184	0.2330	0.2480
0.2635	0.2798	0.2968	0.3145	0.3331
0.3525	0.3727	0.3942	0.4178	0.4431
0.4698	0.4988	0.5309	0.5639	0.5984
0.6349	0.6722	0.7101	0.7485	0.7872
0.8265	0.8666	0.9084	0.9530	1.0000

Hrad:

0.0281	0.0626	0.0927	0.1114	0.1369
0.1752	0.2115	0.2463	0.2799	0.3124
0.3424	0.3749	0.4068	0.4379	0.4694
0.5056	0.5411	0.5759	0.6102	0.6439
0.6771	0.7099	0.7421	0.7699	0.7956
0.8104	0.8232	0.8370	0.8495	0.8616
0.8746	0.8886	0.8484	0.8428	0.8418
0.8363	0.8155	0.8068	0.8309	0.8203
0.8497	0.8801	0.9176	0.9547	0.9913
1.0230	1.0475	1.0267	1.0168	1.0000

Width:

0.0449	0.0640	0.0831	0.1124	0.1386
0.1495	0.1603	0.1712	0.1820	0.1929
0.2048	0.2146	0.2243	0.2341	0.2433
0.2496	0.2559	0.2622	0.2684	0.2747
0.2810	0.2873	0.2936	0.3016	0.3105
0.3241	0.3390	0.3539	0.3698	0.3865
0.4032	0.4199	0.4663	0.4984	0.5298
0.5663	0.6178	0.6645	0.6844	0.7354
0.7522	0.7679	0.7768	0.7857	0.7946
0.8074	0.8259	0.8838	0.9366	1.0000

Transect Upstream6

Area:

0.0020	0.0057	0.0101	0.0154	0.0216
0.0285	0.0362	0.0446	0.0534	0.0628
0.0726	0.0829	0.0939	0.1054	0.1174
0.1299	0.1429	0.1564	0.1705	0.1850
0.2000	0.2153	0.2310	0.2472	0.2637
0.2808	0.2986	0.3172	0.3364	0.3564
0.3786	0.4016	0.4255	0.4503	0.4760
0.5026	0.5304	0.5593	0.5897	0.6214
0.6541	0.6875	0.7215	0.7561	0.7915
0.8280	0.8671	0.9077	0.9506	1.0000

Hrad:

0.0333	0.0728	0.1080	0.1404	0.1714
0.2022	0.2321	0.2687	0.3047	0.3396
0.3717	0.4020	0.4318	0.4612	0.4948
0.5246	0.5534	0.5820	0.6106	0.6442
0.6773	0.7100	0.7423	0.7742	0.8057
0.8224	0.8398	0.8578	0.8777	0.8995
0.8582	0.8792	0.8979	0.9152	0.9365
0.9490	0.9612	0.9727	0.9697	0.9916
1.0145	1.0496	1.0816	1.1092	1.1367
1.1540	1.1196	1.1309	1.0883	1.0000

Width:

0.0616	0.0785	0.0947	0.1108	0.1267
0.1418	0.1569	0.1666	0.1758	0.1850
0.1952	0.2062	0.2171	0.2280	0.2365
0.2466	0.2570	0.2674	0.2776	0.2853
0.2930	0.3007	0.3084	0.3161	0.3238
0.3379	0.3520	0.3661	0.3797	0.4163
0.4379	0.4535	0.4707	0.4888	0.5050
0.5264	0.5485	0.5718	0.6051	0.6237
0.6417	0.6518	0.6637	0.6783	0.6930
0.7329	0.7718	0.8002	0.8718	1.0000

```
***************
Analysis Options
***************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  YES
  Ponding Allowed ........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Flow Routing Method ......  DYNWAVE
Surcharge Method .........  EXTRAN
Starting Date ............  01/01/2000 00:00:00
Ending Date ..............  01/02/2000 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:01:00
Dry Time Step ............  00:01:00
Routing Time Step ........  1.00 sec
Variable Time Step .......  YES
Maximum Trials ...........  8
Number of Threads ........  18
Head Tolerance ...........  0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************   ----------    ----------
Total Precipitation ......         3.553        42.541
Evaporation Loss .........         0.000         0.000
Infiltration Loss ........         1.506        18.034
Surface Runoff ...........         1.962        23.494
Final Storage ............         0.087         1.039
Continuity Error (%) .....        -0.061


**************************        Volume         Volume
Flow Routing Continuity        hectare-m       10^6 ltr
**************************   ----------    ----------
Dry Weather Inflow .......         0.000         0.000
Wet Weather Inflow .......         1.962        19.623
Groundwater Inflow .......         0.000         0.000
RDII Inflow ..............         0.000         0.000
External Inflow ..........         0.008         0.079
External Outflow .........         1.892        18.922
Flooding Loss ............         0.000         0.000
Evaporation Loss .........         0.000         0.000
Exfiltration Loss ........         0.075         0.751
Initial Stored Volume ....         0.000         0.000
Final Stored Volume ......         0.001         0.014
Continuity Error (%) .....         0.073


*************************
Highest Continuity Errors
*************************
Node J39 (31.55%)
Node J37 (27.22%)
Node J67 (13.44%)
Node 644_(C-STRM) (-12.35%)
Node J66 (10.34%)


****************************
Time-Step Critical Elements
****************************
None


*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-83_(C-STRM) (16)
Link C-STRM-71_(C-STRM) (9)
Link OL3 (8)
Link OL15 (6)
Link C-STRM-83_(1)_(C-STRM) (5)


***********************************
Most Frequent Nonconverging Nodes
***********************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
    1.000 -  0.871 sec      :    99.79 %
    0.871 -  0.758 sec      :     0.04 %
    0.758 -  0.660 sec      :     0.03 %
    0.660 -  0.574 sec      :     0.03 %
    0.574 -  0.500 sec      :     0.11 %


***************************
Subcatchment Runoff Summary
***************************
```

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Peak Runoff CMS	Runoff Coeff
A15_1	42.54	0.00	0.00	33.27	7.77	0.18	7.95	0.10	0.187
A15_2	42.54	0.00	0.00	33.35	7.77	0.11	7.88	0.17	0.185
A18	42.54	0.00	0.00	23.07	16.05	2.83	18.88	0.11	0.444
A19	42.54	0.00	0.00	30.50	9.16	2.55	11.70	0.13	0.275
A20	42.54	0.00	0.00	37.74	3.43	0.09	3.52	0.17	0.083
NULL3	42.54	0.00	0.00	6.01	34.18	1.08	35.27	0.20	0.829
S1	42.54	0.00	0.00	17.24	26.36	16.42	24.33	1.59	1.39	0.572
S1_1	42.54	0.00	0.00	11.92	29.31	6.13	29.58	0.03	0.03	0.695
S1_2	42.54	0.00	0.00	11.95	29.31	6.09	29.54	0.04	0.04	0.694
S10_1	42.54	0.00	0.00	17.24	26.36	16.42	24.33	0.45	0.39	0.572
S10_2	42.54	0.00	0.00	17.24	26.36	16.42	24.33	0.52	0.46	0.572
S10_4	42.54	0.00	0.00	17.24	26.36	16.42	24.33	0.18	0.16	0.572
S10_5	42.54	0.00	0.00	17.24	26.36	16.42	24.33	0.31	0.27	0.572
S11	42.54	0.00	0.00	40.50	0.00	2.04	2.04	0.07	0.04	0.048
S12	42.54	0.00	0.00	11.98	29.31	6.05	29.50	0.13	0.11	0.693
S14_1	42.54	0.00	0.00	12.02	29.31	6.01	29.46	0.18	0.16	0.692
S14_3	42.54	0.00	0.00	12.13	29.30	5.89	29.33	0.31	0.26	0.690
S14_4	42.54	0.00	0.00	12.08	29.30	5.95	29.39	0.09	0.08	0.691
S14_5	42.54	0.00	0.00	12.11	29.30	5.91	29.35	0.50	0.42	0.690
S14_6	42.54	0.00	0.00	12.05	29.30	5.98	29.42	0.08	0.07	0.692
S14_7	42.54	0.00	0.00	12.07	29.30	5.96	29.40	0.35	0.30	0.691
S14_8	42.54	0.00	0.00	12.08	29.30	5.95	29.39	0.13	0.11	0.691
S15	42.54	0.00	0.00	17.24	26.36	16.42	24.33	0.40	0.35	0.572
S16_1	42.54	0.00	0.00	0.00	40.95	0.00	40.95	0.19	0.09	0.963
S16_2	42.54	0.00	0.00	0.00	40.88	0.00	40.88	0.40	0.13	0.961
S17	42.54	0.00	0.00	41.78	1.37	0.71	0.71	0.04	0.02	0.017
S18_2	42.54	0.00	0.00	16.10	27.53	17.17	25.43	0.85	0.76	0.598
S18_3	42.54	0.00	0.00	16.10	27.53	17.17	25.43	0.42	0.37	0.598
S18_4	42.54	0.00	0.00	16.10	27.53	17.17	25.43	0.22	0.20	0.598
S18_5	42.54	0.00	0.00	16.10	27.53	17.17	25.43	0.47	0.41	0.598
S18_6	42.54	0.00	0.00	16.10	27.53	17.17	25.43	0.21	0.19	0.598
S19	42.54	0.00	0.00	12.07	29.30	5.96	29.40	0.29	0.25	0.691
S2	42.54	0.00	0.00	12.10	29.30	5.93	29.37	0.11	0.09	0.690
S2_1	42.54	0.00	0.00	16.10	27.53	17.17	25.43	0.80	0.71	0.598
S2_2	42.54	0.00	0.00	16.10	27.53	17.17	25.43	0.26	0.23	0.598
S20_1	42.54	0.00	0.00	12.02	29.31	6.02	29.46	0.13	0.12	0.693
S20_2	42.54	0.00	0.00	12.03	29.30	6.00	29.45	0.07	0.06	0.692
S3	42.54	0.00	0.00	17.24	26.36	16.42	24.33	0.52	0.45	0.572
S32_1	42.54	0.00	0.00	11.97	29.31	6.06	29.51	0.13	0.11	0.694
S32_2	42.54	0.00	0.00	17.24	26.36	16.42	24.33	0.04	0.03	0.572
S36	42.54	0.00	0.00	0.00	40.82	0.00	40.82	0.74	0.18	0.960

S4			42.54	0.00	0.00	5.70	35.11	0.38
35.49	4.69	2.43	0.834					
S5			42.54	0.00	0.00	5.50	35.13	0.58
35.71	1.14	0.75	0.839					
S6			42.54	0.00	0.00	17.03	23.45	5.91
24.67	0.08	0.08	0.580					
S7			42.54	0.00	0.00	5.47	35.13	0.61
35.73	1.42	0.94	0.840					
S8			42.54	0.00	0.00	31.08	14.64	10.91
10.91	0.17	0.07	0.257					

****
Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.13	104.53	0 01:10	0.13
EXD_10	JUNCTION	0.03	0.29	98.94	0 01:25	0.29
EXD_11	JUNCTION	0.03	0.22	98.71	0 01:25	0.22
EXD_12	JUNCTION	0.04	0.30	98.61	0 01:23	0.30
EXD_13	JUNCTION	0.01	0.14	104.47	0 01:12	0.14
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.02	0.34	100.61	0 01:10	0.34
EXD_16	JUNCTION	0.01	0.17	100.37	0 01:11	0.17
EXD_17	JUNCTION	0.02	0.18	100.06	0 01:12	0.18
EXD_18	JUNCTION	0.01	0.15	99.55	0 01:16	0.15
EXD_19	JUNCTION	0.02	0.27	99.46	0 01:20	0.27
EXD_2	JUNCTION	0.02	0.23	103.70	0 01:14	0.23
EXD_20	JUNCTION	0.02	0.28	99.46	0 01:20	0.28
EXD_21	JUNCTION	0.02	0.24	99.42	0 01:20	0.24
EXD_22	JUNCTION	0.01	0.14	99.29	0 01:22	0.14
EXD_23	JUNCTION	0.03	0.23	98.98	0 01:25	0.23
EXD_24	JUNCTION	0.01	0.13	98.80	0 01:28	0.13
EXD_25	JUNCTION	0.02	0.25	98.78	0 01:29	0.25
EXD_26	JUNCTION	0.01	0.13	98.62	0 01:31	0.13
EXD_27	JUNCTION	0.04	0.26	98.42	0 01:28	0.26
EXD_3	JUNCTION	0.01	0.12	103.31	0 01:16	0.12
EXD_4	JUNCTION	0.01	0.11	102.76	0 01:17	0.11
EXD_5	JUNCTION	0.01	0.17	102.67	0 01:17	0.17
EXD_6	JUNCTION	0.01	0.12	102.44	0 01:18	0.12
EXD_7	JUNCTION	0.01	0.11	101.60	0 01:23	0.11
EXD_8	JUNCTION	0.03	0.34	101.82	0 01:24	0.34
EXD_9	JUNCTION	0.02	0.16	100.54	0 01:27	0.16
J1	JUNCTION	0.00	0.00	103.45	0 00:00	0.00
J13	JUNCTION	0.00	0.00	103.30	0 00:00	0.00
J17	JUNCTION	0.01	0.13	104.50	0 01:11	0.13
J19	JUNCTION	0.00	0.04	105.64	0 01:11	0.04
J2	JUNCTION	0.00	0.03	109.03	0 01:10	0.03
J20	JUNCTION	0.00	0.06	105.46	0 01:10	0.06
J21	JUNCTION	0.00	0.04	105.94	0 01:10	0.04
J22	JUNCTION	0.00	0.00	106.00	0 00:00	0.00
J23	JUNCTION	0.00	0.00	106.20	0 00:00	0.00
J27	JUNCTION	0.00	0.04	109.04	0 01:10	0.04
J28	JUNCTION	0.00	0.04	108.84	0 01:10	0.04
J3	JUNCTION	0.00	0.00	103.70	0 00:00	0.00
J31	JUNCTION	0.00	0.02	106.02	0 01:17	0.02
J35	JUNCTION	0.00	0.07	104.77	0 01:10	0.06
J36	JUNCTION	0.00	0.04	104.97	0 01:18	0.04
J37	JUNCTION	0.00	0.04	104.69	0 01:11	0.04
J38	JUNCTION	0.00	0.03	104.63	0 01:10	0.03
J39	JUNCTION	0.00	0.02	104.47	0 01:12	0.02
J4	JUNCTION	0.00	0.00	103.60	0 00:00	0.00
J40	JUNCTION	0.00	0.01	103.21	0 01:11	0.01
J42	JUNCTION	0.00	0.05	104.25	0 01:10	0.05
J43	JUNCTION	0.00	0.04	104.54	0 01:10	0.04
J45	JUNCTION	0.00	0.00	104.60	0 00:00	0.00
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.03	105.78	0 01:10	0.03
J49	JUNCTION	0.00	0.01	105.31	0 01:35	0.01
J5	JUNCTION	0.00	0.00	103.50	0 00:00	0.00
J50	JUNCTION	0.00	0.03	106.58	0 01:10	0.03
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0 00:00	0.00
J57	JUNCTION	0.00	0.03	108.43	0 01:10	0.03
J58	JUNCTION	0.00	0.03	108.03	0 01:10	0.03
J6	JUNCTION	0.00	0.00	103.40	0 00:00	0.00
J60	JUNCTION	0.00	0.04	107.04	0 01:10	0.04
J61	JUNCTION	0.00	0.03	106.53	0 01:11	0.03
J62	JUNCTION	0.00	0.02	105.72	0 01:25	0.02
J63	JUNCTION	0.00	0.03	105.23	0 01:14	0.03
J66	JUNCTION	0.00	0.02	107.77	0 01:12	0.02
J67	JUNCTION	0.00	0.02	107.52	0 01:18	0.02
J74	JUNCTION	0.30	0.40	98.85	0 02:58	0.40
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.02	0.22	98.22	0 01:28	0.22
ST4_108A_(P-Stm)	OUTFALL	0.17	0.77	98.79	0 01:17	0.77
500_(C-STRM)	STORAGE	0.30	0.59	100.96	0 01:02	0.59
502_(C-STRM)	STORAGE	0.09	1.34	101.91	0 01:12	1.32
503_(C-STRM)	STORAGE	0.07	1.42	102.03	0 01:12	1.39
504_(C-STRM)	STORAGE	0.32	1.09	104.15	0 01:12	1.08
505_(C-STRM)	STORAGE	0.32	1.19	104.67	0 01:12	1.18
506_(C-STRM)	STORAGE	0.32	1.22	105.05	0 01:12	1.22
507_(C-STRM)	STORAGE	0.32	1.13	105.30	0 01:12	1.12
508_(C-STRM)	STORAGE	0.32	1.15	105.54	0 01:12	1.14
509_(C-STRM)	STORAGE	0.32	1.18	105.80	0 01:13	1.18
510_(C-STRM)	STORAGE	0.32	1.13	106.00	0 01:13	1.13
511_(C-STRM)	STORAGE	0.32	1.12	106.05	0 01:12	1.11
512_(C-STRM)	STORAGE	0.32	1.12	106.26	0 01:12	1.11
513_(C-STRM)	STORAGE	0.32	1.07	106.34	0 01:12	1.07
514_(C-STRM)	STORAGE	0.29	0.75	106.36	0 01:13	0.74
515_(C-STRM)	STORAGE	0.29	0.52	106.40	0 01:14	0.52
516_(C-STRM)	STORAGE	0.32	1.13	106.61	0 01:13	1.12
517_(C-STRM)	STORAGE	0.32	1.24	106.88	0 01:13	1.24
518_(C-STRM)	STORAGE	0.33	1.57	107.45	0 01:12	1.53
519_(C-STRM)	STORAGE	0.31	1.40	107.50	0 01:12	1.40
520_(C-STRM)	STORAGE	0.31	1.28	107.64	0 01:12	1.24
522_(C-STRM)	STORAGE	0.31	0.65	104.95	0 01:12	0.65
525_(C-STRM)	STORAGE	0.08	1.46	102.04	0 01:17	1.46
528_(C-STRM)	STORAGE	0.06	1.60	102.30	0 01:18	1.60
532_(C-STRM)	STORAGE	0.05	1.65	102.45	0 01:18	1.65
536_(C-STRM)	STORAGE	0.05	1.64	102.59	0 01:19	1.64
540_(C-STRM)	STORAGE	0.34	1.89	102.72	0 01:19	1.88
541_(C-STRM)	STORAGE	0.33	1.87	102.78	0 01:19	1.87
551_(C-STRM)	STORAGE	0.32	1.26	101.93	0 01:12	1.26
552_(C-STRM)	STORAGE	0.32	1.17	101.94	0 01:12	1.15
553_(C-STRM)	STORAGE	0.32	1.01	101.97	0 01:16	1.00
554_(C-STRM)	STORAGE	0.30	0.89	101.97	0 01:15	0.88
555_(C-STRM)	STORAGE	0.29	0.71	101.98	0 01:14	0.71
556_(C-STRM)	STORAGE	0.29	0.62	101.98	0 01:14	0.61
601_(C-STRM)	STORAGE	0.08	1.13	101.56	0 01:18	1.13
602_(C-STRM)	STORAGE	0.09	1.58	102.06	0 01:18	1.58
603_(C-STRM)	STORAGE	0.09	1.62	102.17	0 01:18	1.62
604_(C-STRM)	STORAGE	0.09	1.82	102.45	0 01:17	1.82
605_(C-STRM)	STORAGE	0.31	1.20	102.57	0 01:18	1.20
619_(C-STRM)	STORAGE	0.09	2.07	103.19	0 01:16	2.07
622_(C-STRM)	STORAGE	0.09	2.17	103.26	0 01:16	2.17
626_(C-STRM)	STORAGE	0.29	0.41	104.40	0 01:20	0.41
627_(C-STRM)	STORAGE	0.30	0.55	103.75	0 01:12	0.55
629_(C-STRM)	STORAGE	0.08	1.79	103.50	0 01:16	1.79
630_(C-STRM)	STORAGE	0.08	1.76	103.59	0 01:16	1.76
630A_(C-STRM)	STORAGE	0.08	1.74	103.62	0 01:15	1.74
633_(C-STRM)	STORAGE	0.00	0.10	105.40	0 01:14	0.10
634_(C-STRM)	STORAGE	0.32	1.67	103.56	0 01:16	1.67
637_(C-STRM)	STORAGE	0.00	0.05	105.40	0 01:14	0.05
643_(C-STRM)	STORAGE	0.31	1.63	103.70	0 01:17	1.63
644_(C-STRM)	STORAGE	0.30	1.17	103.71	0 01:17	1.17
645_(C-STRM)	STORAGE	0.05	1.43	103.73	0 01:16	1.43
646_(C-STRM)	STORAGE	0.04	1.42	103.86	0 01:16	1.42
647_(C-STRM)	STORAGE	0.04	1.37	103.94	0 01:16	1.37
650_(C-STRM)	STORAGE	0.09	1.94	102.92	0 01:17	1.93
651_(C-STRM)	STORAGE	0.09	1.89	102.78	0 01:17	1.89
652_(C-STRM)	STORAGE	0.09	1.84	102.71	0 01:17	1.84
Filter_Bed	STORAGE	0.33	0.85	100.95	0 01:24	0.85
Industrial_NORTH	STORAGE	0.00	0.01	105.21	0 01:10	0.01
Industrial_South	STORAGE	0.00	0.05	105.05	0 01:12	0.05
MTD_(C-STRM)	STORAGE	0.18	1.34	101.70	0 01:12	1.34
OVERFLOW_(C-STRM)	STORAGE	0.29	0.98	101.15	0 01:02	0.97
PARK	STORAGE	0.00	0.00	105.36	0 01:20	0.00
POND_(C-STRM)	STORAGE	0.99	1.63	100.08	0 02:58	1.63
S_504-503	STORAGE	0.00	0.03	105.78	0 01:13	0.03
S_525-MTD	STORAGE	0.00	0.05	103.50	0 01:15	0.05
S_528-525	STORAGE	0.00	0.05	103.55	0 01:14	0.05
S_532-528	STORAGE	0.00	0.05	103.70	0 01:14	0.05
S_536-532	STORAGE	0.00	0.08	103.78	0 01:15	0.08
S_540-536	STORAGE	0.00	0.07	103.92	0 01:14	0.07
S_545-541	STORAGE	0.00	0.06	103.96	0 01:15	0.06
S_607-605	STORAGE	0.00	0.06	107.96	0 01:16	0.06
S_620-619	STORAGE	0.00	0.05	106.95	0 01:13	0.05
S_622-619	STORAGE	0.00	0.03	106.03	0 01:13	0.03
S_623-622	STORAGE	0.00	0.06	106.56	0 01:14	0.06
S_627-630	STORAGE	0.00	0.03	106.73	0 01:13	0.03
S_652-604	STORAGE	0.00	0.04	105.89	0 01:14	0.04
Woodlot_North	STORAGE	0.00	0.00	106.75	0 01:20	0.00

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.102	0 01:10	0	0.128	-0.056
EXD_10	JUNCTION	0.272	0.387	0 01:20	0.932	1.61	-0.053
EXD_11	JUNCTION	0.000	0.382	0 01:25	0	1.61	0.013
EXD_12	JUNCTION	0.076	0.421	0 01:22	0.169	1.78	0.001
EXD_13	JUNCTION	0.000	0.099	0 01:11	0	0.128	-0.324
EXD_14	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.117	0.117	0 01:10	0.17	0.17	-0.008
EXD_16	JUNCTION	0.000	0.093	0 01:10	0	0.17	-0.259
EXD_17	JUNCTION	0.000	0.091	0 01:11	0	0.171	-0.233
EXD_18	JUNCTION	0.000	0.092	0 01:13	0	0.171	0.694
EXD_19	JUNCTION	0.000	0.082	0 01:16	0	0.183	-0.074
EXD_2	JUNCTION	0.000	0.094	0 01:12	0	0.129	0.488
EXD_20	JUNCTION	0.091	0.115	0 01:19	0.129	0.313	-0.016
EXD_21	JUNCTION	0.000	0.114	0 01:19	0	0.3	-0.035
EXD_22	JUNCTION	0.000	0.114	0 01:20	0	0.3	-0.590
EXD_23	JUNCTION	0.000	0.112	0 01:22	0	0.302	0.748
EXD_24	JUNCTION	0.000	0.107	0 01:26	0	0.302	0.469
EXD_25	JUNCTION	0.085	0.121	0 01:27	0.112	0.413	-0.184
EXD_26	JUNCTION	0.000	0.136	0 01:29	0	0.411	0.024
EXD_27	JUNCTION	0.151	0.549	0 01:27	0.199	2.39	0.018
EXD_3	JUNCTION	0.000	0.083	0 01:15	0	0.128	0.201
EXD_4	JUNCTION	0.000	0.082	0 01:16	0	0.128	0.093
EXD_5	JUNCTION	0.000	0.081	0 01:17	0	0.128	-0.005
EXD_6	JUNCTION	0.000	0.081	0 01:17	0	0.128	-0.700
EXD_7	JUNCTION	0.018	0.099	0 01:19	0.0445	0.173	2.056
EXD_8	JUNCTION	0.184	0.210	0 01:20	0.509	0.679	-0.285
EXD_9	JUNCTION	0.000	0.218	0 01:24	0	0.681	0.256
J1	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J13	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J17	JUNCTION	0.000	0.102	0 01:10	0	0.128	-0.078
J19	JUNCTION	0.025	0.044	0 01:10	0.0277	0.036	-0.091
J2	JUNCTION	0.114	0.114	0 01:10	0.128	0.128	-0.206
J20	JUNCTION	0.093	0.103	0 01:10	0.109	0.113	-0.347
J21	JUNCTION	0.037	0.037	0 01:10	0.0411	0.0411	-0.809
J22	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J23	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J27	JUNCTION	0.156	0.156	0 01:10	0.178	0.178	-0.348
J28	JUNCTION	0.417	0.427	0 01:10	0.495	0.497	-0.437
J3	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J31	JUNCTION	0.000	0.007	0 01:11	0	0.00257	5.635
J35	JUNCTION	0.245	0.245	0 01:10	0.285	0.292	-0.537
J36	JUNCTION	0.000	0.015	0 01:14	0	0.00787	10.641
J37	JUNCTION	0.000	0.024	0 01:10	0	0.00342	37.406
J38	JUNCTION	0.061	0.064	0 01:10	0.0697	0.0745	-0.568
J39	JUNCTION	0.000	0.008	0 01:10	0	0.00166	46.091
J4	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J40	JUNCTION	0.000	0.040	0 01:10	0	0.00792	2.158
J42	JUNCTION	0.117	0.145	0 01:10	0.133	0.14	-0.378
J43	JUNCTION	0.113	0.130	0 01:10	0.126	0.13	-0.201
J45	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J46	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J47	JUNCTION	0.077	0.095	0 01:10	0.0903	0.094	0.085
J49	JUNCTION	0.000	0.001	0 01:28	0	0.00241	4.816
J5	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr

J50	JUNCTION	0.107	0.120	0	01:10	0.125	0.128	- 0.166
J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J57	JUNCTION	0.260	0.265	0	01:10	0.311	0.312	- 0.664
J58	JUNCTION	0.071	0.077	0	01:10	0.0818	0.0833	- 0.359
J6	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J60	JUNCTION	0.301	0.301	0	01:10	0.351	0.353	- 0.224
J61	JUNCTION	0.000	0.016	0	01:10	0	0.00278	8.288
J62	JUNCTION	0.000	0.002	0	01:17	0	0.00243	0.800
J63	JUNCTION	0.000	0.016	0	01:12	0	0.00826	4.907
J66	JUNCTION	0.000	0.010	0	01:10	0	0.00196	11.528
J67	JUNCTION	0.000	0.003	0	01:12	0	0.00176	15.533
J74	JUNCTION	0.000	0.282	0	02:58	0	16.4	- 0.017
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	0.000 ltr
OF2	OUTFALL	0.079	0.079	0	01:10	0.0843	0.0843	0.000
OF3	OUTFALL	0.000	0.548	0	01:28	0	2.39	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.282	0	02:58	0	16.4	0.000
500_(C-STRM)	STORAGE	0.000	0.203	0	01:02	0	0.299	- 0.800
502_(C-STRM)	STORAGE	0.000	1.093	0	01:12	0	2.28	0.071
503_(C-STRM)	STORAGE	0.000	0.906	0	01:12	0	1.79	- 0.001
504_(C-STRM)	STORAGE	0.000	0.836	0	01:12	0	1.66	- 0.312
505_(C-STRM)	STORAGE	0.000	0.766	0	01:12	0	1.53	0.126
506_(C-STRM)	STORAGE	0.000	0.711	0	01:09	0	1.41	0.311
507_(C-STRM)	STORAGE	0.000	0.530	0	01:15	0	1.06	- 0.595
508_(C-STRM)	STORAGE	0.000	0.522	0	01:16	0	1.06	- 0.003
509_(C-STRM)	STORAGE	0.000	0.530	0	01:09	0	1.06	- 0.028
510_(C-STRM)	STORAGE	0.000	0.547	0	01:09	0	1.06	0.019
511_(C-STRM)	STORAGE	0.000	0.559	0	01:09	0	1.06	0.097
512_(C-STRM)	STORAGE	0.000	0.511	0	01:10	0	0.977	- 0.021
513_(C-STRM)	STORAGE	0.000	0.589	0	01:10	0	1	0.644
514_(C-STRM)	STORAGE	0.000	0.071	0	01:12	0	0.0255	4.558
515_(C-STRM)	STORAGE	0.000	0.030	0	01:13	0	0.00374	- 19.694
516_(C-STRM)	STORAGE	0.000	0.386	0	01:09	0	0.663	- 1.253
517_(C-STRM)	STORAGE	0.000	0.410	0	01:11	0	0.667	0.485
518_(C-STRM)	STORAGE	0.000	0.435	0	01:11	0	0.675	1.096
519_(C-STRM)	STORAGE	0.000	0.113	0	01:11	0	0.173	- 1.932
520_(C-STRM)	STORAGE	0.000	0.123	0	01:05	0	0.177	1.658
522_(C-STRM)	STORAGE	0.000	0.088	0	01:05	0	0.125	0.033
525_(C-STRM)	STORAGE	0.000	1.244	0	01:25	0	2.57	0.053
528_(C-STRM)	STORAGE	0.000	1.046	0	01:25	0	2.17	- 0.010
532_(C-STRM)	STORAGE	0.000	0.830	0	01:25	0	1.75	0.049
536_(C-STRM)	STORAGE	0.000	0.719	0	01:25	0	1.54	0.023
540_(C-STRM)	STORAGE	0.000	0.493	0	01:25	0	1.07	0.001
541_(C-STRM)	STORAGE	0.000	0.378	0	01:05	0	0.852	0.052
551_(C-STRM)	STORAGE	0.000	0.195	0	01:06	0	0.359	- 0.246
552_(C-STRM)	STORAGE	0.000	0.219	0	01:07	0	0.358	- 0.360
553_(C-STRM)	STORAGE	0.000	0.197	0	01:05	0	0.327	0.688
554_(C-STRM)	STORAGE	0.000	0.115	0	01:12	0	0.0589	3.042
555_(C-STRM)	STORAGE	0.000	0.096	0	01:12	0	0.0254	2.671
556_(C-STRM)	STORAGE	0.000	0.049	0	01:13	0	0.00522	- 14.083
601_(C-STRM)	STORAGE	0.000	4.486	0	01:18	0	10.1	0.001
602_(C-STRM)	STORAGE	0.000	4.486	0	01:18	0	10.1	0.002
603_(C-STRM)	STORAGE	0.000	4.417	0	01:17	0	9.91	- 0.002
604_(C-STRM)	STORAGE	0.000	4.418	0	01:17	0	9.91	- 0.018
605_(C-STRM)	STORAGE	0.000	0.664	0	01:05	0	1.29	0.934
619_(C-STRM)	STORAGE	0.000	3.524	0	01:14	0	8.12	- 0.000
622_(C-STRM)	STORAGE	0.000	3.333	0	01:13	0	7.73	- 0.178
626_(C-STRM)	STORAGE	0.000	0.036	0	01:20	0	0.0673	- 1.057
627_(C-STRM)	STORAGE	0.000	0.135	0	01:20	0	0.207	0.826
629_(C-STRM)	STORAGE	0.000	2.706	0	01:09	0	6.19	0.185
630_(C-STRM)	STORAGE	0.000	2.833	0	01:10	0	6.19	- 0.009
630A_(C-STRM)	STORAGE	0.000	2.784	0	01:10	0	5.99	0.085
633_(C-STRM)	STORAGE	0.229	0.229	0	01:10	0.258	0.258	0.000
634_(C-STRM)	STORAGE	0.000	0.523	0	01:17	0	0.863	- 0.551
637_(C-STRM)	STORAGE	0.711	0.711	0	01:10	0.799	0.799	- 0.000
643_(C-STRM)	STORAGE	0.000	0.417	0	01:12	0	0.676	1.441
644_(C-STRM)	STORAGE	0.000	0.140	0	01:11	0	0.0337	- 10.990
645_(C-STRM)	STORAGE	0.000	0.608	0	01:17	0	1.32	0.252
646_(C-STRM)	STORAGE	0.000	0.599	0	01:16	0	1.27	- 0.007
647_(C-STRM)	STORAGE	0.000	0.543	0	01:04	0	1.17	0.071
650_(C-STRM)	STORAGE	0.000	3.502	0	01:16	0	8.12	- 0.001
651_(C-STRM)	STORAGE	0.000	3.496	0	01:16	0	8.12	- 0.001
652_(C-STRM)	STORAGE	0.000	3.757	0	01:17	0	8.63	0.025
Filter_Bed	STORAGE	0.000	2.252	0	01:13	0	4.56	0.038
Industrial_NORTH	STORAGE	2.426	2.426	0	01:10	4.69	4.69	- 0.122
Industrial_South	STORAGE	0.745	0.745	0	01:10	1.14	1.14	- 0.071
MTD_(C-STRM)	STORAGE	0.000	2.201	0	01:12	0	4.85	- 0.038
OVERFLOW_(C-STRM)	STORAGE	0.000	2.195	0	01:13	0	4.85	0.026
PARK	STORAGE	0.072	0.072	0	01:20	0.174	0.174	- 0.001
POND_(C-STRM)	STORAGE	1.014	6.718	0	01:22	1.5	16.4	0.001
S_504-503	STORAGE	0.034	0.034	0	01:10	0.0387	0.0387	- 0.018
S_525-MTD	STORAGE	0.350	0.350	0	01:10	0.398	0.398	- 0.016
S_528-525	STORAGE	0.375	0.375	0	01:10	0.421	0.421	- 0.017
S_532-528	STORAGE	0.190	0.190	0	01:10	0.214	0.214	- 0.017
S_536-532	STORAGE	0.414	0.414	0	01:10	0.466	0.466	- 0.016
S_540-536	STORAGE	0.198	0.198	0	01:10	0.223	0.223	- 0.017
S_545-541	STORAGE	0.758	0.758	0	01:10	0.852	0.852	- 0.016
S_607-605	STORAGE	1.393	1.393	0	01:10	1.59	1.59	0.000
S_620-619	STORAGE	0.394	0.394	0	01:10	0.449	0.449	- 0.000
S_622-619	STORAGE	0.270	0.270	0	01:10	0.307	0.307	- 0.000
S_623-622	STORAGE	0.456	0.456	0	01:10	0.518	0.518	- 0.000
S_627-630	STORAGE	0.157	0.157	0	01:10	0.179	0.179	- 0.000
S_652-604	STORAGE	0.453	0.453	0	01:10	0.516	0.516	- 0.017
Woodlot_North	STORAGE	0.037	0.037	0	01:20	0.0673	0.0673	- 0.001

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	10.7	0.0	0.0	0.001	21.1	0 01:02	0.203
502_(C-STRM)	0.000	2.3	0.0	0.0	0.002	36.3	0 01:12	1.084
503_(C-STRM)	0.000	1.9	0.0	0.0	0.002	36.4	0 01:12	0.903
504_(C-STRM)	0.000	11.5	0.0	0.0	0.001	38.8	0 01:12	0.821
505_(C-STRM)	0.000	9.9	0.0	0.0	0.001	36.6	0 01:12	0.752
506_(C-STRM)	0.000	10.2	0.0	0.0	0.001	38.8	0 01:12	0.680
507_(C-STRM)	0.000	10.0	0.0	0.0	0.001	35.6	0 01:12	0.540
508_(C-STRM)	0.000	10.0	0.0	0.0	0.001	36.1	0 01:12	0.530
509_(C-STRM)	0.000	10.2	0.0	0.0	0.001	37.8	0 01:13	0.522
510_(C-STRM)	0.000	10.4	0.0	0.0	0.001	36.8	0 01:13	0.530
511_(C-STRM)	0.000	10.4	0.0	0.0	0.001	36.6	0 01:12	0.547
512_(C-STRM)	0.000	10.3	0.0	0.0	0.001	36.3	0 01:12	0.503
513_(C-STRM)	0.000	10.2	0.0	0.0	0.001	34.5	0 01:12	0.555
514_(C-STRM)	0.000	9.3	0.0	0.0	0.001	24.0	0 01:13	0.047
515_(C-STRM)	0.000	8.9	0.0	0.0	0.001	16.3	0 01:14	0.019
516_(C-STRM)	0.000	10.5	0.0	0.0	0.001	37.3	0 01:13	0.379
517_(C-STRM)	0.000	10.7	0.0	0.0	0.001	41.5	0 01:13	0.386
518_(C-STRM)	0.000	11.3	0.0	0.0	0.002	54.2	0 01:12	0.410
519_(C-STRM)	0.000	11.2	0.0	0.0	0.002	50.3	0 01:12	0.152
520_(C-STRM)	0.000	11.8	0.0	0.0	0.001	48.5	0 01:12	0.113
522_(C-STRM)	0.000	10.2	0.0	0.0	0.001	21.7	0 01:12	0.088
525_(C-STRM)	0.000	3.1	0.0	0.0	0.002	53.6	0 01:17	1.252
528_(C-STRM)	0.000	2.1	0.0	0.0	0.002	59.0	0 01:18	1.052
532_(C-STRM)	0.000	1.7	0.0	0.0	0.002	61.1	0 01:18	0.838
536_(C-STRM)	0.000	1.7	0.0	0.0	0.002	61.8	0 01:19	0.736
540_(C-STRM)	0.000	11.7	0.0	0.0	0.002	65.6	0 01:19	0.514
541_(C-STRM)	0.000	11.4	0.0	0.0	0.002	64.0	0 01:19	0.408
551_(C-STRM)	0.000	8.5	0.0	0.0	0.001	33.2	0 01:12	0.185
552_(C-STRM)	0.000	8.2	0.0	0.0	0.001	30.3	0 01:12	0.195
553_(C-STRM)	0.000	8.4	0.0	0.0	0.001	26.8	0 01:16	0.193
554_(C-STRM)	0.000	7.7	0.0	0.0	0.001	23.0	0 01:15	0.096
555_(C-STRM)	0.000	7.2	0.0	0.0	0.001	17.3	0 01:14	0.049
556_(C-STRM)	0.000	6.8	0.0	0.0	0.001	14.7	0 01:14	0.024
601_(C-STRM)	0.000	1.7	0.0	0.0	0.001	25.4	0 01:18	4.487
602_(C-STRM)	0.000	2.1	0.0	0.0	0.002	38.0	0 01:18	4.486
603_(C-STRM)	0.000	2.2	0.0	0.0	0.002	40.6	0 01:18	4.415
604_(C-STRM)	0.000	1.8	0.0	0.0	0.002	35.5	0 01:17	4.417

605_(C-STRM)	0.000	5.8	0.0	0.0	0.001	22.4	0	01:18
0.680								
619_(C-STRM)	0.000	1.6	0.0	0.0	0.002	38.3	0	01:16
3.502								
622_(C-STRM)	0.000	1.9	0.0	0.0	0.002	45.5	0	01:16
3.291								
626_(C-STRM)	0.000	9.0	0.0	0.0	0.000	12.7	0	01:20
0.036								
627_(C-STRM)	0.000	8.4	0.0	0.0	0.001	15.8	0	01:12
0.140								
629_(C-STRM)	0.000	1.9	0.0	0.0	0.002	40.6	0	01:16
2.525								
630_(C-STRM)	0.000	1.7	0.0	0.0	0.002	40.2	0	01:16
2.706								
630A_(C-STRM)	0.000	1.8	0.0	0.0	0.002	42.3	0	01:15
2.724								
633_(C-STRM)	0.001	0.4	0.0	19.1	0.068	19.1	0	01:14
0.127								
634_(C-STRM)	0.000	8.3	0.0	0.0	0.002	43.8	0	01:16
0.537								
637_(C-STRM)	0.001	0.1	0.0	18.7	0.113	10.3	0	01:14
0.396								
643_(C-STRM)	0.000	9.1	0.0	0.0	0.002	47.3	0	01:17
0.409								
644_(C-STRM)	0.000	9.3	0.0	0.0	0.001	36.9	0	01:17
0.070								
645_(C-STRM)	0.000	1.3	0.0	0.0	0.002	39.7	0	01:16
0.615								
646_(C-STRM)	0.000	1.2	0.0	0.0	0.002	42.6	0	01:16
0.598								
647_(C-STRM)	0.000	1.3	0.0	0.0	0.002	45.3	0	01:16
0.554								
650_(C-STRM)	0.000	1.6	0.0	0.0	0.002	37.4	0	01:17
3.496								
651_(C-STRM)	0.000	1.8	0.0	0.0	0.002	37.9	0	01:17
3.493								
652_(C-STRM)	0.000	1.9	0.0	0.0	0.002	37.1	0	01:17
3.756								
Filter_Bed	0.651	19.5	0.0	0.0	1.754	52.5	0	01:24
1.900								
Industrial_NORTH	0.001	0.0	0.0	0.0	0.049	1.9	0	01:10
2.391								
Industrial_South	0.001	0.1	0.0	0.0	0.070	9.4	0	01:12
0.529								
MTD_(C-STRM)	0.000	6.0	0.0	0.0	0.002	44.5	0	01:12
2.195								
OVERFLOW_(C-STRM)	0.000	10.4	0.0	0.0	0.001	34.6	0	01:02
2.339								
PARK	0.000	0.0	0.0	0.0	0.005	0.9	0	01:20
0.072								
POND_(C-STRM)	5.077	14.0	0.0	0.0	12.386	34.2	0	02:58
0.282								
S_504-503	0.000	0.1	0.0	0.0	0.004	6.8	0	01:13
0.072								
S_525-MTD	0.001	0.1	0.0	0.0	0.057	10.0	0	01:15
0.192								
S_528-525	0.001	0.1	0.0	0.0	0.059	10.1	0	01:14
0.2I1								
S_532-528	0.000	0.1	0.0	0.0	0.030	10.1	0	01:14
0.1U7								
S_536-532	0.001	0.2	0.0	0.0	0.068	15.9	0	01:15
0.2Z2								
S_540-536	0.000	0.2	0.0	0.0	0.028	13.9	0	01:14
0.1I3								
S_545-541	0.002	0.2	0.0	0.0	0.149	12.7	0	01:15
0.378								
S_607-605	0.003	0.2	0.0	18.4	0.263	11.5	0	01:16
0.707								
S_620-619	0.000	0.1	0.0	16.8	0.046	10.6	0	01:13
0.243								
S_622-619	0.000	0.1	0.0	19.1	0.026	5.9	0	01:13
0.1B4								
S_623-622	0.001	0.1	0.0	16.8	0.064	12.9	0	01:14
0.260								
S_627-630	0.000	0.1	0.0	22.0	0.016	6.2	0	01:13
0.1I5								
S_652-604	0.001	0.1	0.0	0.0	0.065	8.8	0	01:14
0.2E4								
Woodlot_North	0.000	0.0	0.0	0.0	0.003	0.5	0	01:20
0.036								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	12.22	0.008	0.079	0.084
OF3	98.02	0.029	0.548	2.391
ST4_108A_(P-Stm)	98.16	0.194	0.282	16.447
System	52.10	0.231	0.809	18.922

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.093	0 01:10	1.10	1.38	0.63
BDR-C2	CONDUIT	0.114	0 01:19	1.34	2.18	0.64
BDR-C3	CONDUIT	0.136	0 01:29	1.95	0.69	0.39
BDR-C4	CONDUIT	0.421	0 01:23	2.12	0.14	0.23
C1	CHANNEL	0.011	0 01:10	0.19	0.00	0.14
C1_1	CHANNEL	0.006	0 01:10	0.17	0.00	0.11
C1_11	CHANNEL	0.020	0 01:10	0.47	0.00	0.11
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.04
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.04
C1_4	CHANNEL	0.010	0 01:10	0.40	0.00	0.08
C1_5	CHANNEL	0.008	0 01:10	0.24	0.00	0.10
C1_6	CHANNEL	0.003	0 01:12	0.40	0.00	0.05
C1_7	CHANNEL	0.001	0 01:18	0.42	0.00	0.06
C1_8	CHANNEL	0.014	0 01:10	0.31	0.00	0.11
C1_9	CHANNEL	0.020	0 01:10	0.54	0.00	0.10
C2	CHANNEL	0.015	0 01:10	0.60	0.00	0.09
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.015	0 01:14	0.52	0.00	0.13
C2_11	CHANNEL	0.010	0 01:18	0.61	0.00	0.14
C2_12	CHANNEL	0.024	0 01:10	0.32	0.02	0.18
C2_13	CHANNEL	0.008	0 01:11	0.42	0.00	0.12
C2_14	CHANNEL	0.008	0 01:10	0.40	0.00	0.09
C2_15	CHANNEL	0.003	0 01:12	0.33	0.00	0.12
C2_16	CHANNEL	0.028	0 01:10	0.46	0.01	0.16
C2_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.06
C2_2	CHANNEL	0.016	0 01:10	0.54	0.00	0.12
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.07
C2_4	CHANNEL	0.007	0 01:11	0.58	0.00	0.08
C2_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.04
C2_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_8	CHANNEL	0.016	0 01:12	0.41	0.01	0.14
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C3_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.08
C3_6	CHANNEL	0.010	0 01:10	0.14	0.01	0.19
C3_7	CHANNEL	0.022	0 01:11	0.29	0.01	0.19
C4	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C4_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C4_6	CHANNEL	0.040	0 01:10	1.53	0.01	0.11
C4_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.03
C5	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C5_1	CHANNEL	0.102	0 01:10	0.30	0.02	0.13
C5_10	CHANNEL	0.091	0 01:11	0.48	0.03	0.22
C5_11	CHANNEL	0.082	0 01:16	0.21	0.03	0.25
C5_12	CHANNEL	0.548	0 01:28	1.05	0.05	0.23
C5_13	CHANNEL	0.092	0 01:13	0.57	0.02	0.20
C5_14	CHANNEL	0.080	0 01:21	0.15	0.05	0.31
C5_15	CHANNEL	0.112	0 01:22	0.45	0.03	0.23
C5_16	CHANNEL	0.107	0 01:26	0.39	0.03	0.16
C5_17	CHANNEL	0.105	0 01:28	0.22	0.01	0.17
C5_18	CHANNEL	0.002	0 01:17	0.33	0.00	0.06
C5_19	CHANNEL	0.114	0 01:20	0.38	0.08	0.21
C5_2	CHANNEL	0.083	0 01:15	0.54	0.01	0.16
C5_20	CHANNEL	0.118	0 01:31	0.24	0.01	0.17
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.21
C5_23	CHANNEL	0.099	0 01:11	0.29	0.02	0.13
C5_24	CHANNEL	0.001	0 01:28	0.30	0.00	0.06
C5_25	CHANNEL	0.001	0 01:35	0.50	0.00	0.06
C5_3	CHANNEL	0.094	0 01:12	0.50	0.01	0.17
C5_4	CHANNEL	0.081	0 01:17	0.48	0.00	0.12
C5_5	CHANNEL	0.080	0 01:19	0.72	0.01	0.11
C5_6	CHANNEL	0.082	0 01:16	0.67	0.00	0.10
C5_7	CHANNEL	0.192	0 01:27	0.41	0.02	0.21
C5_8	CHANNEL	0.084	0 01:23	0.18	0.01	0.21
C5_9	CHANNEL	0.382	0 01:25	0.64	0.03	0.24
C6	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C7	CONDUIT	0.016	0 01:12	0.24	0.00	0.02
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT		0.379	0 01:13	1.10	1.01	1.00
C-STRM-1_(1)_(C-STRM) CONDUIT		0.386	0 01:09	1.10	1.19	1.00
C-STRM-1_(C-STRM)	CONDUIT	0.410	0 01:11	1.45	1.73	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.203	0 01:02	1.34	0.47	0.53
C-STRM-101_(C-STRM)	CONDUIT	0.203	0 01:03	1.52	0.47	0.48
C-STRM-102_(C-STRM)	CONDUIT	2.238	0 01:13	4.74	1.16	0.84
C-STRM-105_(C-STRM)	CONDUIT	0.594	0 01:19	0.99	0.85	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.409	0 01:26	1.16	0.95	1.00
C-STRM-107_(1)_(C-STRM) CONDUIT		3.756	0 01:17	1.76	1.06	1.00
C-STRM-107_(C-STRM)	CONDUIT	3.493	0 01:17	1.63	0.99	1.00
C-STRM-2_(1)_(C-STRM) CONDUIT		0.503	0 01:09	1.46	0.89	1.00
C-STRM-2_(C-STRM)	CONDUIT	0.511	0 01:10	1.49	0.91	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.036	0 01:20	1.17	0.13	0.31
C-STRM-21_(C-STRM)	CONDUIT	0.140	0 01:12	1.25	0.46	0.67
C-STRM-22_(1)_(C-STRM) CONDUIT		2.525	0 01:10	1.88	0.92	1.00
C-STRM-22_(C-STRM)	CONDUIT	2.706	0 01:09	1.87	0.99	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.537	0 01:26	1.05	0.97	1.00
C-STRM-26_(1)_(C-STRM) CONDUIT		0.185	0 01:30	0.68	0.55	1.00
C-STRM-26_(C-STRM)	CONDUIT	0.195	0 01:06	0.77	0.58	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.680	0 01:12	1.58	0.86	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.540	0 01:15	1.63	0.91	1.00
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT		0.530	0 01:15	1.48	0.89	1.00
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT		0.522	0 01:16	1.46	0.88	1.00
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT		0.530	0 01:09	1.59	0.94	1.00
C-STRM-3_(1)_(C-STRM) CONDUIT		0.547	0 01:09	1.71	0.97	1.00
C-STRM-33_(1)_(C-STRM) CONDUIT		0.598	0 01:17	1.12	0.85	1.00
C-STRM-33_(C-STRM)	CONDUIT	0.554	0 01:17	1.16	0.79	1.00
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT		0.096	0 01:12	0.61	0.56	0.85
C-STRM-34_(1)_(C-STRM) CONDUIT		0.049	0 01:13	0.41	0.29	0.67
C-STRM-35_(1)_(C-STRM) CONDUIT		0.171	0 01:07	0.96	0.70	1.00
C-STRM-35_(C-STRM)	CONDUIT	0.115	0 01:12	0.50	0.47	1.00
C-STRM-4_(1)_(C-STRM) CONDUIT		0.821	0 01:12	2.01	0.95	0.87
C-STRM-4_(C-STRM)	CONDUIT	0.752	0 01:12	1.70	0.96	1.00
C-STRM-45_(1)_(1)_(C-STRM) CONDUIT		3.496	0 01:16	1.61	0.99	1.00
C-STRM-46_(1)_(C-STRM) CONDUIT		3.502	0 01:16	1.64	0.99	1.00
C-STRM-49_(C-STRM)	CONDUIT	0.408	0 01:28	0.85	0.73	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.514	0 01:28	0.96	0.92	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.736	0 01:27	1.16	1.05	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.838	0 01:26	1.12	0.96	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.052	0 01:25	1.41	1.21	1.00
C-STRM-57_(C-STRM)	CONDUIT	0.903	0 01:12	1.21	1.04	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.071	0 01:10	0.70	0.50	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.113	0 01:11	0.94	0.89	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.152	0 01:13	0.70	0.91	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0 01:12	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.252	0 01:25	1.68	1.25	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.195	0 01:13	2.66	1.14	0.93
C-STRM-78_(C-STRM)	CONDUIT	1.084	0 01:12	1.45	0.88	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT		4.417	0 01:17	1.77	1.22	0.95
C-STRM-79_(C-STRM)	CONDUIT	0.680	0 01:24	1.65	0.97	1.00
C-STRM-8_(1)_(C-STRM) CONDUIT		0.071	0 01:12	0.35	0.37	0.93
C-STRM-8_(C-STRM)	CONDUIT	0.030	0 01:13	0.32	0.24	0.65
C-STRM-80_(C-STRM)	CONDUIT	4.415	0 01:17	1.85	1.22	0.89
C-STRM-81_(C-STRM)	CONDUIT	4.486	0 01:18	2.18	1.23	0.75
C-STRM-82_(C-STRM)	CONDUIT	4.487	0 01:18	2.79	1.23	0.60
C-STRM-83_(1)_(C-STRM) CONDUIT		2.724	0 01:10	1.82	0.99	1.00
C-STRM-84_(C-STRM)	CONDUIT	3.291	0 01:14	1.54	0.93	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.075	0 01:11	0.78	0.86	1.00
CVR-C2	CONDUIT	0.081	0 01:17	1.82	0.30	0.32
CVR-C3	CONDUIT	0.218	0 01:24	2.68	1.34	0.62
CVR-C4	CONDUIT	0.382	0 01:25	2.21	0.13	0.21
ST4-Pipe_-_(99)_(P-Stm) CONDUIT		0.282	0 02:58	1.22	0.29	0.47
W1	CHANNEL	1.874	0 01:24	0.83	0.01	0.03
OR1	ORIFICE	0.282	0 02:58			1.00
OR2	ORIFICE	0.000	0 00:00			0.00
W10	WEIR	0.000	0 00:00			0.00
W11	WEIR	0.000	0 00:00			0.00
W12	WEIR	0.000	0 00:00			0.00
W13	WEIR	0.000	0 00:00			0.00
W14	WEIR	0.000	0 00:00			0.00
W15	WEIR	0.000	0 00:00			0.00
W16	WEIR	0.000	0 00:00			0.00
W17	WEIR	0.000	0 00:00			0.00
W2	WEIR	0.000	0 00:00			0.00
W3	WEIR	0.000	0 00:00			0.00
W4	WEIR	0.000	0 00:00			0.00
W5	WEIR	0.000	0 00:00			0.00
W6	WEIR	0.000	0 00:00			0.00
W7	WEIR	0.000	0 00:00			0.00
W8	WEIR	0.000	0 00:00			0.00
W9	WEIR	0.000	0 00:00			0.00
C-STRM-108_(1)_(C-STRM) DUMMY		0.120	0 01:14			
C-STRM-14_(1)_(C-STRM) DUMMY		0.664	0 01:05			
C-STRM-27_(C-STRM)	DUMMY	0.248	0 01:05			
C-STRM-42_(C-STRM)	DUMMY	0.378	0 01:05			
C-STRM-44_(1)_(C-STRM) DUMMY		0.192	0 01:06			
C-STRM-45_(1)_(C-STRM) DUMMY		0.233	0 01:06			
C-STRM-61_(C-STRM)	DUMMY	0.374	0 01:05			
C-STRM-71_(C-STRM)	DUMMY	0.529	0 01:04			
C-STRM-83_(C-STRM)	DUMMY	2.391	0 01:10			
C-STRM-93_(C-STRM)	DUMMY	0.113	0 01:05			
C-STRM-96_(1)_(C-STRM) DUMMY		0.222	0 01:05			
C-STRM-97_(1)_(C-STRM) DUMMY		0.107	0 01:05			
C-STRM-98_(1)_(C-STRM) DUMMY		0.211	0 01:05			
OL1	DUMMY	0.175	0 01:07			
OL10	DUMMY	0.026	0 00:36			
OL11	DUMMY	0.086	0 01:05			
OL12	DUMMY	0.242	0 01:05			
OL13	DUMMY	0.056	0 01:05			
OL14	DUMMY	0.215	0 01:06			
OL15	DUMMY	0.342	0 01:06			
OL16	DUMMY	0.088	0 01:05			
OL17	DUMMY	0.123	0 01:05			
OL18	DUMMY	0.014	0 01:02			
OL19	DUMMY	0.056	0 01:02			
OL2	DUMMY	0.197	0 01:05			
OL20	DUMMY	0.022	0 01:06			
OL21	DUMMY	0.072	0 01:20			
OL22	DUMMY	0.021	0 01:01			
OL3	DUMMY	0.048	0 01:05			
OL4	DUMMY	0.092	0 01:05			
OL5	DUMMY	0.087	0 01:04			
OL6	DUMMY	0.036	0 01:20			
OL7	DUMMY	0.099	0 01:07			
OL8	DUMMY	0.264	0 01:06			
OL9	DUMMY	0.062	0 01:05			

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.85	0.00
BDR-C2	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.61	0.00
BDR-C3	1.00	0.02	0.00	0.00	0.76	0.23	0.00	0.00	0.00	0.00
BDR-C4	1.00	0.02	0.00	0.00	0.77	0.21	0.00	0.00	0.97	0.00
C1	1.00	0.83	0.00	0.00	0.00	0.00	0.00	0.00	0.95	0.00
C1_1	1.00	0.81	0.03	0.00	0.15	0.00	0.00	0.00	0.95	0.00
C1_11	1.00	0.86	0.01	0.00	0.08	0.05	0.00	0.00	0.02	0.00
C1_2	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.02	0.86	0.00	0.11	0.01	0.00	0.00	0.95	0.00
C1_5	1.00	0.84	0.01	0.00	0.12	0.03	0.00	0.00	0.02	0.00
C1_6	1.00	0.04	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C1_7	1.00	0.02	0.03	0.00	0.49	0.46	0.00	0.00	0.00	0.00
C1_8	1.00	0.85	0.02	0.00	0.11	0.02	0.00	0.00	0.02	0.00
C1_9	1.00	0.85	0.01	0.00	0.08	0.05	0.00	0.00	0.01	0.00
C2	1.00	0.87	0.00	0.00	0.00	0.00	0.00	0.13	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.04	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C2_11	1.00	0.02	0.03	0.00	0.49	0.46	0.00	0.00	0.01	0.00
C2_12	1.00	0.02	0.85	0.00	0.12	0.01	0.00	0.00	0.95	0.00
C2_13	1.00	0.02	0.02	0.00	0.75	0.22	0.00	0.00	0.01	0.00
C2_14	1.00	0.02	0.81	0.00	0.16	0.01	0.00	0.00	0.95	0.00
C2_15	1.00	0.02	0.02	0.00	0.70	0.26	0.00	0.00	0.01	0.00
C2_16	1.00	0.86	0.01	0.00	0.09	0.04	0.00	0.00	0.95	0.00
C2_18	1.00	0.87	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_2	1.00	0.02	0.85	0.00	0.12	0.01	0.00	0.00	0.95	0.00
C2_3	1.00	0.87	0.13	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.04	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C2_5	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_8	1.00	0.02	0.86	0.00	0.10	0.02	0.00	0.00	0.95	0.00
C2_9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_2	1.00	0.88	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_6	1.00	0.86	0.02	0.00	0.12	0.00	0.00	0.00	0.96	0.00
C3_7	1.00	0.86	0.00	0.00	0.14	0.00	0.00	0.00	0.03	0.00
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_6	1.00	0.51	0.36	0.00	0.11	0.02	0.00	0.00	0.95	0.00
C4_7	1.00	0.53	0.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.89	0.00
C5_10	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.96	0.00
C5_11	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_12	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.02	0.00	0.00	0.26	0.72	0.00	0.00	0.01	0.00
C5_14	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.66	0.00
C5_15	1.00	0.02	0.00	0.00	0.97	0.01	0.00	0.00	0.95	0.00
C5_16	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.02	0.02	0.00	0.96	0.00	0.00	0.00	0.95	0.00
C5_18	1.00	0.05	0.00	0.00	0.95	0.01	0.00	0.00	0.94	0.00
C5_19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.70	0.00
C5_2	1.00	0.03	0.00	0.00	0.61	0.36	0.00	0.00	0.00	0.00
C5_20	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_21	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.02	0.00	0.00	0.78	0.20	0.00	0.00	0.57	0.00
C5_24	1.00	0.05	0.00	0.00	0.94	0.01	0.00	0.00	0.94	0.00
C5_25	1.00	0.02	0.03	0.00	0.15	0.80	0.00	0.00	0.00	0.00
C5_3	1.00	0.02	0.00	0.00	0.97	0.01	0.00	0.00	0.96	0.00
C5_4	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.95	0.00
C5_5	1.00	0.04	0.00	0.00	0.95	0.01	0.00	0.00	0.04	0.00
C5_6	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.89	0.00
C5_7	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_8	1.00	0.02	0.03	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C5_9	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C7	1.00	0.53	0.00	0.00	0.00	0.00	0.00	0.47	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.13	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.41	0.00
C-STRM-1_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.03	0.84	0.00	0.10	0.00	0.00	0.02	0.87	0.00
C-STRM-101_(C-STRM)	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-102_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.02	0.00	0.00	0.06	0.00
C-STRM-105_(C-STRM)	1.00	0.02	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.04	0.00	0.00	0.04	0.00	0.00	0.93	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.93	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.50	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.68	0.00
C-STRM-2_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.65	0.00
C-STRM-20_(C-STRM)	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.94	0.01	0.00
C-STRM-21_(C-STRM)	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.95	0.01	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.87	0.00
C-STRM-23_(C-STRM)	1.00	0.04	0.00	0.00	0.02	0.00	0.00	0.94	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.03	0.00	0.00	0.94	0.00	0.00
C-STRM-26_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.93	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.74	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.01	0.71	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.03	0.02	0.00	0.96	0.00	0.00	0.01	0.15	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.00	0.00	0.02	0.77	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.92	0.00
C-STRM-33_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.73	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.02	0.00	0.00	0.94	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.05	0.86	0.00	0.10	0.00	0.00	0.00	0.94	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.02	0.77	0.00	0.21	0.00	0.00	0.00	0.94	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.02	0.00	0.00	0.92	0.05	0.00	0.01	0.86	0.00
C-STRM-46_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.87	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.74	0.00
C-STRM-49_(C-STRM)	1.00	0.02	0.38	0.00	0.60	0.00	0.00	0.00	0.88	0.00
C-STRM-50_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.93	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.94	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.73	0.00
C-STRM-53_(C-STRM)	1.00	0.02	0.19	0.00	0.79	0.00	0.00	0.00	0.66	0.00
C-STRM-57_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.53	0.00
C-STRM-60_(C-STRM)	1.00	0.04	0.00	0.00	0.02	0.00	0.00	0.94	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.02	0.00	0.00	0.01	0.00	0.00	0.97	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.02	0.00	0.00	0.09	0.00	0.00	0.89	0.04	0.00
C-STRM-64_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.02	0.00	0.00	0.50	0.00	0.00	0.48	0.15	0.00
C-STRM-77_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.39	0.00
C-STRM-78_(C-STRM)	1.00	0.02	0.00	0.00	0.50	0.00	0.00	0.48	0.13	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.70	0.00
C-STRM-79_(C-STRM)	1.00	0.04	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.04	0.01	0.00	0.03	0.00	0.00	0.93	0.01	0.00
C-STRM-8_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.84	0.00
C-STRM-81_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.71	0.00
C-STRM-82_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.41	0.00
C-STRM-84_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.71	0.00
C-STRM-87_(C-STRM)	1.00	0.98	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.04	0.00	0.00	0.83	0.13	0.00	0.00	0.87	0.00
CVR-C3	1.00	0.02	0.00	0.00	0.24	0.74	0.00	0.00	0.07	0.00
CVR-C4	1.00	0.02	0.00	0.00	0.60	0.39	0.00	0.00	0.08	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.02	0.00	0.00	0.17	0.00	0.00	0.81	0.00	0.00
W1	1.00	0.89	0.00	0.00	0.00	0.00	0.00	0.11	0.00	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Upstream	Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.01	0.01	0.18	0.01
BDR-C2	0.01	0.01	0.01	0.55	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.12	0.12	0.12	0.01	0.09
C-STRM-1_(1)_(C-STRM)	0.12	0.16	0.12	0.16	0.12
C-STRM-1_(C-STRM)	0.16	0.24	0.16	0.28	0.16
C-STRM-102_(C-STRM)	0.01	0.01	0.01	0.19	0.01
C-STRM-105_(C-STRM)	0.24	0.24	0.26	0.01	0.05
C-STRM-106_(C-STRM)	0.27	0.27	0.28	0.01	0.25
C-STRM-107_(1)_(C-STRM)	0.10	0.22	0.10	0.17	0.10
C-STRM-107_(C-STRM)	0.22	0.24	0.22	0.01	0.22
C-STRM-2_(1)_(C-STRM)	0.13	0.15	0.13	0.01	0.12
C-STRM-2_(C-STRM)	0.12	0.12	0.15	0.01	0.01
C-STRM-22_(1)_(C-STRM)	0.20	0.20	0.21	0.01	0.01
C-STRM-22_(C-STRM)	0.18	0.18	0.20	0.01	0.01
C-STRM-23_(C-STRM)	0.27	0.28	0.27	0.01	0.23
C-STRM-26_(1)_(C-STRM)	0.33	0.33	0.36	0.01	0.01
C-STRM-26_(C-STRM)	0.27	0.27	0.33	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.08	0.08	0.08	0.01	0.07
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.08	0.09	0.08	0.01	0.04
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.09	0.14	0.09	0.01	0.09
C-STRM-3_(1)_(1)_(C-STRM)	0.14	0.19	0.14	0.01	0.14
C-STRM-3_(1)_(2)_(C-STRM)	0.13	0.13	0.19	0.01	0.01
C-STRM-3_(1)_(C-STRM)	0.13	0.13	0.13	0.01	0.01
C-STRM-33_(1)_(C-STRM)	0.22	0.22	0.24	0.01	0.01
C-STRM-33_(C-STRM)	0.19	0.19	0.22	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.17	0.17	0.27	0.01	0.01
C-STRM-35_(C-STRM)	0.01	0.01	0.17	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.04	0.01	0.01	0.01
C-STRM-4_(C-STRM)	0.04	0.08	0.04	0.01	0.04
C-STRM-46_(1)_(1)_(C-STRM)	0.24	0.24	0.24	0.01	0.22
C-STRM-46_(1)_(C-STRM)	0.24	0.26	0.24	0.01	0.24
C-STRM-49_(C-STRM)	0.38	0.38	0.39	0.01	0.01
C-STRM-50_(C-STRM)	0.39	0.39	0.40	0.01	0.33
C-STRM-51_(C-STRM)	0.40	0.40	0.40	0.21	0.39
C-STRM-52_(C-STRM)	0.40	0.40	0.40	0.01	0.37
C-STRM-53_(C-STRM)	0.39	0.40	0.39	0.33	0.39
C-STRM-57_(C-STRM)	0.36	0.36	0.36	0.05	0.33
C-STRM-60_(C-STRM)	0.22	0.22	0.27	0.01	0.01
C-STRM-62_(C-STRM)	0.16	0.16	0.20	0.01	0.01
C-STRM-63_(C-STRM)	0.20	0.20	0.24	0.01	0.01
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.03	0.01
C-STRM-76_(C-STRM)	0.38	0.39	0.38	0.33	0.38
C-STRM-77_(C-STRM)	0.01	0.38	0.01	0.30	0.01
C-STRM-78_(C-STRM)	0.36	0.36	0.38	0.01	0.24
C-STRM-79_(1)_(C-STRM)	0.01	0.11	0.01	0.29	0.01
C-STRM-79_(C-STRM)	0.01	0.01	0.07	0.01	0.01
C-STRM-8_(1)_(C-STRM)	0.01	0.01	0.12	0.01	0.01
C-STRM-80_(C-STRM)	0.01	0.01	0.01	0.29	0.01
C-STRM-81_(C-STRM)	0.01	0.01	0.01	0.30	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.30	0.01
C-STRM-83_(1)_(C-STRM)	0.17	0.17	0.18	0.01	0.01
C-STRM-84_(C-STRM)	0.26	0.28	0.26	0.01	0.26
C-STRM-87_(C-STRM)	0.17	0.17	0.22	0.01	0.01
CVR-C3	0.01	0.01	0.01	0.27	0.01

Analysis begun on: Thu Jun 25 09:02:40 2026
Analysis ended on: Thu Jun 25 09:03:37 2026
Total elapsed time: 00:00:57

Post-Development 1:100 year 3-hour Chicago Event

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  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                  Data       Recording
  Name                 Data Source                Type       Interval
  -------------------------------------------------------------------
  24SCS100             24SCS100                   INTENSITY  15 min.
  6SCS050              6SCS050                    INTENSITY  15 min.
  Rainfall             CHI_3hr_100                INTENSITY  10 min.


  ********************
  Subcatchment Summary
  ********************
  Name                 Area     Width   %Imperv    %Slope Rain Gage            Outlet
  ------------------------------------------------------------------------------------
  A15_1                1.31     13.10     18.98    0.5000 Rainfall             EXD_8
  A15_2                2.15     13.10     18.98    0.5000 Rainfall             EXD_12
  A18                  0.59    338.21     39.12    0.5000 Rainfall             EXD_25
  A19                  1.11    332.78     22.32    0.5000 Rainfall             EXD_20
  A20                  4.83    279.76      8.37    1.5000 Rainfall             EXD_15
  NULL3                0.57    312.75     83.33    1.4500 Rainfall             EXD_27
  S1                   6.51   1465.85     64.29    2.0000 Rainfall             S_607-605
  S1_1                 0.09    154.58     71.43    2.0000 Rainfall             J19
  S1_2                 0.14    147.72     71.43    2.0000 Rainfall             J21
  S10_1                1.84    414.84     64.29    2.0000 Rainfall             S_620-619
  S10_2                2.13    479.37     64.29    2.0000 Rainfall             S_623-622
  S10_4                0.74    165.67     64.29    2.0000 Rainfall             S_627-630
  S10_5                1.26    284.06     64.29    2.0000 Rainfall             S_622-619
  S11                  3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                  0.44    346.44     71.43    2.0000 Rainfall             J2
  S14_1                0.60    371.55     71.43    2.0000 Rainfall             J27
  S14_3                1.06    381.29     71.43    2.0000 Rainfall             J57
  S14_4                0.31    138.84     71.43    2.0000 Rainfall             J47
  S14_5                1.69    653.02     71.43    2.0000 Rainfall             J28
  S14_6                0.28    141.02     71.43    2.0000 Rainfall             J58
  S14_7                1.19    549.94     71.43    2.0000 Rainfall             J60
  S14_8                0.43    191.40     71.43    2.0000 Rainfall             J50
  S15                  1.64    368.26     64.29    2.0000 Rainfall             S_525-MTD
  S16_1                0.46     16.60    100.00    0.5000 Rainfall             EXD_10
  S16_2                0.99     16.60    100.00    0.5000 Rainfall             EXD_8
  S17                  6.26    202.00      3.33    0.5000 Rainfall             EXD_7
  S18_2                3.35    754.05     67.14    2.0000 Rainfall             S_545-541
  S18_3                1.66    372.76     67.14    2.0000 Rainfall             S_528-525
  S18_4                0.88    197.06     67.14    2.0000 Rainfall             S_540-536
  S18_5                1.83    412.02     67.14    2.0000 Rainfall             S_536-532
  S18_6                0.84    188.96     67.14    2.0000 Rainfall             S_532-528
  S19                  0.97    462.04     71.43    2.0000 Rainfall             J36
  S2                   0.37    154.58     71.43    2.0000 Rainfall             J20
  S2_1                 3.14    707.17     67.14    2.0000 Rainfall             637_(C-
STRM)
  S2_2                 1.01    228.16     67.14    2.0000 Rainfall             633_(C-
STRM)
  S20_1                0.45    284.74     71.43    2.0000 Rainfall             J42
  S20_2                0.24    137.80     71.43    2.0000 Rainfall             J38
  S3                   2.12    476.98     64.29    2.0000 Rainfall             S_652-604
  S32_1                0.43    369.16     71.43    2.0000 Rainfall             J43
  S32_2                0.16     35.80     64.29    2.0000 Rainfall             S_504-503
  S36                  1.82     21.00    100.00    0.5000 Rainfall             EXD_10
  S4                  13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                   3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                   0.34    261.05     57.14    2.0000 Rainfall             OF2
  S7                   3.99    402.80     85.71    0.5000 Rainfall             POND_(C-
STRM)
  S8                   1.60    121.93     35.71    2.0000 Rainfall             PARK


  ************
  Node Summary
  ************
                                     Invert     Max.    Ponded    External
  Name                 Type           Elev.    Depth     Area    Inflow
  ----------------------------------------------------------------------
  EXD_1                JUNCTION      104.39     1.51      0.0
  EXD_10               JUNCTION       98.65     1.20      0.0
  EXD_11               JUNCTION       98.50     1.20      0.0
  EXD_12               JUNCTION       98.31     1.20      0.0
  EXD_13               JUNCTION      104.32     1.10      0.0
  EXD_14               JUNCTION      102.49     0.80      0.0
  EXD_15               JUNCTION      100.27     0.80      0.0
  EXD_16               JUNCTION      100.20     0.80      0.0
  EXD_17               JUNCTION       99.89     0.80      0.0
  EXD_18               JUNCTION       99.40     0.84      0.0
  EXD_19               JUNCTION       99.19     0.88      0.0
  EXD_2                JUNCTION      103.47     1.93      0.0
  EXD_20               JUNCTION       99.19     0.88      0.0
  EXD_21               JUNCTION       99.18     0.88      0.0
  EXD_22               JUNCTION       99.14     0.88      0.0
  EXD_23               JUNCTION       98.75     1.14      0.0
  EXD_24               JUNCTION       98.67     1.14      0.0
  EXD_25               JUNCTION       98.52     1.13      0.0
  EXD_26               JUNCTION       98.48     1.13      0.0
  EXD_27               JUNCTION       98.17     1.20      0.0
  EXD_3                JUNCTION      103.19     1.41      0.0
  EXD_4                JUNCTION      102.64     1.20      0.0
  EXD_5                JUNCTION      102.50     1.20      0.0
  EXD_6                JUNCTION      102.32     1.08      0.0
  EXD_7                JUNCTION      101.50     1.06      0.0
  EXD_8                JUNCTION      100.48     1.06      0.0
  EXD_9                JUNCTION      100.39     1.06      0.0
  J1                   JUNCTION      103.45     0.50      0.0
  J13                  JUNCTION      103.30     0.50      0.0
  J17                  JUNCTION      104.37     1.04      0.0
  J19                  JUNCTION      105.60     0.50      0.0
  J2                   JUNCTION      109.00     0.50      0.0
  J20                  JUNCTION      105.80     0.50      0.0
  J21                  JUNCTION      105.90     0.50      0.0
  J22                  JUNCTION      106.00     0.50      0.0
  J23                  JUNCTION      106.20     0.50      0.0
  J27                  JUNCTION      109.00     0.50      0.0
  J28                  JUNCTION      108.80     0.50      0.0
  J3                   JUNCTION      103.70     0.50      0.0
  J31                  JUNCTION      106.00     0.50      0.0
  J35                  JUNCTION      104.70     0.50      0.0
  J36                  JUNCTION      104.93     0.50      0.0
  J37                  JUNCTION      104.65     0.50      0.0
  J38                  JUNCTION      104.60     0.50      0.0
  J39                  JUNCTION      104.45     0.50      0.0
  J4                   JUNCTION      103.60     0.50      0.0
  J40                  JUNCTION      103.20     0.50      0.0
  J42                  JUNCTION      104.20     0.50      0.0
  J43                  JUNCTION      104.50     0.50      0.0
  J45                  JUNCTION      104.60     0.50      0.0
  J46                  JUNCTION      105.10     0.50      0.0
  J47                  JUNCTION      105.75     0.50      0.0
  J49                  JUNCTION      105.30     0.50      0.0
  J5                   JUNCTION      103.50     0.50      0.0
  J50                  JUNCTION      106.75     0.50      0.0
  J51                  JUNCTION      109.75     0.50      0.0
  J52                  JUNCTION      109.00     0.50      0.0
  J55                  JUNCTION      109.10     0.50      0.0
  J56                  JUNCTION      108.47     0.50      0.0
  J57                  JUNCTION      108.40     0.50      0.0
  J58                  JUNCTION      108.00     0.50      0.0
  J6                   JUNCTION      103.40     0.50      0.0
  J60                  JUNCTION      107.00     0.50      0.0
  J61                  JUNCTION      106.50     0.50      0.0
  J62                  JUNCTION      105.70     0.50      0.0
  J63                  JUNCTION      105.20     0.50      0.0
  J66                  JUNCTION      107.75     0.50      0.0
  J67                  JUNCTION      107.50     0.50      0.0
  J74                  JUNCTION       98.45     0.90      0.0
  OF1                  OUTFALL       100.80     0.00      0.0
  OF2                  OUTFALL         0.00     0.00      0.0
  OF3                  OUTFALL        98.00     1.06      0.0
  ST4_108A_(P-Stm)     OUTFALL        98.02     1.19      0.0
  500_(C-STRM)         STORAGE       100.37     2.79      0.0
  502_(C-STRM)         STORAGE       100.57     3.70      0.0
  503_(C-STRM)         STORAGE       100.61     3.91      0.0
  504_(C-STRM)         STORAGE       103.06     2.80      0.0
  505_(C-STRM)         STORAGE       103.48     3.27      0.0
  506_(C-STRM)         STORAGE       103.83     3.15      0.0
  507_(C-STRM)         STORAGE       104.17     3.19      0.0
  508_(C-STRM)         STORAGE       104.39     3.18      0.0
  509_(C-STRM)         STORAGE       104.62     3.12      0.0
  510_(C-STRM)         STORAGE       104.87     3.06      0.0
  511_(C-STRM)         STORAGE       104.94     3.06      0.0
  512_(C-STRM)         STORAGE       105.14     3.10      0.0
  513_(C-STRM)         STORAGE       105.27     3.12      0.0
  514_(C-STRM)         STORAGE       105.61     3.13      0.0
  515_(C-STRM)         STORAGE       105.88     3.22      0.0
  516_(C-STRM)         STORAGE       105.48     3.03      0.0
  517_(C-STRM)         STORAGE       105.64     3.00      0.0
  518_(C-STRM)         STORAGE       105.88     2.90      0.0
  519_(C-STRM)         STORAGE       106.10     2.79      0.0
  520_(C-STRM)         STORAGE       106.37     2.63      0.0
  522_(C-STRM)         STORAGE       104.31     3.00      0.0
  525_(C-STRM)         STORAGE       100.58     2.72      0.0
  528_(C-STRM)         STORAGE       100.70     2.71      0.0
  532_(C-STRM)         STORAGE       100.80     2.70      0.0
  536_(C-STRM)         STORAGE       100.95     2.65      0.0
  540_(C-STRM)         STORAGE       100.83     2.87      0.0
  541_(C-STRM)         STORAGE       100.91     2.92      0.0
  551_(C-STRM)         STORAGE       100.67     3.79      0.0
  552_(C-STRM)         STORAGE       100.77     3.86      0.0
  553_(C-STRM)         STORAGE       100.96     3.76      0.0
  554_(C-STRM)         STORAGE       101.08     3.89      0.0
  555_(C-STRM)         STORAGE       101.27     4.08      0.0
  556_(C-STRM)         STORAGE       101.39     4.21      0.0
  601_(C-STRM)         STORAGE       100.43     4.45      0.0
  602_(C-STRM)         STORAGE       100.48     4.16      0.0
  603_(C-STRM)         STORAGE       100.55     3.99      0.0
  604_(C-STRM)         STORAGE       100.63     5.14      0.0
  605_(C-STRM)         STORAGE       101.38     5.35      0.0
  619_(C-STRM)         STORAGE       101.12     5.40      0.0
  622_(C-STRM)         STORAGE       101.24     4.78      0.0
  626_(C-STRM)         STORAGE       104.00     3.20      0.0
  627_(C-STRM)         STORAGE       103.20     3.50      0.0
  629_(C-STRM)         STORAGE       101.71     4.40      0.0
  630_(C-STRM)         STORAGE       101.83     4.37      0.0
  630A_(C-STRM)        STORAGE       101.88     4.12      0.0
  633_TC-STRM)         STORAGE       105.30     0.50      0.0
  634_(C-STRM)         STORAGE       101.88     3.82      0.0
  637_(C-STRM)         STORAGE       105.35     0.50      0.0
  643_(C-STRM)         STORAGE       102.07     3.45      0.0
  644_(C-STRM)         STORAGE       102.54     3.17      0.0
  645_(C-STRM)         STORAGE       102.30     3.61      0.0
  646_(C-STRM)         STORAGE       102.43     3.34      0.0
  647_(C-STRM)         STORAGE       102.57     3.03      0.0
  650_(C-STRM)         STORAGE       100.99     5.17      0.0
  651_(C-STRM)         STORAGE       100.89     4.99      0.0
  652_(C-STRM)         STORAGE       100.87     4.97      0.0
  Filter_Bed           STORAGE       100.10     1.48      0.0
  Industrial_NORTH     STORAGE       105.20     0.50      0.0
  Industrial_South     STORAGE       105.00     0.50      0.0
  MTD_(C-STRM)         STORAGE       100.36     3.02      0.0
  OVERFLOW_(C-STRM)    STORAGE       100.17     2.83      0.0
  PARK                 STORAGE       105.36     0.50      0.0
  POND_(C-STRM)        STORAGE        98.45     2.65      0.0    Yes
  S_504-503            STORAGE       105.75     0.50      0.0
  S_525-MTD            STORAGE       103.45     0.50      0.0
  S_528-525            STORAGE       103.50     0.50      0.0
  S_532-528            STORAGE       103.65     0.50      0.0
  S_536-532            STORAGE       103.70     0.50      0.0
  S_540-536            STORAGE       103.85     0.50      0.0
  S_545-541            STORAGE       103.90     0.50      0.0
  S_607-605            STORAGE       107.90     0.50      0.0
  S_620-619            STORAGE       106.90     0.50      0.0
  S_622-619            STORAGE       106.00     0.50      0.0
  S_623-622            STORAGE       106.50     0.50      0.0
  S_627-630            STORAGE       106.70     0.50      0.0
  S_652-604            STORAGE       105.85     0.50      0.0
  Woodlot_North        STORAGE       106.75     0.50      0.0


  ************
  Link Summary
  ************
  Name                 From Node        To Node          Type            Length    %Slope
Roughness
  ---------------------------------------------------------------------------------------
-
  BDR-C1               EXD_15           EXD_16           CONDUIT           17.7    0.3844
0.0250
  BDR-C2               EXD_20           EXD_21           CONDUIT            7.9    0.0632
0.0130
  BDR-C3               EXD_25           EXD_26           CONDUIT           14.2    0.2683
0.0130
  BDR-C4               EXD_12           EXD_27           CONDUIT           23.0    0.6077
0.0130
  C1                   J27              J28              CONDUIT          185.8    0.1077
0.0130
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  C1_1              J28               J57               CONDUIT          329.5    0.1214
0.0130
  C1_11             J47               J43               CONDUIT           75.0    1.6661
0.0130
  C1_2              J55               J57               CONDUIT          190.6    0.3672
0.0130
  C1_3              J56               J57               CONDUIT           40.0    0.1748
0.0130
  C1_4              J58               J66               CONDUIT           70.2    0.3562
0.0130
  C1_5              J57               J58               CONDUIT           76.8    0.5205
0.0130
  C1_6              J66               J67               CONDUIT           70.0    0.3571
0.0130
  C1_7              J67               J60               CONDUIT           69.8    0.7166
0.0130
  C1_8              J60               J50               CONDUIT           73.0    0.3424
0.0130
  C1_9              J50               J47               CONDUIT           92.6    1.0800
0.0130
  C2                J2                EXD_1             CONDUIT          173.2    1.9632
0.0130
  C2_1              J51               J52               CONDUIT           39.5    1.8977
0.0130
  C2_10             J63               J36               CONDUIT           39.5    0.6883
0.0130
  C2_11             J36               J35               CONDUIT           72.0    0.3166
0.0130
  C2_12             J35               J37               CONDUIT           45.5    0.1098
0.0130
  C2_13             J37               J38               CONDUIT           28.9    0.1729
0.0130
  C2_14             J38               J39               CONDUIT           44.0    0.3457
0.0130
  C2_15             J39               J42               CONDUIT           72.0    0.3442
0.0130
  C2_16             J43               J42               CONDUIT           31.1    0.9633
0.0130
  C2_18             J45               J43               CONDUIT           70.2    0.1425
0.0130
  C2_2              J60               J61               CONDUIT           75.0    0.6666
0.0130
  C2_3              J52               J60               CONDUIT          165.4    1.2090
0.0130
  C2_4              J61               J31               CONDUIT           72.0    0.6944
0.0130
  C2_5              J23               J31               CONDUIT          163.3    0.1225
0.0130
  C2_7              J23               J22               CONDUIT           27.9    0.7165
0.0130
  C2_8              J19               J63               CONDUIT          110.8    0.3610
0.0130
  C2_9              J46               J45               CONDUIT           93.4    0.5355
0.0130
  C3                J3                J4                CONDUIT           72.6    0.1378
0.0130
  C3_2              J22               J21               CONDUIT           73.0    0.1370
0.0130
  C3_6              J21               J20               CONDUIT           75.8    0.1319
0.0130
  C3_7              J20               J19               CONDUIT          112.3    0.1781
0.0130
  C4                J4                J5                CONDUIT           49.7    0.2012
0.0130
  C4_5              J1                J13               CONDUIT          118.4    0.1267
0.0130
  C4_6              J42               J40               CONDUIT           45.9    2.1776
0.0130
  C4_7              J13               J40               CONDUIT           64.4    0.1553
0.0130
  C5                J5                J6                CONDUIT           68.4    0.1461
0.0130
  C5_1              EXD_1             J17               CONDUIT           19.0    0.1054
0.0250
  C5_10             EXD_16            EXD_17            CONDUIT           81.0    0.3866
0.0250
  C5_11             EXD_18            EXD_19            CONDUIT          109.9    0.1893
0.0250
  C5_12             EXD_27            OF3               CONDUIT           27.1    0.6098
0.0250
  C5_13             EXD_17            EXD_18            CONDUIT           99.9    0.4876
0.0250
  C5_14             EXD_19            EXD_20            CONDUIT           12.7    0.0550
0.0250
  C5_15             EXD_22            EXD_23            CONDUIT          101.7    0.3893
0.0250
  C5_16             EXD_23            EXD_24            CONDUIT          102.4    0.0781
0.0250
  C5_17             EXD_24            EXD_25            CONDUIT           54.8    0.2645
0.0250
  C5_18             J31               J62               CONDUIT           71.0    0.4225
0.0130
  C5_19             EXD_21            EXD_22            CONDUIT           66.3    0.0558
0.0250
  C5_2              EXD_2             EXD_3             CONDUIT           95.1    0.2933
0.0250
  C5_20             EXD_26            EXD_27            CONDUIT          121.0    0.2645
0.0250
  C5_21             EXD_14            EXD_15            CONDUIT          142.1    1.5626
0.0250
  C5_23             J17               EXD_13            CONDUIT           37.0    0.1299
0.0250
  C5_24             J62               J49               CONDUIT           91.3    0.4382
0.0130
  C5_25             J49               J38               CONDUIT           76.5    0.9152
0.0130
  C5_3              EXD_13            EXD_2             CONDUIT          104.3    0.8195
0.0250
  C5_4              EXD_4             EXD_5             CONDUIT           16.6    0.8880
0.0250
  C5_5              EXD_6             EXD_7             CONDUIT          104.5    0.7893
0.0250
  C5_6              EXD_3             EXD_4             CONDUIT           61.7    0.8871
0.0250
  C5_7              EXD_9             EXD_10            CONDUIT          284.4    0.6091
0.0250
  C5_8              EXD_7             EXD_8             CONDUIT          165.7    0.6095
0.0250
  C5_9              EXD_11            EXD_12            CONDUIT           31.7    0.6087
0.0250
  C6                J6                J13               CONDUIT           71.5    0.1398
0.0130
  C7                J40               Filter_Bed        CONDUIT           63.6    0.3144
0.0130
  C-STRM-1_(1)_(1)_(C-STRM) 516_(C-STRM)     513_(C-STRM)     CONDUIT          106.6    0.1998
0.0130
  C-STRM-1_(1)_(C-STRM) 517_(C-STRM)     516_(C-STRM)     CONDUIT          106.0    0.1500
0.0130
  C-STRM-1_(C-STRM) 518_(C-STRM)     517_(C-STRM)     CONDUIT          106.6    0.1500
0.0130
  C-STRM-100_(C-STRM) OVERFLOW_(C-STRM) 500_(C-STRM)     CONDUIT           26.4    0.4998
0.0130
  C-STRM-101_(C-STRM) 500_(C-STRM)     POND_(C-STRM)     CONDUIT           12.9    0.5021
0.0130
  C-STRM-102_(C-STRM) OVERFLOW_(C-STRM) Filter_Bed       CONDUIT           14.0    0.5008
0.0130
  C-STRM-105_(C-STRM) 645_(C-STRM)     630A_(C-STRM)     CONDUIT           73.9    0.1502
0.0130
  C-STRM-106_(C-STRM) 643_(C-STRM)     634_(C-STRM)      CONDUIT           72.0    0.1500
0.0130
  C-STRM-107_(1)_(C-STRM) 652_(C-STRM)     604_(C-STRM)     CONDUIT           61.9    0.1502
0.0130
  C-STRM-107_(C-STRM) 651_(C-STRM)     652_(C-STRM)     CONDUIT           10.7    0.1495
0.0130
  C-STRM-2_(1)_(C-STRM) 512_(C-STRM)     511_(C-STRM)     CONDUIT           44.5    0.4498
0.0130
  C-STRM-2_(C-STRM) 513_(C-STRM)     512_(C-STRM)     CONDUIT           29.3    0.4502
0.0130
  C-STRM-20_(C-STRM) 626_(C-STRM)     627_(C-STRM)     CONDUIT           72.4    1.0002
0.0130
  C-STRM-21_(C-STRM) 627_(C-STRM)     630_(C-STRM)     CONDUIT           74.3    0.4995
0.0130
  C-STRM-22_(1)_(C-STRM) 629_(C-STRM)     622_(C-STRM)     CONDUIT           81.4    0.1499
0.0130
  C-STRM-22_(C-STRM) 630_(C-STRM)     629_(C-STRM)     CONDUIT           82.1    0.1498
0.0130
  C-STRM-23_(C-STRM) 634_(C-STRM)     622_(C-STRM)     CONDUIT           72.0    0.1500
0.0130
  C-STRM-26_(1)_(C-STRM) 551_(C-STRM)     502_(C-STRM)     CONDUIT           60.8    0.1613
0.0130
  C-STRM-26_(C-STRM) 552_(C-STRM)     551_(C-STRM)     CONDUIT           60.3    0.1593
0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) 506_(C-STRM)     505_(C-STRM)     CONDUIT
70.0    0.4998    0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) 507_(C-STRM)     506_(C-STRM)     CONDUIT           51.7
0.5005    0.0130
  C-STRM-3_(1)_(1)_(1)_(C-STRM) 508_(C-STRM)     507_(C-STRM)     CONDUIT           45.5
0.5011    0.0130
  C-STRM-3_(1)_(1)_(C-STRM) 509_(C-STRM)     508_(C-STRM)     CONDUIT           45.5    0.4989
0.0130
  C-STRM-3_(1)_(2)_(C-STRM) 510_(C-STRM)     509_(C-STRM)     CONDUIT           55.7    0.4507
0.0130
  C-STRM-3_(1)_(C-STRM) 511_(C-STRM)     510_(C-STRM)     CONDUIT           14.5    0.4469
0.0130
  C-STRM-33_(1)_(C-STRM) 646_(C-STRM)     645_(C-STRM)     CONDUIT           91.0    0.1505
0.0130
  C-STRM-33_(C-STRM) 647_(C-STRM)     646_(C-STRM)     CONDUIT           92.9    0.1496
0.0130
  C-STRM-34_(1)_(1)_(C-STRM) 555_(C-STRM)     554_(C-STRM)     CONDUIT           75.2
0.1596    0.0130
  C-STRM-34_(1)_(C-STRM) 556_(C-STRM)     555_(C-STRM)     CONDUIT           75.2    0.1596
0.0130
  C-STRM-35_(1)_(C-STRM) 553_(C-STRM)     552_(C-STRM)     CONDUIT           72.1    0.1596
0.0130
  C-STRM-35_(C-STRM) 554_(C-STRM)     553_(C-STRM)     CONDUIT           72.0    0.1611
0.0130
  C-STRM-4_(1)_(C-STRM) 504_(C-STRM)     503_(C-STRM)     CONDUIT           83.2    0.6007
0.0130
  C-STRM-4_(C-STRM) 505_(C-STRM)     504_(C-STRM)     CONDUIT           84.0    0.4998
0.0130
  C-STRM-46_(1)_(1)_(C-STRM) 650_(C-STRM)     651_(C-STRM)     CONDUIT           68.0
0.1500    0.0130
  C-STRM-46_(1)_(C-STRM) 619_(C-STRM)     650_(C-STRM)     CONDUIT           89.7    0.1506
0.0130
  C-STRM-49_(C-STRM) 541_(C-STRM)     540_(C-STRM)     CONDUIT           47.7    0.1508
0.0130
  C-STRM-50_(C-STRM) 540_(C-STRM)     536_(C-STRM)     CONDUIT           72.0    0.1500
0.0130
  C-STRM-51_(C-STRM) 536_(C-STRM)     532_(C-STRM)     CONDUIT           48.5    0.1505
0.0130
  C-STRM-52_(C-STRM) 532_(C-STRM)     528_(C-STRM)     CONDUIT           69.0    0.1507
0.0130
  C-STRM-53_(C-STRM) 528_(C-STRM)     525_(C-STRM)     CONDUIT           75.0    0.1493
0.0130
  C-STRM-57_(C-STRM) 503_(C-STRM)     502_(C-STRM)     CONDUIT           27.5    0.1489
0.0130
  C-STRM-60_(C-STRM) 644_(C-STRM)     643_(C-STRM)     CONDUIT           67.2    0.2486
0.0130
  C-STRM-62_(C-STRM) 520_(C-STRM)     519_(C-STRM)     CONDUIT           95.9    0.2003
0.0130
  C-STRM-63_(C-STRM) 519_(C-STRM)     518_(C-STRM)     CONDUIT           97.4    0.1498
0.0130
  C-STRM-64_(C-STRM) 522_(C-STRM)     EXD_1            CONDUIT           81.9    0.2504
0.0130
  C-STRM-76_(C-STRM) 525_(C-STRM)     MTD_(C-STRM)     CONDUIT           72.6    0.1998
0.0130
  C-STRM-77_(C-STRM) MTD_(C-STRM)     OVERFLOW_(C-STRM) CONDUIT           38.5    0.4986
0.0130
  C-STRM-78_(C-STRM) 502_(C-STRM)     MTD_(C-STRM)     CONDUIT           44.0    0.3003
0.0130
  C-STRM-79_(1)_(C-STRM) 604_(C-STRM)     603_(C-STRM)     CONDUIT           72.0    0.1000
0.0130
  C-STRM-79_(C-STRM) 605_(C-STRM)     604_(C-STRM)     CONDUIT           89.5    0.1508
0.0130
  C-STRM-8_(1)_(C-STRM) 514_(C-STRM)     513_(C-STRM)     CONDUIT           95.2    0.1997
0.0130
  C-STRM-8_(C-STRM) 515_(C-STRM)     514_(C-STRM)     CONDUIT           95.1    0.1997
0.0130
  C-STRM-80_(C-STRM) 603_(C-STRM)     602_(C-STRM)     CONDUIT           74.3    0.0996
0.0130
  C-STRM-81_(C-STRM) 602_(C-STRM)     601_(C-STRM)     CONDUIT           46.7    0.1007
0.0130
  C-STRM-82_(C-STRM) 601_(C-STRM)     POND_(C-STRM)    CONDUIT           33.0    0.1000
0.0130
  C-STRM-83_(1)_(C-STRM) 630A_(C-STRM)    630_(C-STRM)     CONDUIT           27.1    0.1513
0.0130
  C-STRM-84_(C-STRM) 622_(C-STRM)     619_(C-STRM)     CONDUIT           75.0    0.1493
0.0130
  C-STRM-87_(C-STRM) 645_(C-STRM)     644_(C-STRM)     CONDUIT           68.6    0.2494
0.0130
  CVR-C2            EXD_5             EXD_6             CONDUIT          19.8    0.8875
0.0130
  CVR-C3            EXD_8             EXD_9             CONDUIT          16.4    0.6114
0.0130
  CVR-C4            EXD_10            EXD_11            CONDUIT          25.4    0.6110
0.0130
  ST4-Pipe_-_(99)_(P-Stm) J74               ST4_108A_(P-Stm) CONDUIT           49.3    0.2840
0.0130
  W1                Filter_Bed        POND_(C-STRM)     CONDUIT           4.9    0.0063
0.0250
  OR1               POND_(C-STRM)     J74               ORIFICE
  OR2               POND_(C-STRM)     J74               ORIFICE
  W10               637_(C-STRM)      J35               WEIR
  W11               633_(C-STRM)      J49               WEIR
  W12               S_652-604         J47               WEIR
  W13               S_545-541         J3                WEIR
  W14               S_540-536         J3                WEIR
  W15               S_536-532         J4                WEIR
  W16               S_532-528         J5                WEIR
  W17               S_528-525         J6                WEIR
  W2                POND_(C-STRM)     OF1               WEIR
  W3                S_504-503         J47               WEIR
  W4                S_627-630         J23               WEIR
  W5                S_525-MTD         J13               WEIR
  W6                S_623-622         J31               WEIR
  W7                S_620-619         J61               WEIR
  W8                S_607-605         J50               WEIR
  W9                S_622-619         J31               WEIR
  C-STRM-108_(1)_(C-STRM) 633_(C-STRM)     634_(C-STRM)     OUTLET
  C-STRM-14_(1)_(C-STRM) S_607-605         605_(C-STRM)     OUTLET
  C-STRM-27_(C-STRM) S_623-622         622_(C-STRM)     OUTLET
  C-STRM-42_(C-STRM) S_545-541         541_(C-STRM)     OUTLET
  C-STRM-44_(1)_(C-STRM) S_525-MTD         525_(C-STRM)     OUTLET
  C-STRM-45_(1)_(C-STRM) S_620-619         619_(C-STRM)     OUTLET
  C-STRM-61_(C-STRM) 637_(C-STRM)     643_(C-STRM)     OUTLET
  C-STRM-71_(C-STRM) Industrial_South 647_(C-STRM)     OUTLET
  C-STRM-83_(C-STRM) Industrial_NORTH 630A_(C-STRM)    OUTLET
  C-STRM-93_(C-STRM) S_540-536         540_(C-STRM)     OUTLET
  C-STRM-96_(1)_(C-STRM) S_536-532         536_(C-STRM)     OUTLET
  C-STRM-97_(1)_(C-STRM) S_532-528         532_(C-STRM)     OUTLET
  C-STRM-98_(1)_(C-STRM) S_528-525         528_(C-STRM)     OUTLET
  OL1               J22               622_(C-STRM)      OUTLET
  OL10              Filter_Bed        POND_(C-STRM)     OUTLET
  OL11              J50               505_(C-STRM)      OUTLET
  OL12              J60               506_(C-STRM)      OUTLET
  OL13              J58               511_(C-STRM)      OUTLET
  OL14              J57               513_(C-STRM)      OUTLET
  OL15              J28               518_(C-STRM)      OUTLET
  OL16              J2                522_(C-STRM)      OUTLET
  OL17              J27               520_(C-STRM)      OUTLET
  OL18              J19               647_(C-STRM)      OUTLET
  OL19              J20               646_(C-STRM)      OUTLET
  OL2               J35               553_(C-STRM)      OUTLET
  OL20              S_504-503         504_(C-STRM)      OUTLET
  OL21              PARK              602_(C-STRM)      OUTLET
  OL22              J21               645_(C-STRM)      OUTLET
  OL3               J38               552_(C-STRM)      OUTLET
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OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET
OL6	Woodlot_North	626_(C-STRM)	OUTLET
OL7	S_627-630	627_(C-STRM)	OUTLET
OL8	S_652-604	652_(C-STRM)	OUTLET
OL9	J47	504_(C-STRM)	OUTLET

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-20_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm) CIRCULAR		0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

****
Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1373	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2287	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9708	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4415	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4028	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1134	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772

0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912
0.3975	0.4038	0.4101	0.4147	0.4188
0.4228	0.4269	0.4309	0.4350	0.4390
0.4430	0.4471	0.4511	0.4552	0.4592
0.4633	0.4673	0.4719	0.4786	0.4852
0.4919	0.4986	0.5052	0.5119	0.5186
0.5252	0.5375	0.5591	0.5808	0.6126
0.6529	0.7560	0.7953	0.8372	1.0000

Transect Barnsdale_UPST5

Area:

0.0011	0.0046	0.0104	0.0185	0.0278
0.0383	0.0495	0.0612	0.0736	0.0865
0.1000	0.1141	0.1288	0.1443	0.1606
0.1778	0.1959	0.2143	0.2330	0.2518
0.2709	0.2903	0.3099	0.3296	0.3497
0.3699	0.3904	0.4111	0.4319	0.4530
0.4743	0.4958	0.5175	0.5395	0.5616
0.5839	0.6064	0.6292	0.6521	0.6753
0.6991	0.7235	0.7484	0.7740	0.8019
0.8364	0.8742	0.9142	0.9560	1.0000

Hrad:

0.0248	0.0493	0.0735	0.1040	0.1389
0.1735	0.2124	0.2498	0.2859	0.3209
0.3550	0.3881	0.4187	0.4434	0.4680
0.4924	0.5212	0.5606	0.5992	0.6372
0.6745	0.7111	0.7472	0.7827	0.8176
0.8520	0.8860	0.9202	0.9539	0.9872
1.0201	1.0525	1.0845	1.1162	1.1474
1.1784	1.2090	1.2392	1.2691	1.2876
1.2994	1.3117	1.3244	1.3163	1.1702
1.0461	1.0307	1.0260	1.0309	1.0000

Width:

0.0497	0.0999	0.1518	0.1903	0.2141
0.2355	0.2481	0.2607	0.2733	0.2859
0.2985	0.3111	0.3252	0.3438	0.3625
0.3813	0.3961	0.4010	0.4059	0.4108
0.4157	0.4206	0.4255	0.4303	0.4352
0.4401	0.4450	0.4494	0.4538	0.4583
0.4627	0.4672	0.4716	0.4761	0.4805
0.4850	0.4894	0.4938	0.4983	0.5078
0.5204	0.5330	0.5457	0.5684	0.6711
0.7919	0.8423	0.8866	0.9238	1.0000

Transect Barnsdale_UPST6

Area:

0.0014	0.0054	0.0102	0.0156	0.0217
0.0284	0.0356	0.0434	0.0517	0.0605
0.0698	0.0796	0.0899	0.1007	0.1121
0.1243	0.1373	0.1512	0.1656	0.1807
0.1962	0.2123	0.2291	0.2483	0.2703
0.2945	0.3189	0.3434	0.3680	0.3929
0.4178	0.4430	0.4687	0.4947	0.5212
0.5482	0.5760	0.6046	0.6335	0.6626
0.6921	0.7218	0.7518	0.7820	0.8133
0.8461	0.8801	0.9163	0.9564	1.0000

Hrad:

0.0226	0.0600	0.0982	0.1332	0.1659
0.1974	0.2291	0.2613	0.2925	0.3228
0.3524	0.3813	0.4096	0.4373	0.4557
0.4729	0.4908	0.5133	0.5388	0.5667
0.5954	0.6238	0.6186	0.5790	0.5404
0.5828	0.6246	0.6659	0.7067	0.7469
0.7867	0.8189	0.8502	0.8811	0.9116
0.9331	0.9497	0.9763	1.0109	1.0452
1.0791	1.1126	1.1458	1.1787	1.1574
1.1642	1.1570	1.1256	1.0602	1.0000

Width:

0.0656	0.0958	0.1094	0.1231	0.1368
0.1501	0.1622	0.1729	0.1837	0.1944
0.2052	0.2159	0.2267	0.2377	0.2539
0.2715	0.2891	0.3043	0.3175	0.3291
0.3399	0.3507	0.3819	0.4435	0.5186
0.5219	0.5251	0.5284	0.5317	0.5350
0.5382	0.5558	0.5647	0.5737	0.5827
0.5886	0.6068	0.6185	0.6243	0.6301
0.6359	0.6417	0.6475	0.6534	0.6932
0.7170	0.7512	0.8061	0.8978	1.0000

Transect Barnsdale_UPST7

Area:

0.0031	0.0077	0.0135	0.0206	0.0292
0.0385	0.0485	0.0590	0.0699	0.0811
0.0928	0.1047	0.1170	0.1297	0.1427
0.1561	0.1700	0.1843	0.1992	0.2145
0.2304	0.2467	0.2636	0.2810	0.3005
0.3224	0.3464	0.3708	0.3955	0.4204
0.4456	0.4710	0.4972	0.5239	0.5510
0.5784	0.6060	0.6340	0.6622	0.6907
0.7195	0.7487	0.7782	0.8081	0.8383
0.8691	0.9003	0.9322	0.9647	1.0000

Hrad:

0.0323	0.0624	0.0905	0.1084	0.1375
0.1686	0.1997	0.2314	0.2650	0.2977
0.3296	0.3608	0.3913	0.4212	0.4493
0.4751	0.5005	0.5247	0.5476	0.5703
0.5929	0.6154	0.6378	0.6601	0.5891
0.5938	0.5928	0.6266	0.6599	0.6927
0.7252	0.7501	0.7705	0.7948	0.8255
0.8559	0.8860	0.9157	0.9452	0.9727
1.0000	1.0270	1.0538	1.0784	1.1003
1.1221	1.1420	1.1557	1.1624	1.0000

Width:

0.0999	0.1304	0.1570	0.1994	0.2229
0.2396	0.2541	0.2664	0.2751	0.2837
0.2923	0.3010	0.3096	0.3183	0.3279
0.3390	0.3501	0.3618	0.3745	0.3872
0.3998	0.4124	0.4251	0.4377	0.5266
0.5610	0.6032	0.6092	0.6153	0.6213
0.6274	0.6399	0.6563	0.6692	0.6761
0.6830	0.6899	0.6967	0.7036	0.7118
0.7199	0.7281	0.7362	0.7458	0.7573
0.7688	0.7817	0.7991	0.8220	1.0000

Transect GBR

Area:

0.0002	0.0008	0.0018	0.0032	0.0051
0.0073	0.0099	0.0130	0.0164	0.0203
0.0245	0.0292	0.0343	0.0401	0.0532
0.0756	0.1002	0.1249	0.1496	0.1742
0.1989	0.2235	0.2482	0.2729	0.2975
0.3222	0.3468	0.3715	0.3962	0.4209
0.4460	0.4715	0.4974	0.5237	0.5505
0.5776	0.6051	0.6331	0.6614	0.6902
0.7193	0.7489	0.7789	0.8092	0.8400
0.8712	0.9028	0.9348	0.9672	1.0000

Hrad:

0.0148	0.0296	0.0444	0.0592	0.0741
0.0889	0.1037	0.1185	0.1333	0.1481
0.1629	0.1777	0.1925	0.1451	0.0889
0.0921	0.1222	0.1522	0.1821	0.2121
0.2420	0.2720	0.3019	0.3318	0.3616
0.3913	0.4211	0.4511	0.4809	0.5106
0.5398	0.5684	0.5963	0.6237	0.6505
0.6768	0.7026	0.7280	0.7529	0.7773
0.8013	0.8249	0.8480	0.8708	0.8932
0.9153	0.9369	0.9583	0.9793	1.0000

Width:

0.0123	0.0246	0.0369	0.0492	0.0614
0.0737	0.0860	0.0983	0.1106	0.1229
0.1352	0.1475	0.1598	0.2496	0.5446
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7542
0.7665	0.7788	0.7911	0.8034	0.8157
0.8280	0.8402	0.8525	0.8648	0.8771
0.8894	0.9017	0.9140	0.9263	0.9386
0.9508	0.9631	0.9754	0.9877	1.0000

Transect Pond_SpillWay

Area:

0.0040	0.0088	0.0142	0.0204	0.0274
0.0350	0.0434	0.0524	0.0622	0.0728
0.0840	0.0960	0.1087	0.1221	0.1362
0.1511	0.1666	0.1829	0.2000	0.2177
0.2362	0.2554	0.2753	0.2959	0.3173
0.3393	0.3621	0.3856	0.4099	0.4348
0.4600	0.4855	0.5113	0.5375	0.5640
0.5908	0.6180	0.6454	0.6732	0.7013
0.7297	0.7585	0.7875	0.8169	0.8466
0.8767	0.9070	0.9377	0.9687	1.0000

Hrad:

0.0187	0.0367	0.0543	0.0716	0.0888
0.1059	0.1230	0.1400	0.1570	0.1740
0.1910	0.2080	0.2251	0.2421	0.2592
0.2763	0.2935	0.3106	0.3278	0.3450
0.3622	0.3795	0.3967	0.4140	0.4313
0.4486	0.4660	0.4833	0.5007	0.5241
0.5500	0.5758	0.6013	0.6266	0.6517
0.6766	0.7013	0.7257	0.7498	0.7737
0.7974	0.8209	0.8441	0.8670	0.8898
0.9123	0.9345	0.9566	0.9784	1.0000

Width:

0.1394	0.1623	0.1853	0.2082	0.2311
0.2541	0.2770	0.2999	0.3229	0.3458
0.3687	0.3917	0.4146	0.4375	0.4605
0.4834	0.5063	0.5293	0.5522	0.5751
0.5981	0.6210	0.6439	0.6669	0.6898
0.7127	0.7357	0.7586	0.7815	0.7956
0.8159	0.8161	0.8263	0.8365	0.8467
0.8569	0.8672	0.8774	0.8876	0.8978
0.9080	0.9183	0.9285	0.9387	0.9489
0.9591	0.9693	0.9796	0.9898	1.0000

Transect ROW_14m

Area:

0.0004	0.0017	0.0038	0.0067	0.0104
0.0150	0.0204	0.0267	0.0338	0.0417
0.0504	0.0600	0.0704	0.0817	0.0938
0.1067	0.1204	0.1350	0.1504	0.1667
0.1838	0.2017	0.2204	0.2400	0.2605
0.2817	0.3038	0.3267	0.3502	0.3738
0.3973	0.4209	0.4446	0.4692	0.4952
0.5225	0.5510	0.5808	0.6118	0.6439
0.6767	0.7100	0.7440	0.7787	0.8140
0.8499	0.8865	0.9237	0.9615	1.0000

Hrad:

0.0169	0.0338	0.0507	0.0677	0.0846
0.1015	0.1184	0.1353	0.1522	0.1692
0.1861	0.2030	0.2199	0.2368	0.2537
0.2707	0.2876	0.3045	0.3214	0.3383
0.3552	0.3720	0.3891	0.4060	0.4229
0.4398	0.4567	0.4736	0.5027	0.5359
0.5691	0.6022	0.6353	0.6667	0.6957
0.7226	0.7474	0.7704	0.7918	0.8123
0.8326	0.8526	0.8721	0.8914	0.9103
0.9289	0.9471	0.9651	0.9827	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6200	0.6529	0.6857
0.7186	0.7514	0.7843	0.8171	0.8357
0.8521	0.8686	0.8850	0.9014	0.9179
0.9343	0.9507	0.9671	0.9836	1.0000

Transect ROW_14m_Mountable

Area:

0.0003	0.0012	0.0028	0.0049	0.0077
0.0111	0.0151	0.0197	0.0249	0.0307
0.0372	0.0442	0.0519	0.0602	0.0691
0.0787	0.0888	0.0996	0.1109	0.1229
0.1355	0.1487	0.1625	0.1770	0.1923
0.2092	0.2277	0.2477	0.2693	0.2924
0.3170	0.3433	0.3711	0.4004	0.4310
0.4626	0.4954	0.5293	0.5642	0.6002
0.6373	0.6755	0.7144	0.7538	0.7936
0.8340	0.8748	0.9160	0.9578	1.0000

Hrad:

0.0222	0.0445	0.0667	0.0889	0.1111
0.1334	0.1556	0.1778	0.2001	0.2223
0.2445	0.2667	0.2890	0.3112	0.3334
0.3556	0.3779	0.4001	0.4223	0.4446
0.4668	0.4890	0.5112	0.5335	0.5550
0.5733	0.5891	0.6029	0.6151	0.6263
0.6367	0.6465	0.6559	0.6653	0.6759
0.6872	0.6992	0.7116	0.7245	0.7378
0.7514	0.7663	0.7966	0.8266	0.8563
0.8856	0.9147	0.9434	0.9719	1.0000

Width:

0.0145	0.0290	0.0434	0.0579	0.0724
0.0869	0.1013	0.1158	0.1303	0.1448
0.1593	0.1737	0.1882	0.2027	0.2172
0.2316	0.2461	0.2606	0.2751	0.2896
0.3040	0.3185	0.3330	0.3475	0.3798
0.4164	0.4530	0.4897	0.5263	0.5629
0.5995	0.6362	0.6728	0.7080	0.7335
0.7591	0.7846	0.8102	0.8357	0.8613
0.8868	0.9114	0.9225	0.9336	0.9446
0.9557	0.9668	0.9779	0.9889	1.0000

Transect ROW_14m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0153	0.0209	0.0273	0.0345	0.0426
0.0516	0.0614	0.0721	0.0836	0.0959
0.1091	0.1232	0.1381	0.1539	0.1705
0.1880	0.2064	0.2255	0.2456	0.2665
0.2882	0.3108	0.3343	0.3583	0.3824
0.4065	0.4306	0.4548	0.4797	0.5055
0.5322	0.5598	0.5883	0.6176	0.6479
0.6791	0.7112	0.7441	0.7780	0.8127
0.8484	0.8850	0.9224	0.9608	1.0000

Hrad:

0.0166	0.0332	0.0498	0.0664	0.0830
0.0997	0.1163	0.1329	0.1495	0.1661
0.1827	0.1993	0.2159	0.2325	0.2491
0.2657	0.2823	0.2990	0.3156	0.3322
0.3488	0.3654	0.3820	0.3986	0.4152
0.4318	0.4484	0.4650	0.4935	0.5262
0.5588	0.5913	0.6238	0.6553	0.6853
0.7137	0.7407	0.7664	0.7909	0.8143
0.8366	0.8579	0.8783	0.8979	0.9166
0.9346	0.9519	0.9685	0.9845	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6160	0.6386	0.6612
0.6838	0.7063	0.7289	0.7515	0.7741
0.7967	0.8193	0.8419	0.8645	0.8871
0.9096	0.9322	0.9548	0.9774	1.0000

Transect ROW_14m-MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0407	0.0484	0.0568	0.0659	0.0757
0.0861	0.0972	0.1089	0.1214	0.1345
0.1483	0.1631	0.1791	0.1963	0.2146
0.2342	0.2549	0.2768	0.2999	0.3242

0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274
0.6618 0.6967 0.7326 0.7693 0.8064
0.8441 0.8823 0.9210 0.9603 1.0000

Hrad:
0.0198 0.0396 0.0594 0.0792 0.0990
0.1188 0.1386 0.1584 0.1782 0.1980
0.2178 0.2376 0.2574 0.2772 0.2971
0.3169 0.3367 0.3565 0.3763 0.3961
0.4159 0.4357 0.4520 0.4681 0.4834
0.4979 0.5119 0.5256 0.5389 0.5521
0.5650 0.5779 0.5907 0.6035 0.6162
0.6289 0.6560 0.6844 0.7123 0.7397
0.7667 0.7933 0.8190 0.8459 0.8726
0.8988 0.9247 0.9501 0.9752 1.0000

Width:
0.0168 0.0336 0.0504 0.0673 0.0841
0.1009 0.1177 0.1345 0.1513 0.1681
0.1849 0.2018 0.2186 0.2354 0.2522
0.2690 0.2858 0.3026 0.3195 0.3363
0.3552 0.3849 0.4146 0.4442 0.4739
0.5036 0.5332 0.5629 0.5926 0.6223
0.6519 0.6816 0.7113 0.7409 0.7706
0.8003 0.8150 0.8279 0.8407 0.8536
0.8664 0.8816 0.9093 0.9229 0.9357
0.9486 0.9614 0.9743 0.9871 1.0000

Transect ROW_16.5m_Mountable
Area:
0.0003 0.0012 0.0027 0.0048 0.0074
0.0107 0.0145 0.0190 0.0240 0.0297
0.0359 0.0428 0.0502 0.0582 0.0668
0.0760 0.0858 0.0962 0.1072 0.1188
0.1309 0.1437 0.1571 0.1710 0.1856
0.2012 0.2183 0.2369 0.2570 0.2786
0.3017 0.3263 0.3524 0.3800 0.4091
0.4397 0.4719 0.5055 0.5406 0.5772
0.6153 0.6544 0.6944 0.7354 0.7772
0.8199 0.8636 0.9082 0.9536 1.0000

Hrad:
0.0233 0.0465 0.0698 0.0931 0.1163
0.1396 0.1628 0.1861 0.2094 0.2326
0.2559 0.2792 0.3024 0.3257 0.3489
0.3722 0.3955 0.4187 0.4420 0.4653
0.4885 0.5118 0.5350 0.5583 0.5816
0.6036 0.6224 0.6386 0.6529 0.6657
0.6773 0.6882 0.6985 0.7084 0.7180
0.7275 0.7370 0.7464 0.7559 0.7655
0.7817 0.8084 0.8343 0.8597 0.8844
0.9085 0.9321 0.9552 0.9779 1.0000

Width:
0.0127 0.0254 0.0380 0.0507 0.0634
0.0761 0.0888 0.1014 0.1141 0.1268
0.1395 0.1522 0.1648 0.1775 0.1902
0.2029 0.2156 0.2283 0.2409 0.2536
0.2663 0.2790 0.2917 0.3043 0.3170
0.3491 0.3812 0.4132 0.4453 0.4774
0.5095 0.5415 0.5736 0.6057 0.6378
0.6698 0.7019 0.7340 0.7661 0.7981
0.8255 0.8448 0.8642 0.8836 0.9030
0.9224 0.9418 0.9612 0.9806 1.0000

Transect ROW_16.5m_PH3
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0154 0.0210 0.0275 0.0347 0.0429
0.0519 0.0618 0.0725 0.0841 0.0965
0.1098 0.1240 0.1390 0.1548 0.1716
0.1892 0.2076 0.2269 0.2471 0.2677
0.2884 0.3090 0.3297 0.3510 0.3731
0.3962 0.4201 0.4449 0.4705 0.4971
0.5245 0.5527 0.5819 0.6119 0.6428
0.6746 0.7073 0.7408 0.7752 0.8105
0.8466 0.8837 0.9216 0.9603 1.0000

Hrad:
0.0173 0.0347 0.0520 0.0694 0.0867
0.1041 0.1214 0.1388 0.1561 0.1735
0.1908 0.2082 0.2255 0.2429 0.2602
0.2776 0.2949 0.3123 0.3296 0.3470
0.3643 0.3817 0.3990 0.4164 0.4493
0.4834 0.5173 0.5513 0.5844 0.6155
0.6449 0.6727 0.6990 0.7239 0.7475
0.7699 0.7913 0.8116 0.8310 0.8496
0.8673 0.8843 0.9007 0.9164 0.9316
0.9462 0.9603 0.9739 0.9872 1.0000

Width:
0.0214 0.0428 0.0642 0.0856 0.1070
0.1284 0.1498 0.1712 0.1926 0.2140
0.2354 0.2568 0.2782 0.2996 0.3210
0.3424 0.3638 0.3852 0.4066 0.4280
0.4494 0.4708 0.4922 0.5136 0.5152
0.5152 0.5152 0.5200 0.5418 0.5636
0.5855 0.6073 0.6291 0.6509 0.6727
0.6945 0.7164 0.7382 0.7600 0.7818
0.8036 0.8255 0.8473 0.8691 0.8909
0.9127 0.9345 0.9564 0.9782 1.0000

Transect ROW_18m
Area:
0.0004 0.0016 0.0036 0.0064 0.0100
0.0144 0.0196 0.0255 0.0323 0.0399
0.0483 0.0575 0.0675 0.0782 0.0898
0.1022 0.1154 0.1293 0.1441 0.1597
0.1760 0.1932 0.2112 0.2299 0.2495
0.2698 0.2906 0.3114 0.3321 0.3529
0.3742 0.3967 0.4204 0.4452 0.4712
0.4983 0.5266 0.5560 0.5867 0.6184
0.6514 0.6855 0.7207 0.7571 0.7947
0.8335 0.8734 0.9144 0.9566 1.0000

Hrad:
0.0183 0.0366 0.0549 0.0732 0.0915
0.1098 0.1281 0.1464 0.1647 0.1829
0.2012 0.2195 0.2378 0.2561 0.2744
0.2927 0.3110 0.3293 0.3476 0.3659
0.3842 0.4025 0.4208 0.4391 0.4574
0.4757 0.5117 0.5476 0.5834 0.6192
0.6542 0.6864 0.7162 0.7437 0.7692
0.7927 0.8145 0.8348 0.8537 0.8713
0.8877 0.9031 0.9176 0.9313 0.9442
0.9565 0.9681 0.9792 0.9898 1.0000

Width:
0.0182 0.0363 0.0545 0.0726 0.0908
0.1090 0.1271 0.1453 0.1635 0.1816
0.1998 0.2179 0.2361 0.2543 0.2724
0.2906 0.3088 0.3269 0.3451 0.3632
0.3814 0.3996 0.4177 0.4359 0.4541
0.4722 0.4722 0.4722 0.4722 0.4722
0.4986 0.5250 0.5514 0.5778 0.6042
0.6306 0.6569 0.6833 0.7097 0.7361
0.7625 0.7889 0.8153 0.8417 0.8681
0.8944 0.9208 0.9472 0.9736 1.0000

Transect ROW_18m_MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:
0.0198 0.0396 0.0594 0.0793 0.0991
0.1189 0.1387 0.1585 0.1783 0.1982
0.2180 0.2378 0.2576 0.2774 0.2972
0.3166 0.3340 0.3498 0.3646 0.3786
0.3921 0.4053 0.4183 0.4311 0.4439
0.4566 0.4770 0.5054 0.5332 0.5603
0.5869 0.6122 0.6360 0.6586 0.6807
0.7040 0.7271 0.7499 0.7723 0.7944
0.8163 0.8378 0.8591 0.8800 0.9007
0.9211 0.9412 0.9611 0.9807 1.0000

Width:
0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_MB_2
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:
0.0198 0.0395 0.0593 0.0791 0.0989
0.1186 0.1384 0.1582 0.1780 0.1977
0.2175 0.2373 0.2571 0.2768 0.2966
0.3160 0.3333 0.3491 0.3638 0.3778
0.3913 0.4045 0.4174 0.4302 0.4430
0.4557 0.4760 0.5044 0.5321 0.5592
0.5857 0.6109 0.6347 0.6572 0.6793
0.7027 0.7258 0.7486 0.7711 0.7933
0.8152 0.8368 0.8581 0.8792 0.9000
0.9205 0.9408 0.9608 0.9805 1.0000

Width:
0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_Mountable
Area:
0.0003 0.0011 0.0026 0.0046 0.0072
0.0103 0.0140 0.0183 0.0232 0.0286
0.0346 0.0412 0.0484 0.0561 0.0644
0.0733 0.0827 0.0928 0.1034 0.1145
0.1263 0.1386 0.1515 0.1650 0.1799
0.1964 0.2143 0.2337 0.2546 0.2770
0.3009 0.3263 0.3532 0.3816 0.4115
0.4429 0.4758 0.5102 0.5459 0.5826
0.6202 0.6587 0.6981 0.7385 0.7797
0.8219 0.8651 0.9091 0.9541 1.0000

Hrad:
0.0235 0.0471 0.0706 0.0942 0.1177
0.1413 0.1648 0.1884 0.2119 0.2355
0.2590 0.2826 0.3061 0.3297 0.3532
0.3768 0.4003 0.4238 0.4474 0.4709
0.4945 0.5180 0.5416 0.5650 0.5852
0.6022 0.6168 0.6296 0.6410 0.6515
0.6613 0.6707 0.6799 0.6889 0.6979
0.7069 0.7161 0.7253 0.7478 0.7737
0.7989 0.8234 0.8474 0.8707 0.8935
0.9157 0.9375 0.9588 0.9796 1.0000

Width:
0.0124 0.0247 0.0371 0.0494 0.0618
0.0741 0.0865 0.0988 0.1112 0.1235
0.1359 0.1482 0.1606 0.1729 0.1853
0.1976 0.2100 0.2223 0.2347 0.2470
0.2594 0.2717 0.2841 0.3058 0.3381
0.3714 0.4027 0.4349 0.4672 0.4995
0.5318 0.5641 0.5964 0.6287 0.6610
0.6933 0.7255 0.7578 0.7807 0.8006
0.8206 0.8405 0.8604 0.8804 0.9003
0.9202 0.9402 0.9601 0.9801 1.0000

Transect ROW_18m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0154 0.0209 0.0273 0.0346 0.0427
0.0516 0.0614 0.0721 0.0836 0.0960
0.1092 0.1233 0.1382 0.1540 0.1707
0.1882 0.2065 0.2256 0.2447 0.2638
0.2830 0.3026 0.3232 0.3447 0.3670
0.3903 0.4144 0.4394 0.4653 0.4921
0.5197 0.5483 0.5777 0.6080 0.6392
0.6713 0.7043 0.7382 0.7729 0.8085
0.8451 0.8825 0.9208 0.9599 1.0000

Hrad:
0.0179 0.0359 0.0538 0.0717 0.0896
0.1076 0.1255 0.1434 0.1613 0.1793
0.1972 0.2151 0.2330 0.2510 0.2689
0.2868 0.3047 0.3227 0.3406 0.3585
0.3764 0.3944 0.4225 0.4577 0.4928
0.5279 0.5621 0.5942 0.6243 0.6525
0.6791 0.7042 0.7279 0.7504 0.7716
0.7918 0.8110 0.8292 0.8467 0.8634
0.8794 0.8948 0.9095 0.9238 0.9375
0.9508 0.9636 0.9761 0.9882 1.0000

Width:
0.0211 0.0421 0.0632 0.0843 0.1053
0.1264 0.1475 0.1685 0.1896 0.2107
0.2318 0.2528 0.2739 0.2950 0.3160
0.3371 0.3582 0.3792 0.4003 0.4214
0.4424 0.4635 0.4722 0.4722 0.4722
0.4752 0.4971 0.5190 0.5408 0.5627
0.5846 0.6064 0.6283 0.6502 0.6720
0.6939 0.7158 0.7376 0.7595 0.7813
0.8032 0.8251 0.8469 0.8688 0.8907
0.9125 0.9344 0.9563 0.9781 1.0000

Transect ROW_20m
Area:
0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0193 0.0253 0.0320 0.0395
0.0478 0.0568 0.0667 0.0774 0.0888
0.1011 0.1141 0.1279 0.1425 0.1579
0.1741 0.1911 0.2088 0.2274 0.2464
0.2654 0.2844 0.3034 0.3226 0.3431
0.3646 0.3874 0.4114 0.4365 0.4629
0.4904 0.5191 0.5490 0.5801 0.6123
0.6488 0.6804 0.7162 0.7532 0.7914
0.8307 0.8713 0.9130 0.9559 1.0000

Hrad:
0.0190 0.0380 0.0570 0.0760 0.0950
0.1141 0.1331 0.1521 0.1711 0.1901
0.2091 0.2281 0.2471 0.2661 0.2851
0.3041 0.3231 0.3422 0.3612 0.3802
0.3992 0.4182 0.4372 0.4562 0.4926
0.5299 0.5672 0.6043 0.6411 0.6750
0.7060 0.7344 0.7603 0.7841 0.8059
0.8259 0.8444 0.8615 0.8773 0.8920
0.9057 0.9186 0.9307 0.9421 0.9529
0.9632 0.9730 0.9823 0.9913 1.0000

Width:
0.0177 0.0353 0.0530 0.0707 0.0883
0.1060 0.1237 0.1413 0.1590 0.1767

0.1943 0.2120 0.2297 0.2473 0.2650
0.2827 0.3003 0.3180 0.3357 0.3533
0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4591 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.6927 0.7164 0.7400 0.7636
0.7873 0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3581 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4385 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8713 0.8880 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4113 0.4493 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1968 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9316 0.9395 0.8868 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6500 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2133 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4072 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8745 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1863 0.2081 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4929 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017
0.3227 0.3453 0.3685 0.3919 0.4155
0.4393 0.4633 0.4875 0.5118 0.5364

```
           0.5615    0.5871    0.6133    0.6408    0.6690
           0.6977    0.7269    0.7568    0.7876    0.8192
           0.8516    0.8851    0.9205    0.9583    1.0000
Hrad:
           0.0356    0.0671    0.0952    0.1219    0.1526
           0.1825    0.2111    0.2388    0.2457    0.2281
           0.2626    0.2959    0.3290    0.3614    0.3872
           0.4105    0.4302    0.4402    0.4405    0.4805
           0.5198    0.5573    0.5905    0.6232    0.6553
           0.6869    0.6742    0.7110    0.7474    0.7833
           0.8187    0.8537    0.8883    0.9224    0.9509
           0.9733    0.9956    1.0049    1.0036    1.0287
           1.0536    1.0784    1.0896    1.1008    1.1169
           1.1330    1.1274    1.1025    1.0707    1.0000
Width:
           0.0541    0.0732    0.0923    0.1110    0.1246
           0.1374    0.1502    0.1630    0.1916    0.2527
           0.2652    0.2777    0.2895    0.3012    0.3179
           0.3368    0.3586    0.3902    0.4339    0.4377
           0.4416    0.4466    0.4547    0.4628    0.4709
           0.4791    0.5224    0.5268    0.5312    0.5356
           0.5400    0.5444    0.5488    0.5532    0.5611
           0.5729    0.5847    0.6049    0.6332    0.6440
           0.6548    0.6656    0.6857    0.7062    0.7236
           0.7412    0.7753    0.8268    0.8894    1.0000

Transect Upstream5
Area:
           0.0012    0.0039    0.0075    0.0122    0.0185
           0.0256    0.0332    0.0413    0.0500    0.0592
           0.0689    0.0792    0.0900    0.1012    0.1130
           0.1251    0.1375    0.1502    0.1632    0.1765
           0.1902    0.2041    0.2184    0.2330    0.2480
           0.2635    0.2798    0.2968    0.3145    0.3331
           0.3525    0.3727    0.3942    0.4178    0.4431
           0.4698    0.4988    0.5309    0.5639    0.5984
           0.6349    0.6722    0.7101    0.7485    0.7872
           0.8265    0.8666    0.9084    0.9530    1.0000
Hrad:
           0.0281    0.0626    0.0927    0.1114    0.1369
           0.1752    0.2115    0.2463    0.2799    0.3124
           0.3424    0.3749    0.4068    0.4379    0.4694
           0.5056    0.5411    0.5759    0.6102    0.6439
           0.6771    0.7099    0.7421    0.7699    0.7956
           0.8104    0.8232    0.8370    0.8495    0.8616
           0.8746    0.8886    0.8484    0.8428    0.8418
           0.8363    0.8155    0.8068    0.8309    0.8203
           0.8497    0.8801    0.9176    0.9547    0.9913
           1.0230    1.0475    1.0267    1.0168    1.0000
Width:
           0.0449    0.0640    0.0831    0.1124    0.1386
           0.1495    0.1603    0.1712    0.1820    0.1929
           0.2048    0.2146    0.2243    0.2341    0.2433
           0.2496    0.2559    0.2622    0.2684    0.2747
           0.2810    0.2873    0.2936    0.3016    0.3105
           0.3241    0.3390    0.3539    0.3698    0.3865
           0.4032    0.4199    0.4663    0.4984    0.5298
           0.5663    0.6178    0.6645    0.6844    0.7354
           0.7522    0.7679    0.7768    0.7857    0.7946
           0.8074    0.8259    0.8838    0.9366    1.0000

Transect Upstream6
Area:
           0.0020    0.0057    0.0101    0.0154    0.0216
           0.0285    0.0362    0.0446    0.0534    0.0628
           0.0726    0.0829    0.0939    0.1054    0.1174
           0.1299    0.1429    0.1564    0.1705    0.1850
           0.2000    0.2153    0.2310    0.2472    0.2637
           0.2808    0.2986    0.3172    0.3364    0.3564
           0.3786    0.4016    0.4255    0.4503    0.4760
           0.5026    0.5304    0.5593    0.5897    0.6214
           0.6541    0.6875    0.7215    0.7561    0.7915
           0.8280    0.8671    0.9077    0.9506    1.0000
Hrad:
           0.0333    0.0728    0.1080    0.1404    0.1714
           0.2022    0.2321    0.2687    0.3047    0.3396
           0.3717    0.4020    0.4318    0.4612    0.4948
           0.5246    0.5534    0.5820    0.6106    0.6442
           0.6773    0.7100    0.7423    0.7742    0.8057
           0.8224    0.8398    0.8578    0.8777    0.8995
           0.8582    0.8792    0.8979    0.9152    0.9365
           0.9490    0.9612    0.9727    0.9697    0.9916
           1.0145    1.0496    1.0816    1.1092    1.1367
           1.1540    1.1196    1.1309    1.0883    1.0000
Width:
           0.0616    0.0785    0.0947    0.1108    0.1267
           0.1418    0.1569    0.1666    0.1758    0.1850
           0.1952    0.2062    0.2171    0.2280    0.2365
           0.2466    0.2570    0.2674    0.2776    0.2853
           0.2930    0.3007    0.3084    0.3161    0.3238
           0.3379    0.3520    0.3661    0.3797    0.4163
           0.4379    0.4535    0.4707    0.4888    0.5050
           0.5264    0.5485    0.5718    0.6051    0.6237
           0.6417    0.6518    0.6637    0.6783    0.6930
           0.7329    0.7718    0.8002    0.8718    1.0000


***************
Analysis Options
***************
Flow Units ..... CMS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... NO
  Water Quality ..... NO
Infiltration Method ..... HORTON
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date ..... 01/01/2000 00:00:00
Ending Date ..... 01/02/2000 00:00:00
Antecedent Dry Days ..... 0.0
Report Time Step ..... 00:01:00
Wet Time Step ..... 00:01:00
Dry Time Step ..... 00:01:00
Routing Time Step ..... 1.00 sec
Variable Time Step ..... YES
Maximum Trials ..... 8
Number of Threads ..... 18
Head Tolerance ..... 0.001500 m


**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************   ----------    ----------
Total Precipitation .....         5.989        71.708
Evaporation Loss .....            0.000         0.000
Infiltration Loss .....           1.948        23.324
Surface Runoff .....              3.959        47.397
Final Storage .....               0.087         1.037
Continuity Error (%) .....        -0.070


**************************        Volume         Volume
Flow Routing Continuity        hectare-m       10^6 ltr
**************************   ----------    ----------
Dry Weather Inflow .....          0.000         0.000
Wet Weather Inflow .....          3.959        39.589
Groundwater Inflow .....          0.000         0.000
RDII Inflow .....                 0.000         0.000
External Inflow .....            0.035         0.346
External Outflow .....           3.100        31.001
Flooding Loss .....               0.000         0.000
Evaporation Loss .....            0.000         0.000
Exfiltration Loss .....           0.099         0.992
Initial Stored Volume ....        0.000         0.000
Final Stored Volume .....         0.795         7.954
Continuity Error (%) .....       -0.031


*************************
Highest Continuity Errors
*************************
Node J45 (21.45%)
Node J36 (5.65%)
Node J22 (3.62%)
Node J67 (2.59%)
Node 554_(C-STRM) (2.13%)


****************************
Time-Step Critical Elements
****************************
None


*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-83_(C-STRM) (15)
Link C-STRM-71_(C-STRM) (9)
Link OL22 (9)
Link OL3 (9)
Link OL15 (7)


*********************************
Most Frequent Nonconverging Nodes
*********************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
     1.000 -  0.871 sec     :    99.77 %
     0.871 -  0.758 sec     :     0.05 %
     0.758 -  0.660 sec     :     0.04 %
     0.660 -  0.574 sec     :     0.03 %
     0.574 -  0.500 sec     :     0.11 %


*************************
Subcatchment Runoff Summary
*************************
```

Subcatchment	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm
A15_1	16.48	0.22	0.11	71.71 0.230	0.00	0.00	53.91	13.31	3.17
A15_2	15.49	0.33	0.15	71.71 0.216	0.00	0.00	54.91	13.31	2.19
A18	43.66	0.26	0.21	71.71 0.609	0.00	0.00	27.49	27.48	16.18
A19	34.52	0.38	0.24	71.71 0.481	0.00	0.00	36.87	15.68	18.84
A20	10.90	0.53	0.20	71.71 0.152	0.00	0.00	59.56	5.88	5.02
NULL3	63.25	0.36	0.27	71.71 0.882	0.00	0.00	7.25	58.53	4.73
S1	51.58	3.36	2.91	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S1_1	56.93	0.05	0.04	71.71 0.794	0.00	0.00	13.78	50.17	16.79
S1_2	56.90	0.08	0.07	71.71 0.794	0.00	0.00	13.81	50.18	16.76
S10_1	51.58	0.95	0.82	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S10_2	51.58	1.10	0.95	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S10_4	51.58	0.38	0.33	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S10_5	51.58	0.65	0.56	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S11	20.70	0.68	0.25	71.71 0.289	0.00	0.00	51.01	0.00	20.70
S12	56.87	0.25	0.21	71.71 0.793	0.00	0.00	13.84	50.18	16.73
S14_1	56.84	0.34	0.29	71.71 0.793	0.00	0.00	13.86	50.18	16.69
S14_3	56.73	0.60	0.50	71.71 0.791	0.00	0.00	13.95	50.16	16.60
S14_4	56.78	0.17	0.15	71.71 0.792	0.00	0.00	13.91	50.17	16.64
S14_5	56.75	0.96	0.80	71.71 0.791	0.00	0.00	13.94	50.17	16.61
S14_6	56.80	0.16	0.13	71.71 0.792	0.00	0.00	13.89	50.17	16.66
S14_7	56.78	0.68	0.57	71.71 0.792	0.00	0.00	13.91	50.17	16.65
S14_8	56.78	0.24	0.20	71.71 0.792	0.00	0.00	13.91	50.17	16.64
S15	51.58	0.84	0.73	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S16_1	70.12	0.33	0.18	71.71 0.978	0.00	0.00	0.00	70.12	0.00
S16_2	70.06	0.69	0.27	71.71 0.977	0.00	0.00	0.00	70.06	0.00
S17	11.43	0.72	0.14	71.71 0.159	0.00	0.00	60.23	2.34	11.43
S18_2	52.90	1.77	1.53	71.71 0.738	0.00	0.00	17.84	47.14	38.75
S18_3	52.90	0.88	0.75	71.71 0.738	0.00	0.00	17.84	47.14	38.75
S18_4	52.90	0.46	0.40	71.71 0.738	0.00	0.00	17.84	47.14	38.75
S18_5	52.90	0.97	0.83	71.71 0.738	0.00	0.00	17.84	47.14	38.75
S18_6	52.90	0.44	0.38	71.71 0.738	0.00	0.00	17.84	47.14	38.75
S19	56.79	0.55	0.46	71.71 0.792	0.00	0.00	13.90	50.17	16.65
S2	56.76	0.21	0.18	71.71 0.792	0.00	0.00	13.92	50.17	16.63
S2_1	52.90	1.66	1.43	71.71 0.738	0.00	0.00	17.84	47.14	38.75
S2_2	52.90	0.54	0.46	71.71 0.738	0.00	0.00	17.84	47.14	38.75
S20_1	56.84	0.26	0.22	71.71 0.793	0.00	0.00	13.86	50.18	16.70
S20_2	56.83	0.13	0.11	71.71 0.792	0.00	0.00	13.87	50.18	16.69
S3	51.58	1.09	0.95	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S32_1	56.88	0.24	0.20	71.71 0.793	0.00	0.00	13.83	50.18	16.74
S32_2	51.58	0.08	0.07	71.71 0.719	0.00	0.00	19.20	45.14	38.04
S36	69.99	1.27	0.40	71.71 0.976	0.00	0.00	0.00	69.99	0.00

S4			71.71	0.00	0.00	7.00	60.11	3.25
63.36	8.37	4.81	0.884					
S5			71.71	0.00	0.00	6.57	60.14	3.68
63.82	2.04	1.40	0.890					
S6			71.71	0.00	0.00	19.95	40.14	18.86
50.97	0.17	0.16	0.711					
S7			71.71	0.00	0.00	6.53	60.14	3.71
63.85	2.54	1.76	0.890					
S8			71.71	0.00	0.00	35.03	25.07	36.16
36.16	0.58	0.26	0.504					

****
Node Depth Summary
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Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.19	104.58	0 01:10	0.19
EXD_10	JUNCTION	0.05	0.41	99.06	0 01:20	0.41
EXD_11	JUNCTION	0.04	0.30	98.80	0 01:20	0.30
EXD_12	JUNCTION	0.05	0.43	98.74	0 01:18	0.43
EXD_13	JUNCTION	0.01	0.20	104.52	0 01:11	0.19
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.03	0.49	100.76	0 01:10	0.49
EXD_16	JUNCTION	0.02	0.20	100.40	0 01:12	0.20
EXD_17	JUNCTION	0.02	0.19	100.08	0 01:10	0.19
EXD_18	JUNCTION	0.02	0.22	99.62	0 01:20	0.22
EXD_19	JUNCTION	0.04	0.42	99.61	0 01:20	0.42
EXD_2	JUNCTION	0.02	0.30	103.76	0 01:13	0.29
EXD_20	JUNCTION	0.04	0.42	99.61	0 01:20	0.42
EXD_21	JUNCTION	0.03	0.31	99.49	0 01:20	0.31
EXD_22	JUNCTION	0.02	0.20	99.34	0 01:21	0.20
EXD_23	JUNCTION	0.04	0.31	99.06	0 01:25	0.31
EXD_24	JUNCTION	0.02	0.27	98.94	0 01:26	0.27
EXD_25	JUNCTION	0.04	0.41	98.93	0 01:26	0.41
EXD_26	JUNCTION	0.02	0.20	98.68	0 01:27	0.20
EXD_27	JUNCTION	0.05	0.36	98.52	0 01:20	0.36
EXD_3	JUNCTION	0.01	0.16	103.35	0 01:14	0.16
EXD_4	JUNCTION	0.01	0.16	102.80	0 01:15	0.16
EXD_5	JUNCTION	0.01	0.25	102.75	0 01:15	0.25
EXD_6	JUNCTION	0.01	0.15	102.47	0 01:16	0.15
EXD_7	JUNCTION	0.01	0.19	101.68	0 01:20	0.19
EXD_8	JUNCTION	0.06	0.76	101.24	0 01:20	0.76
EXD_9	JUNCTION	0.02	0.21	100.60	0 01:33	0.21
J1	JUNCTION	0.00	0.11	103.56	0 01:19	0.11
J13	JUNCTION	0.01	0.25	103.55	0 01:18	0.25
J17	JUNCTION	0.01	0.19	104.56	0 01:10	0.19
J19	JUNCTION	0.00	0.09	105.69	0 01:11	0.09
J2	JUNCTION	0.00	0.06	109.06	0 01:10	0.06
J20	JUNCTION	0.00	0.11	105.01	0 01:10	0.11
J21	JUNCTION	0.00	0.07	105.97	0 01:20	0.07
J22	JUNCTION	0.00	0.08	106.08	0 01:16	0.08
J23	JUNCTION	0.00	0.06	106.26	0 01:13	0.06
J27	JUNCTION	0.00	0.11	109.11	0 01:10	0.11
J28	JUNCTION	0.00	0.16	108.96	0 01:11	0.16
J3	JUNCTION	0.00	0.14	103.84	0 01:12	0.14
J31	JUNCTION	0.00	0.17	106.17	0 01:14	0.17
J35	JUNCTION	0.00	0.17	104.87	0 01:13	0.17
J36	JUNCTION	0.00	0.08	105.01	0 01:15	0.08
J37	JUNCTION	0.00	0.16	104.81	0 01:16	0.16
J38	JUNCTION	0.00	0.21	104.81	0 01:16	0.20
J39	JUNCTION	0.00	0.21	104.66	0 01:17	0.21
J4	JUNCTION	0.00	0.17	103.77	0 01:12	0.17
J40	JUNCTION	0.01	0.30	103.50	0 01:18	0.30
J42	JUNCTION	0.00	0.17	104.57	0 01:17	0.17
J43	JUNCTION	0.00	0.14	104.64	0 01:15	0.14
J45	JUNCTION	0.00	0.05	104.65	0 01:17	0.05
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.13	105.88	0 01:14	0.13
J49	JUNCTION	0.00	0.15	105.45	0 01:15	0.15
J5	JUNCTION	0.00	0.21	103.71	0 01:12	0.21
J50	JUNCTION	0.00	0.12	106.37	0 01:15	0.12
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.04	108.51	0 01:11	0.04
J57	JUNCTION	0.00	0.11	108.51	0 01:11	0.11
J58	JUNCTION	0.00	0.12	108.12	0 01:11	0.12
J6	JUNCTION	0.00	0.24	103.64	0 01:13	0.23
J60	JUNCTION	0.00	0.09	107.09	0 01:10	0.09
J61	JUNCTION	0.00	0.13	106.63	0 01:12	0.13
J62	JUNCTION	0.00	0.17	105.87	0 01:15	0.17
J63	JUNCTION	0.00	0.08	105.28	0 01:12	0.08
J66	JUNCTION	0.00	0.12	107.87	0 01:12	0.12
J67	JUNCTION	0.00	0.10	107.60	0 01:14	0.10
J74	JUNCTION	0.42	0.99	99.44	0 01:30	0.99
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.03	0.32	98.32	0 01:20	0.32
ST4_108A_(P-Stm)	OUTFALL	0.21	1.41	99.42	0 01:30	1.41
500_(C-STRM)	STORAGE	0.32	0.63	101.00	0 01:22	0.63
502_(C-STRM)	STORAGE	0.11	1.75	102.32	0 01:27	1.75
503_(C-STRM)	STORAGE	0.10	1.87	102.48	0 01:27	1.86
504_(C-STRM)	STORAGE	0.34	1.30	105.86	0 01:27	1.29
505_(C-STRM)	STORAGE	0.34	1.58	105.06	0 01:26	1.58
506_(C-STRM)	STORAGE	0.34	1.74	105.57	0 01:26	1.72
507_(C-STRM)	STORAGE	0.34	1.75	105.91	0 01:26	1.74
508_(C-STRM)	STORAGE	0.34	1.85	106.24	0 01:27	1.85
509_(C-STRM)	STORAGE	0.34	1.96	106.58	0 01:27	1.95
510_(C-STRM)	STORAGE	0.34	1.96	106.83	0 01:27	1.96
511_(C-STRM)	STORAGE	0.34	1.97	106.91	0 01:27	1.97
512_(C-STRM)	STORAGE	0.34	2.05	107.19	0 01:26	2.05
513_(C-STRM)	STORAGE	0.34	2.03	107.30	0 01:26	2.01
514_(C-STRM)	STORAGE	0.31	1.70	107.31	0 01:27	1.70
515_(C-STRM)	STORAGE	0.30	1.44	107.32	0 01:27	1.43
516_(C-STRM)	STORAGE	0.34	2.03	107.51	0 01:26	2.02
517_(C-STRM)	STORAGE	0.35	2.10	107.74	0 01:25	2.10
518_(C-STRM)	STORAGE	0.36	2.35	108.22	0 01:22	2.33
519_(C-STRM)	STORAGE	0.34	2.13	108.23	0 01:21	2.13
520_(C-STRM)	STORAGE	0.33	1.99	108.36	0 01:21	1.98
522_(C-STRM)	STORAGE	0.31	0.65	104.95	0 01:16	0.65
525_(C-STRM)	STORAGE	0.11	1.76	102.34	0 01:28	1.76
528_(C-STRM)	STORAGE	0.09	1.90	102.60	0 01:29	1.90
532_(C-STRM)	STORAGE	0.08	1.95	102.75	0 01:29	1.95
536_(C-STRM)	STORAGE	0.08	1.94	102.89	0 01:30	1.94
540_(C-STRM)	STORAGE	0.37	2.19	103.64	0 01:30	2.19
541_(C-STRM)	STORAGE	0.36	2.17	103.08	0 01:30	2.17
551_(C-STRM)	STORAGE	0.35	1.72	102.39	0 01:28	1.72
552_(C-STRM)	STORAGE	0.34	1.70	102.46	0 01:28	1.70
553_(C-STRM)	STORAGE	0.34	1.58	102.54	0 01:29	1.58
554_(C-STRM)	STORAGE	0.32	1.47	102.54	0 01:29	1.46
555_(C-STRM)	STORAGE	0.31	1.27	102.54	0 01:29	1.27
556_(C-STRM)	STORAGE	0.30	1.15	102.54	0 01:29	1.15
601_(C-STRM)	STORAGE	0.15	1.26	101.69	0 01:34	1.26
602_(C-STRM)	STORAGE	0.15	1.80	102.28	0 01:34	1.80
603_(C-STRM)	STORAGE	0.14	1.90	102.45	0 01:34	1.90
604_(C-STRM)	STORAGE	0.14	2.21	102.84	0 01:34	2.21
605_(C-STRM)	STORAGE	0.34	1.58	102.96	0 01:33	1.58
619_(C-STRM)	STORAGE	0.14	2.89	104.01	0 01:33	2.89
622_(C-STRM)	STORAGE	0.15	3.13	104.37	0 01:33	3.13
626_(C-STRM)	STORAGE	0.31	1.19	105.19	0 01:35	1.19
627_(C-STRM)	STORAGE	0.33	1.82	105.01	0 01:34	1.82
629_(C-STRM)	STORAGE	0.13	2.83	104.54	0 01:32	2.83
630_(C-STRM)	STORAGE	0.13	2.88	104.72	0 01:33	2.88
630A_(C-STRM)	STORAGE	0.13	2.89	104.77	0 01:33	2.89
633_(C-STRM)	STORAGE	0.00	0.17	105.47	0 01:11	0.17
634_(C-STRM)	STORAGE	0.36	2.64	104.53	0 01:32	2.64
637_(C-STRM)	STORAGE	0.00	0.20	105.55	0 01:13	0.19
643_(C-STRM)	STORAGE	0.36	2.63	104.69	0 01:32	2.63
644_(C-STRM)	STORAGE	0.33	2.21	104.74	0 01:32	2.21
645_(C-STRM)	STORAGE	0.09	2.56	104.86	0 01:31	2.56
646_(C-STRM)	STORAGE	0.09	2.55	104.98	0 01:30	2.54
647_(C-STRM)	STORAGE	0.08	2.50	105.07	0 01:30	2.50
650_(C-STRM)	STORAGE	0.13	2.59	103.58	0 01:33	2.59
651_(C-STRM)	STORAGE	0.13	2.46	103.35	0 01:33	2.46
652_(C-STRM)	STORAGE	0.14	2.38	103.25	0 01:33	2.38
Filter_Bed	STORAGE	0.34	0.95	101.05	0 01:19	0.95
Industrial_NORTH	STORAGE	0.00	0.22	105.42	0 01:19	0.22
Industrial_South	STORAGE	0.01	0.30	105.30	0 01:19	0.30
MTD_(C-STRM)	STORAGE	0.20	1.63	101.99	0 01:27	1.63
OVERFLOW_(C-STRM)	STORAGE	0.31	1.04	101.21	0 01:22	1.04
PARK	STORAGE	0.00	0.10	105.46	0 01:30	0.10
POND_(C-STRM)	STORAGE	1.83	2.35	100.80	0 03:10	2.35
S_504-503	STORAGE	0.00	0.13	105.88	0 01:14	0.13
S_525-MTD	STORAGE	0.00	0.17	103.62	0 01:12	0.17
S_528-525	STORAGE	0.00	0.18	103.68	0 01:12	0.18
S_532-528	STORAGE	0.00	0.16	103.81	0 01:11	0.16
S_536-532	STORAGE	0.00	0.24	103.94	0 01:11	0.24
S_540-536	STORAGE	0.00	0.21	104.06	0 01:10	0.21
S_545-541	STORAGE	0.00	0.20	104.10	0 01:13	0.20
S_607-605	STORAGE	0.00	0.22	108.12	0 01:15	0.22
S_620-619	STORAGE	0.00	0.23	107.13	0 01:11	0.23
S_622-619	STORAGE	0.00	0.17	106.17	0 01:14	0.17
S_623-622	STORAGE	0.00	0.24	106.74	0 01:12	0.24
S_627-630	STORAGE	0.00	0.15	106.85	0 01:11	0.15
S_652-604	STORAGE	0.00	0.18	106.03	0 01:13	0.18
Woodlot_North	STORAGE	0.01	0.15	106.90	0 01:42	0.15

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.202	0 01:10	0	0.248	-0.043
EXD_10	JUNCTION	0.582	0.773	0 01:10	1.6	3.47	-0.101
EXD_11	JUNCTION	0.000	0.751	0 01:20	0	3.47	0.008
EXD_12	JUNCTION	0.152	0.836	0 01:18	0.333	3.8	-0.001
EXD_13	JUNCTION	0.000	0.197	0 01:10	0	0.248	-0.268
EXD_14	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.204	0.204	0 01:10	0.527	0.527	-0.002
EXD_16	JUNCTION	0.000	0.132	0 01:10	0	0.527	-0.073
EXD_17	JUNCTION	0.000	0.129	0 01:11	0	0.527	-0.124
EXD_18	JUNCTION	0.000	0.142	0 01:11	0	0.528	0.334
EXD_19	JUNCTION	0.000	0.123	0 01:13	0	0.546	-0.089
EXD_2	JUNCTION	0.000	0.190	0 01:11	0	0.248	0.325
EXD_20	JUNCTION	0.245	0.246	0 01:19	0.382	0.929	-0.008
EXD_21	JUNCTION	0.000	0.245	0 01:20	0	0.908	-0.043
EXD_22	JUNCTION	0.000	0.245	0 01:20	0	0.909	-0.172
EXD_23	JUNCTION	0.000	0.243	0 01:21	0	0.91	0.297
EXD_24	JUNCTION	0.000	0.238	0 01:25	0	0.916	0.147
EXD_25	JUNCTION	0.208	0.287	0 01:21	0.259	1.17	-0.067
EXD_26	JUNCTION	0.000	0.347	0 01:26	0	1.17	0.068
EXD_27	JUNCTION	0.273	1.166	0 01:20	0.357	5.32	-0.010
EXD_3	JUNCTION	0.000	0.168	0 01:13	0	0.248	0.151
EXD_4	JUNCTION	0.000	0.166	0 01:14	0	0.247	0.049
EXD_5	JUNCTION	0.000	0.165	0 01:15	0	0.247	0.004
EXD_6	JUNCTION	0.000	0.164	0 01:15	0	0.247	-0.676
EXD_7	JUNCTION	0.141	0.289	0 01:17	0.716	0.965	0.544
EXD_8	JUNCTION	0.381	0.525	0 01:18	0.909	1.87	-0.153
EXD_9	JUNCTION	0.000	0.375	0 01:30	0	1.87	0.236
J1	JUNCTION	0.000	0.164	0 01:16	0	0.0436	23.392
J13	JUNCTION	0.000	1.806	0 01:13	0	1.16	-0.130
J17	JUNCTION	0.000	0.201	0 01:10	0	0.248	-0.049
J19	JUNCTION	0.045	0.183	0 01:10	0.0534	0.153	0.123
J2	JUNCTION	0.208	0.208	0 01:10	0.248	0.248	-0.134
J20	JUNCTION	0.176	0.217	0 01:10	0.211	0.264	-1.147
J21	JUNCTION	0.066	0.081	0 01:17	0.0792	0.121	-0.004
J22	JUNCTION	0.000	0.083	0 01:13	0	0.0436	3.755
J23	JUNCTION	0.000	0.145	0 01:11	0	0.0632	1.166
J27	JUNCTION	0.288	0.288	0 01:10	0.343	0.343	-3.120
J28	JUNCTION	0.795	0.932	0 01:10	0.957	1.03	0.128
J3	JUNCTION	0.000	0.663	0 01:12	0	0.471	-0.002
J31	JUNCTION	0.000	1.048	0 01:12	0	0.679	-0.112
J35	JUNCTION	0.460	0.721	0 01:10	0.55	0.952	-0.917
J36	JUNCTION	0.000	0.133	0 01:12	0	0.108	5.989
J37	JUNCTION	0.000	0.497	0 01:14	0	0.431	0.423
J38	JUNCTION	0.113	1.530	0 01:15	0.135	1.36	-0.338
J39	JUNCTION	0.000	1.471	0 01:16	0	1.2	0.573
J4	JUNCTION	0.000	1.056	0 01:12	0	0.684	0.006
J40	JUNCTION	0.000	3.458	0 01:17	0	3.22	-0.018
J42	JUNCTION	0.215	2.437	0 01:17	0.257	2.37	-0.341
J43	JUNCTION	0.204	1.057	0 01:14	0.243	1.18	-0.291
J45	JUNCTION	0.000	0.029	0 01:12	0	0.0091	27.307
J46	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J47	JUNCTION	0.146	1.060	0 01:13	0.175	1.11	-0.022
J49	JUNCTION	0.000	1.063	0 01:15	0	0.801	-0.432
J5	JUNCTION	0.000	1.232	0 01:12	0	0.777	-0.005

J50	JUNCTION	0.202	0.791	0	01:14	0.242	0.981	0.377
J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.010	0	01:10	0	0.00216	21.544
J57	JUNCTION	0.499	0.730	0	01:10	0.602	0.78	0.667
J58	JUNCTION	0.132	0.404	0	01:10	0.158	0.388	- 0.586
J6	JUNCTION	0.000	1.522	0	01:12	0	0.95	- 0.002
J60	JUNCTION	0.566	0.702	0	01:10	0.678	0.919	- 1.102
J61	JUNCTION	0.000	0.548	0	01:11	0	0.345	- 0.462
J62	JUNCTION	0.000	0.988	0	01:14	0	0.679	0.600
J63	JUNCTION	0.000	0.138	0	01:11	0	0.109	0.835
J66	JUNCTION	0.000	0.333	0	01:11	0	0.247	0.011
J67	JUNCTION	0.000	0.327	0	01:12	0	0.247	2.655
J74	JUNCTION	0.000	0.350	0	03:10	0	25.5	0.037
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	0.000 ltr
OF2	OUTFALL	0.158	0.158	0	01:10	0.174	0.174	0.000
OF3	OUTFALL	0.000	1.161	0	01:20	0	5.33	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.350	0	03:10	0	25.5	0.000
500_(C-STRM)	STORAGE	0.000	0.259	0	01:22	0	0.638	- 0.309
502_(C-STRM)	STORAGE	0.000	1.354	0	01:27	0	4.18	0.054
503_(C-STRM)	STORAGE	0.000	1.031	0	01:27	0	3.2	0.002
504_(C-STRM)	STORAGE	0.000	0.948	0	01:26	0	2.95	- 0.119
505_(C-STRM)	STORAGE	0.000	0.870	0	01:26	0	2.7	0.052
506_(C-STRM)	STORAGE	0.000	0.790	0	01:26	0	2.44	0.163
507_(C-STRM)	STORAGE	0.000	0.583	0	01:27	0	1.81	- 0.264
508_(C-STRM)	STORAGE	0.000	0.573	0	01:27	0	1.81	- 0.000
509_(C-STRM)	STORAGE	0.000	0.567	0	01:27	0	1.82	- 0.010
510_(C-STRM)	STORAGE	0.000	0.572	0	01:26	0	1.82	0.021
511_(C-STRM)	STORAGE	0.000	0.577	0	01:26	0	1.82	0.042
512_(C-STRM)	STORAGE	0.000	0.527	0	01:26	0	1.67	- 0.013
513_(C-STRM)	STORAGE	0.000	0.589	0	01:07	0	1.73	0.306
514_(C-STRM)	STORAGE	0.000	0.072	0	01:09	0	0.0658	2.147
515_(C-STRM)	STORAGE	0.000	0.039	0	01:11	0	0.014	- 6.714
516_(C-STRM)	STORAGE	0.000	0.386	0	01:07	0	1.13	- 0.852
517_(C-STRM)	STORAGE	0.000	0.411	0	01:08	0	1.13	- 0.050
518_(C-STRM)	STORAGE	0.000	0.439	0	01:03	0	1.14	0.538
519_(C-STRM)	STORAGE	0.000	0.152	0	01:02	0	0.281	- 1.417
520_(C-STRM)	STORAGE	0.000	0.123	0	01:00	0	0.283	1.175
522_(C-STRM)	STORAGE	0.000	0.088	0	01:00	0	0.193	0.022
525_(C-STRM)	STORAGE	0.000	1.269	0	01:41	0	4.24	0.035
528_(C-STRM)	STORAGE	0.000	1.063	0	01:41	0	3.58	- 0.004
532_(C-STRM)	STORAGE	0.000	0.842	0	01:41	0	2.87	0.003
536_(C-STRM)	STORAGE	0.000	0.726	0	01:40	0	2.52	- 0.018
540_(C-STRM)	STORAGE	0.000	0.495	0	01:40	0	1.76	- 0.012
541_(C-STRM)	STORAGE	0.000	0.378	0	01:01	0	1.4	0.032
551_(C-STRM)	STORAGE	0.000	0.245	0	01:29	0	0.69	- 0.436
552_(C-STRM)	STORAGE	0.000	0.243	0	01:29	0	0.689	- 0.182
553_(C-STRM)	STORAGE	0.000	0.197	0	01:00	0	0.594	0.240
554_(C-STRM)	STORAGE	0.000	0.120	0	01:07	0	0.104	2.172
555_(C-STRM)	STORAGE	0.000	0.096	0	01:09	0	0.0482	0.749
556_(C-STRM)	STORAGE	0.000	0.050	0	01:10	0	0.0111	- 7.810
601_(C-STRM)	STORAGE	0.000	5.489	0	01:34	0	18.9	0.039
602_(C-STRM)	STORAGE	0.000	5.489	0	01:34	0	18.9	0.001
603_(C-STRM)	STORAGE	0.000	5.335	0	01:34	0	18.3	- 0.002
604_(C-STRM)	STORAGE	0.000	5.335	0	01:33	0	18.3	- 0.009
605_(C-STRM)	STORAGE	0.000	0.664	0	01:01	0	2.37	- 0.038
619_(C-STRM)	STORAGE	0.000	4.415	0	01:31	0	15.1	0.000
622_(C-STRM)	STORAGE	0.000	4.188	0	01:31	0	14.4	- 0.167
626_(C-STRM)	STORAGE	0.000	0.141	0	01:08	0	0.682	- 0.386
627_(C-STRM)	STORAGE	0.000	0.251	0	01:38	0	0.947	0.313
629_(C-STRM)	STORAGE	0.000	3.217	0	01:31	0	11.5	0.064
630_(C-STRM)	STORAGE	0.000	3.222	0	01:31	0	11.5	0.011
630A_(C-STRM)	STORAGE	0.000	2.988	0	01:30	0	10.6	0.051
633_(C-STRM)	STORAGE	0.462	0.462	0	01:10	0.536	0.536	0.000
634_(C-STRM)	STORAGE	0.000	0.579	0	01:39	0	1.64	- 0.197
637_(C-STRM)	STORAGE	1.431	1.431	0	01:10	1.66	1.66	- 0.000
643_(C-STRM)	STORAGE	0.000	0.446	0	01:35	0	1.31	0.784
644_(C-STRM)	STORAGE	0.000	0.144	0	01:06	0	0.145	- 1.619
645_(C-STRM)	STORAGE	0.000	0.794	0	01:39	0	2.32	0.140
646_(C-STRM)	STORAGE	0.000	0.653	0	01:39	0	2.25	- 0.028
647_(C-STRM)	STORAGE	0.000	0.543	0	01:01	0	2.08	0.048
650_(C-STRM)	STORAGE	0.000	4.411	0	01:32	0	15.1	- 0.002
651_(C-STRM)	STORAGE	0.000	4.409	0	01:32	0	15.1	- 0.001
652_(C-STRM)	STORAGE	0.000	4.672	0	01:32	0	16	0.010
Filter_Bed	STORAGE	0.000	5.604	0	01:18	0	11	0.028
Industrial_NORTH	STORAGE	4.812	4.812	0	01:10	8.37	8.37	- 0.068
Industrial_South	STORAGE	1.395	1.395	0	01:10	2.04	2.04	- 0.041
MTD_(C-STRM)	STORAGE	0.000	2.572	0	01:29	0	8.42	- 0.020
OVERFLOW_(C-STRM)	STORAGE	0.000	2.575	0	01:29	0	8.42	- 0.008
PARK	STORAGE	0.259	0.259	0	01:12	0.578	0.578	- 0.000
POND_(C-STRM)	STORAGE	2.166	11.866	0	01:19	2.89	33.4	- 0.016
S_504-503	STORAGE	0.071	0.071	0	01:10	0.0821	0.0821	- 0.008
S_525-MTD	STORAGE	0.730	0.730	0	01:10	0.844	0.844	- 0.008
S_528-525	STORAGE	0.754	0.754	0	01:10	0.876	0.876	- 0.008
S_532-528	STORAGE	0.382	0.382	0	01:10	0.444	0.444	- 0.008
S_536-532	STORAGE	0.834	0.834	0	01:10	0.969	0.969	- 0.008
S_540-536	STORAGE	0.399	0.399	0	01:10	0.463	0.463	- 0.008
S_545-541	STORAGE	1.526	1.526	0	01:10	1.77	1.77	- 0.008
S_607-605	STORAGE	2.906	2.906	0	01:10	3.36	3.36	0.000
S_620-619	STORAGE	0.822	0.822	0	01:10	0.951	0.951	0.000
S_622-619	STORAGE	0.563	0.563	0	01:10	0.651	0.651	0.000
S_623-622	STORAGE	0.950	0.950	0	01:10	1.1	1.1	0.000
S_627-630	STORAGE	0.328	0.328	0	01:10	0.38	0.38	0.000
S_652-604	STORAGE	0.946	0.946	0	01:10	1.09	1.09	- 0.008
Woodlot_North	STORAGE	0.251	0.251	0	01:20	0.682	0.682	0.000

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Node Surcharge Summary
****

No nodes were surcharged.

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Node Flooding Summary
****

No nodes were flooded.

****
Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	11.4	0.0	0.0	0.001	22.7	0 01:22	0.259
502_(C-STRM)	0.000	3.1	0.0	0.0	0.002	47.3	0 01:27	1.354
503_(C-STRM)	0.000	2.6	0.0	0.0	0.002	47.8	0 01:27	1.030
504_(C-STRM)	0.000	12.2	0.0	0.0	0.001	46.3	0 01:27	0.944
505_(C-STRM)	0.000	10.5	0.0	0.0	0.002	48.4	0 01:26	0.864
506_(C-STRM)	0.000	10.9	0.0	0.0	0.002	55.1	0 01:26	0.784
507_(C-STRM)	0.000	10.7	0.0	0.0	0.002	54.9	0 01:26	0.595
508_(C-STRM)	0.000	10.7	0.0	0.0	0.002	58.1	0 01:27	0.583
509_(C-STRM)	0.000	11.0	0.0	0.0	0.002	62.8	0 01:27	0.573
510_(C-STRM)	0.000	11.2	0.0	0.0	0.002	64.1	0 01:27	0.567
511_(C-STRM)	0.000	11.2	0.0	0.0	0.002	64.6	0 01:27	0.572
512_(C-STRM)	0.000	11.1	0.0	0.0	0.002	66.2	0 01:26	0.521
513_(C-STRM)	0.000	11.0	0.0	0.0	0.002	65.3	0 01:26	0.556
514_(C-STRM)	0.000	9.9	0.0	0.0	0.002	54.2	0 01:27	0.074
515_(C-STRM)	0.000	9.3	0.0	0.0	0.002	44.8	0 01:27	0.031
516_(C-STRM)	0.000	11.3	0.0	0.0	0.002	67.0	0 01:26	0.374
517_(C-STRM)	0.000	11.5	0.0	0.0	0.002	70.0	0 01:25	0.386
518_(C-STRM)	0.000	12.3	0.0	0.0	0.003	81.0	0 01:22	0.411
519_(C-STRM)	0.000	12.1	0.0	0.0	0.002	76.4	0 01:21	0.149
520_(C-STRM)	0.000	12.7	0.0	0.0	0.002	75.8	0 01:21	0.116
522_(C-STRM)	0.000	10.4	0.0	0.0	0.001	21.7	0 01:16	0.088
525_(C-STRM)	0.000	4.1	0.0	0.0	0.002	64.7	0 01:28	1.283
528_(C-STRM)	0.000	3.2	0.0	0.0	0.002	70.2	0 01:29	1.077
532_(C-STRM)	0.000	2.8	0.0	0.0	0.002	72.3	0 01:29	0.852
536_(C-STRM)	0.000	2.8	0.0	0.0	0.002	73.2	0 01:30	0.735
540_(C-STRM)	0.000	12.7	0.0	0.0	0.002	76.1	0 01:30	0.512
541_(C-STRM)	0.000	12.4	0.0	0.0	0.002	74.4	0 01:30	0.411
551_(C-STRM)	0.000	9.1	0.0	0.0	0.002	45.4	0 01:28	0.248
552_(C-STRM)	0.000	8.8	0.0	0.0	0.002	43.9	0 01:28	0.245
553_(C-STRM)	0.000	9.0	0.0	0.0	0.002	42.0	0 01:29	0.200
554_(C-STRM)	0.000	8.2	0.0	0.0	0.002	37.7	0 01:29	0.096
555_(C-STRM)	0.000	7.5	0.0	0.0	0.001	31.2	0 01:29	0.059
556_(C-STRM)	0.000	7.1	0.0	0.0	0.001	27.4	0 01:29	0.031
601_(C-STRM)	0.000	3.3	0.0	0.0	0.001	28.3	0 01:34	5.489
602_(C-STRM)	0.000	3.7	0.0	0.0	0.002	43.4	0 01:34	5.489
603_(C-STRM)	0.000	3.4	0.0	0.0	0.002	47.6	0 01:34	5.335
604_(C-STRM)	0.000	2.7	0.0	0.0	0.002	43.0	0 01:34	5.335

605_(C-STRM)	0.000	6.3	0.0	0.0	0.002	29.6	0	01:33
0.703								
619_(C-STRM)	0.000	2.6	0.0	0.0	0.003	53.5	0	01:33
4.411								
622_(C-STRM)	0.000	3.1	0.0	0.0	0.004	65.5	0	01:33
4.182								
626_(C-STRM)	0.000	9.7	0.0	0.0	0.001	37.3	0	01:35
0.180								
627_(C-STRM)	0.000	9.4	0.0	0.0	0.002	51.8	0	01:34
0.321								
629_(C-STRM)	0.000	3.0	0.0	0.0	0.003	64.3	0	01:32
3.212								
630_(C-STRM)	0.000	2.9	0.0	0.0	0.003	66.0	0	01:33
3.217								
630A_(C-STRM)	0.000	3.1	0.0	0.0	0.003	70.2	0	01:33
2.985								
633_(C-STRM)	0.003	0.8	0.0	12.0	0.119	33.6	0	01:11
0.386								
634_(C-STRM)	0.000	9.4	0.0	0.0	0.003	69.2	0	01:32
0.680								
637_(C-STRM)	0.008	0.7	0.0	11.9	0.429	39.0	0	01:13
0.812								
643_(C-STRM)	0.000	10.3	0.0	0.0	0.003	76.2	0	01:32
0.506								
644_(C-STRM)	0.000	10.4	0.0	0.0	0.002	69.7	0	01:32
0.085								
645_(C-STRM)	0.000	2.6	0.0	0.0	0.003	71.1	0	01:31
0.895								
646_(C-STRM)	0.000	2.6	0.0	0.0	0.003	76.3	0	01:30
0.785								
647_(C-STRM)	0.000	2.8	0.0	0.0	0.003	82.5	0	01:30
0.638								
650_(C-STRM)	0.000	2.6	0.0	0.0	0.003	50.1	0	01:33
4.409								
651_(C-STRM)	0.000	2.7	0.0	0.0	0.003	49.3	0	01:33
4.408								
652_(C-STRM)	0.000	2.8	0.0	0.0	0.003	47.8	0	01:33
4.671								
Filter_Bed	0.674	20.2	0.0	0.0	1.999	59.8	0	01:19
5.559								
Industrial_NORTH	0.017	0.7	0.0	0.0	1.078	43.1	0	01:19
2.455								
Industrial_South	0.009	1.2	0.0	0.0	0.451	60.2	0	01:19
0.529								
MTD_(C-STRM)	0.000	6.8	0.0	0.0	0.002	53.9	0	01:27
2.575								
OVERFLOW_(C-STRM)	0.000	10.9	0.0	0.0	0.001	36.9	0	01:22
2.577								
PARK	0.002	0.5	0.0	0.0	0.095	19.1	0	01:30
0.154								
POND_(C-STRM)	17.738	49.0	0.0	0.0	28.779	79.5	0	03:10
0.350								
S_504-503	0.000	0.5	0.0	0.0	0.014	26.0	0	01:14
0.054								
S_525-MTD	0.004	0.6	0.0	0.0	0.200	35.0	0	01:12
0.483								
S_528-525	0.004	0.6	0.0	0.0	0.204	35.2	0	01:12
0.508								
S_532-528	0.002	0.5	0.0	0.0	0.093	31.5	0	01:11
0.302								
S_536-532	0.004	0.9	0.0	0.0	0.209	48.9	0	01:11
0.636								
S_540-536	0.001	0.7	0.0	0.0	0.088	42.9	0	01:10
0.347								
S_545-541	0.009	0.8	0.0	0.0	0.480	40.9	0	01:13
0.857								
S_607-605	0.022	1.0	0.0	11.5	1.013	44.4	0	01:15
1.312								
S_620-619	0.003	0.8	0.0	10.3	0.202	46.9	0	01:11
0.593								
S_622-619	0.002	0.6	0.0	12.0	0.154	35.0	0	01:14
0.371								
S_623-622	0.004	0.8	0.0	10.3	0.243	49.0	0	01:12
0.674								
S_627-630	0.001	0.5	0.0	14.1	0.076	29.4	0	01:11
0.250								
S_652-604	0.005	0.6	0.0	0.0	0.266	35.8	0	01:13
0.580								
Woodlot_North	0.005	1.0	0.0	0.0	0.149	29.8	0	01:42
0.141								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	12.89	0.016	0.158	0.174
OF3	98.64	0.063	1.161	5.325
ST4_108A_(P-Stm)	98.78	0.299	0.350	25.502
System	52.58	0.378	1.445	31.001

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.132	0 01:10	1.32	1.96	0.74
BDR-C2	CONDUIT	0.245	0 01:20	2.08	4.68	0.88
BDR-C3	CONDUIT	0.347	0 01:26	2.80	1.77	0.61
BDR-C4	CONDUIT	0.836	0 01:18	2.60	0.27	0.33
C1	CHANNEL	0.137	0 01:10	0.28	0.06	0.44
C1_1	CHANNEL	0.262	0 01:11	0.47	0.10	0.44
C1_11	CHANNEL	0.995	0 01:14	1.64	0.11	0.43
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.18
C1_3	CHANNEL	0.010	0 01:10	0.08	0.00	0.23
C1_4	CHANNEL	0.333	0 01:11	0.73	0.08	0.36
C1_5	CHANNEL	0.311	0 01:11	0.74	0.06	0.35
C1_6	CHANNEL	0.327	0 01:12	0.82	0.08	0.34
C1_7	CHANNEL	0.312	0 01:14	1.27	0.05	0.29
C1_8	CHANNEL	0.172	0 01:10	0.53	0.04	0.32
C1_9	CHANNEL	0.702	0 01:15	1.32	0.10	0.39
C2	CHANNEL	0.114	0 01:10	1.01	0.01	0.20
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.133	0 01:12	0.78	0.03	0.30
C2_11	CHANNEL	0.121	0 01:15	0.75	0.05	0.48
C2_12	CHANNEL	0.497	0 01:14	0.60	0.31	0.62
C2_13	CHANNEL	0.488	0 01:13	0.60	0.24	0.70
C2_14	CHANNEL	1.471	0 01:16	1.08	0.52	0.78
C2_15	CHANNEL	1.465	0 01:17	1.27	0.52	0.72
C2_16	CHANNEL	0.942	0 01:15	1.27	0.20	0.60
C2_18	CHANNEL	0.029	0 01:12	0.12	0.01	0.30
C2_2	CHANNEL	0.223	0 01:10	0.77	0.07	0.43
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.19
C2_4	CHANNEL	0.523	0 01:12	0.91	0.15	0.59
C2_5	CHANNEL	0.034	0 01:13	0.08	0.02	0.47
C2_7	CHANNEL	0.083	0 01:13	0.82	0.02	0.28
C2_8	CHANNEL	0.138	0 01:11	0.63	0.05	0.31
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.08
C3	CONDUIT	0.658	0 01:12	0.69	0.13	0.31
C3_2	CHANNEL	0.063	0 01:17	0.34	0.04	0.30
C3_6	CHANNEL	0.048	0 01:20	0.30	0.03	0.35
C3_7	CHANNEL	0.142	0 01:10	0.46	0.08	0.39
C4	CONDUIT	1.050	0 01:12	0.92	0.17	0.37
C4_5	CHANNEL	0.164	0 01:16	0.22	0.11	0.72
C4_6	CHANNEL	2.338	0 01:17	1.99	0.39	0.85
C4_7	CHANNEL	1.264	0 01:14	0.67	0.79	1.00
C5	CONDUIT	1.250	0 01:12	0.94	0.24	0.44
C5_1	CHANNEL	0.201	0 01:10	0.39	0.05	0.18
C5_10	CHANNEL	0.129	0 01:11	0.54	0.04	0.24
C5_11	CHANNEL	0.123	0 01:13	0.19	0.04	0.37
C5_12	CHANNEL	1.161	0 01:20	1.29	0.10	0.32
C5_13	CHANNEL	0.142	0 01:11	0.61	0.04	0.26
C5_14	CHANNEL	0.143	0 01:27	0.15	0.10	0.47
C5_15	CHANNEL	0.243	0 01:21	0.50	0.07	0.32
C5_16	CHANNEL	0.238	0 01:25	0.43	0.06	0.25
C5_17	CHANNEL	0.239	0 01:31	0.23	0.02	0.30
C5_18	CHANNEL	0.988	0 01:14	1.12	0.37	0.68
C5_19	CHANNEL	0.245	0 01:20	0.49	0.16	0.29
C5_2	CHANNEL	0.168	0 01:13	0.66	0.02	0.21
C5_20	CHANNEL	0.281	0 01:27	0.35	0.03	0.24
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.31
C5_23	CHANNEL	0.197	0 01:10	0.37	0.04	0.18
C5_24	CHANNEL	0.973	0 01:15	1.18	0.36	0.65
C5_25	CHANNEL	1.045	0 01:15	1.04	0.27	0.71
C5_3	CHANNEL	0.190	0 01:11	0.63	0.01	0.22
C5_4	CHANNEL	0.165	0 01:15	0.55	0.01	0.17
C5_5	CHANNEL	0.162	0 01:16	0.65	0.01	0.16
C5_6	CHANNEL	0.166	0 01:14	0.82	0.01	0.13
C5_7	CHANNEL	0.374	0 01:33	0.53	0.03	0.29
C5_8	CHANNEL	0.276	0 01:20	0.23	0.02	0.44
C5_9	CHANNEL	0.751	0 01:20	0.75	0.06	0.34
C6	CONDUIT	1.534	0 01:14	1.11	0.30	0.46
C7	CONDUIT	3.434	0 01:18	1.83	0.45	0.61
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT	0.374	0 01:07	1.10	1.00	1.00	
C-STRM-1_(1)_(C-STRM) CONDUIT	0.386	0 01:07	1.12	1.19	1.00	
C-STRM-1_(C-STRM)	CONDUIT	0.411	0 01:08	1.45	1.73	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.259	0 01:22	1.40	0.60	0.62
C-STRM-101_(C-STRM)	CONDUIT	0.259	0 01:22	1.62	0.60	0.55
C-STRM-102_(C-STRM)	CONDUIT	2.340	0 01:30	4.17	1.21	0.95
C-STRM-105_(C-STRM)	CONDUIT	0.871	0 01:39	1.37	1.24	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.506	0 01:39	1.16	1.17	1.00
C-STRM-107_(1)_(C-STRM) CONDUIT	4.671	0 01:33	2.18	1.32	1.00	
C-STRM-107_(C-STRM)	CONDUIT	4.408	0 01:32	2.06	1.25	1.00
C-STRM-2_(1)_(C-STRM) CONDUIT	0.521	0 01:26	1.46	0.92	1.00	
C-STRM-2_(C-STRM)	CONDUIT	0.527	0 01:26	1.48	0.93	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.180	0 01:40	1.79	0.63	1.00
C-STRM-21_(C-STRM)	CONDUIT	0.321	0 01:38	1.48	1.06	1.00
C-STRM-22_(1)_(C-STRM) CONDUIT	3.212	0 01:31	1.82	1.17	1.00	
C-STRM-22_(C-STRM)	CONDUIT	3.217	0 01:31	1.95	1.18	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.680	0 01:39	1.27	1.22	1.00
C-STRM-26_(1)_(C-STRM) CONDUIT	0.248	0 01:30	0.81	0.73	1.00	
C-STRM-26_(C-STRM)	CONDUIT	0.245	0 01:29	0.89	0.73	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.784	0 01:26	1.77	1.00		
1.00						
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.595	0 01:28	1.66	1.00	1.00	
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT	0.583	0 01:27	1.63	0.98	1.00	
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT	0.573	0 01:27	1.60	0.96	1.00	
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT	0.567	0 01:27	1.59	1.01	1.00	
C-STRM-3_(1)_(C-STRM) CONDUIT	0.572	0 01:26	1.70	1.02	1.00	
C-STRM-33_(1)_(C-STRM) CONDUIT	0.785	0 01:39	1.23	1.12	1.00	
C-STRM-33_(C-STRM)	CONDUIT	0.638	0 01:39	1.21	0.91	1.00
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT	0.096	0 01:09	0.61	0.56	1.00	
C-STRM-34_(1)_(C-STRM) CONDUIT	0.050	0 01:10	0.40	0.29	1.00	
C-STRM-35_(1)_(C-STRM) CONDUIT	0.195	0 01:29	1.02	0.80	1.00	
C-STRM-35_(C-STRM)	CONDUIT	0.120	0 01:07	0.52	0.49	1.00
C-STRM-4_(1)_(C-STRM) CONDUIT	0.944	0 01:27	2.25	1.09	0.90	
C-STRM-4_(C-STRM)	CONDUIT	0.864	0 01:26	1.96	1.10	1.00
C-STRM-45_(1)_(1)_(C-STRM) CONDUIT	4.409	0 01:32	2.19	2.06	1.25	1.00
C-STRM-46_(1)_(C-STRM) CONDUIT	4.411	0 01:32	2.06	1.25	1.00	
C-STRM-49_(C-STRM)	CONDUIT	0.411	0 01:44	0.93	0.74	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.512	0 01:45	0.97	0.92	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.735	0 01:41	1.15	1.05	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.852	0 01:41	1.14	0.98	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.077	0 01:41	1.44	1.24	1.00
C-STRM-57_(C-STRM)	CONDUIT	1.030	0 01:27	1.38	1.19	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.085	0 01:46	0.72	0.60	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.116	0 01:02	0.94	0.91	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.149	0 01:26	0.69	0.89	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0 01:16	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.283	0 01:42	1.72	1.28	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.575	0 01:29	2.98	1.34	1.00
C-STRM-78_(C-STRM)	CONDUIT	1.354	0 01:28	1.81	1.10	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT	5.335	0 01:34	2.10	1.47	1.00	
C-STRM-79_(C-STRM)	CONDUIT	0.703	0 01:40	1.66	1.00	1.00
C-STRM-8_(1)_(C-STRM) CONDUIT	0.074	0 01:38	0.42	0.39	1.00	
C-STRM-8_(C-STRM)	CONDUIT	0.039	0 01:11	0.34	0.31	1.00
C-STRM-80_(C-STRM)	CONDUIT	5.335	0 01:34	2.10	1.47	1.00
C-STRM-81_(C-STRM)	CONDUIT	5.489	0 01:34	2.38	1.50	0.85
C-STRM-82_(C-STRM)	CONDUIT	5.489	0 01:34	3.02	1.51	0.67
C-STRM-83_(1)_(C-STRM) CONDUIT	2.985	0 01:31	1.94	1.09	1.00	
C-STRM-84_(C-STRM)	CONDUIT	4.182	0 01:31	1.96	1.19	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.079	0 01:06	0.79	0.90	1.00
CVR-C2	CONDUIT	0.164	0 01:15	2.37	0.61	0.45
CVR-C3	CONDUIT	0.375	0 01:30	3.62	2.30	0.77
CVR-C4	CONDUIT	0.751	0 01:20	2.72	0.25	0.29
ST4-Pipe_-_(99)_(P-Stm) CONDUIT	0.350	0 03:10	1.29	0.36	1.00	
W1	CHANNEL	5.533	0 01:19	1.21	0.02	0.06
OR1	ORIFICE	0.350	0 03:10			1.00
OR2	ORIFICE	0.000	0 00:00			0.00
W10	WEIR	0.416	0 01:13			0.24
W11	WEIR	0.253	0 01:11			0.17
W12	WEIR	0.316	0 01:13			0.20
W13	WEIR	0.479	0 01:13			0.26
W14	WEIR	0.234	0 01:10			0.18
W15	WEIR	0.414	0 01:11			0.27
W16	WEIR	0.195	0 01:11			0.14
W17	WEIR	0.297	0 01:12			0.19
W2	WEIR	0.000	0 00:00			0.00
W3	WEIR	0.042	0 01:09			0.07
W4	WEIR	0.145	0 01:11			0.12
W5	WEIR	0.291	0 01:12			0.19
W6	WEIR	0.414	0 01:12			0.27
W7	WEIR	0.349	0 01:11			0.24
W8	WEIR	0.605	0 01:15			0.31
W9	WEIR	0.128	0 01:10			0.19
C-STRM-108_(1)_(C-STRM) DUMMY	0.126	0 01:05				
C-STRM-14_(1)_(C-STRM) DUMMY	0.664	0 01:01				
C-STRM-27_(C-STRM)	DUMMY	0.248	0 01:01			
C-STRM-42_(C-STRM)	DUMMY	0.378	0 01:01			
C-STRM-44_(1)_(C-STRM) DUMMY	0.192	0 01:02				
C-STRM-45_(1)_(C-STRM) DUMMY	0.233	0 01:02				
C-STRM-61_(C-STRM)	DUMMY	0.374	0 01:02			
C-STRM-71_(C-STRM)	DUMMY	0.529	0 01:01			
C-STRM-83_(C-STRM)	DUMMY	2.455	0 01:03			
C-STRM-93_(C-STRM)	DUMMY	0.113	0 01:01			
C-STRM-96_(1)_(C-STRM) DUMMY	0.222	0 01:01				
C-STRM-97_(1)_(C-STRM) DUMMY	0.107	0 01:01				
C-STRM-98_(1)_(C-STRM) DUMMY	0.211	0 01:01				
OL1	DUMMY	0.175	0 01:02			
OL10	DUMMY	0.026	0 00:25			
OL11	DUMMY	0.086	0 01:00			
OL12	DUMMY	0.242	0 01:00			
OL13	DUMMY	0.056	0 01:00			
OL14	DUMMY	0.215	0 01:01			
OL15	DUMMY	0.342	0 01:00			
OL16	DUMMY	0.088	0 01:00			
OL17	DUMMY	0.123	0 01:00			
OL18	DUMMY	0.014	0 01:00			
OL19	DUMMY	0.056	0 01:00			
OL2	DUMMY	0.197	0 01:00			
OL20	DUMMY	0.080	0 01:02			
OL21	DUMMY	0.154	0 01:08			
OL22	DUMMY	0.021	0 01:00			
OL3	DUMMY	0.048	0 01:00			
OL4	DUMMY	0.092	0 01:00			
OL5	DUMMY	0.087	0 01:00			
OL6	DUMMY	0.141	0 01:08			
OL7	DUMMY	0.099	0 01:02			
OL8	DUMMY	0.264	0 01:02			
OL9	DUMMY	0.062	0 01:00			

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.81	0.00
BDR-C2	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.59	0.00
BDR-C3	1.00	0.01	0.00	0.00	0.71	0.28	0.00	0.00	0.01	0.00
BDR-C4	1.00	0.01	0.00	0.00	0.75	0.24	0.00	0.00	0.98	0.00
C1	1.00	0.82	0.01	0.00	0.14	0.00	0.00	0.00	0.96	0.00
C1_1	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.94	0.00
C1_11	1.00	0.83	0.03	0.00	0.05	0.09	0.00	0.00	0.04	0.00
C1_2	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.01	0.03	0.00	0.82	0.13	0.00	0.00	0.01	0.00
C1_4	1.00	0.01	0.85	0.00	0.12	0.02	0.00	0.00	0.95	0.00
C1_5	1.00	0.85	0.01	0.00	0.09	0.05	0.00	0.00	0.05	0.00
C1_6	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.94	0.00
C1_7	1.00	0.01	0.03	0.00	0.48	0.48	0.00	0.00	0.01	0.00
C1_8	1.00	0.84	0.01	0.00	0.11	0.03	0.00	0.00	0.95	0.00
C1_9	1.00	0.84	0.01	0.00	0.05	0.09	0.00	0.00	0.02	0.00
C2	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C2_11	1.00	0.01	0.03	0.00	0.50	0.46	0.00	0.00	0.02	0.00
C2_12	1.00	0.01	0.85	0.00	0.12	0.01	0.00	0.00	0.95	0.00
C2_13	1.00	0.01	0.02	0.00	0.76	0.21	0.00	0.00	0.02	0.00
C2_14	1.00	0.01	0.80	0.00	0.16	0.03	0.00	0.00	0.95	0.00
C2_15	1.00	0.01	0.02	0.00	0.68	0.29	0.00	0.00	0.02	0.00
C2_16	1.00	0.83	0.01	0.00	0.09	0.07	0.00	0.00	0.05	0.00
C2_18	1.00	0.01	0.04	0.00	0.30	0.65	0.00	0.00	0.01	0.00
C2_2	1.00	0.01	0.85	0.00	0.12	0.02	0.00	0.00	0.95	0.00
C2_3	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C2_5	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C2_7	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C2_8	1.00	0.01	0.86	0.00	0.10	0.03	0.00	0.00	0.94	0.00
C2_9	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	0.62	0.14	0.00	0.24	0.00	0.00	0.00	0.95	0.00
C3_2	1.00	0.01	0.01	0.00	0.64	0.31	0.00	0.00	0.01	0.00
C3_6	1.00	0.80	0.01	0.00	0.19	0.00	0.00	0.00	0.02	0.00
C3_7	1.00	0.85	0.00	0.00	0.15	0.00	0.00	0.00	0.92	0.00
C4	1.00	0.49	0.14	0.00	0.38	0.00	0.00	0.00	0.95	0.00
C4_5	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.94	0.00
C4_6	1.00	0.01	0.85	0.00	0.10	0.04	0.00	0.00	0.95	0.00
C4_7	1.00	0.03	0.02	0.00	0.89	0.06	0.00	0.00	0.01	0.00
C5	1.00	0.33	0.16	0.00	0.51	0.00	0.00	0.00	0.95	0.00
C5_1	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.88	0.00
C5_10	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.94	0.00
C5_11	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.96	0.00
C5_12	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.02	0.00	0.00	0.30	0.68	0.00	0.00	0.02	0.00
C5_14	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.65	0.00
C5_15	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.96	0.00
C5_16	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00	0.93	0.00
C5_18	1.00	0.04	0.00	0.00	0.95	0.01	0.00	0.00	0.95	0.00
C5_19	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.66	0.00
C5_2	1.00	0.02	0.00	0.00	0.62	0.36	0.00	0.00	0.00	0.00
C5_20	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
C5_21	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.02	0.00	0.00	0.78	0.20	0.00	0.00	0.57	0.00
C5_24	1.00	0.04	0.00	0.00	0.94	0.01	0.00	0.00	0.94	0.00
C5_25	1.00	0.01	0.03	0.00	0.12	0.83	0.00	0.00	0.02	0.00
C5_3	1.00	0.02	0.00	0.00	0.98	0.01	0.00	0.00	0.97	0.00
C5_4	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.96	0.00
C5_5	1.00	0.04	0.00	0.00	0.96	0.01	0.00	0.00	0.12	0.00
C5_6	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.89	0.00
C5_7	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_8	1.00	0.01	0.03	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C5_9	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C6	1.00	0.05	0.28	0.00	0.67	0.00	0.00	0.00	0.94	0.00
C7	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.05	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.79	0.00
C-STRM-1_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.74	0.13	0.00	0.10	0.00	0.00	0.03	0.91	0.00
C-STRM-101_(C-STRM)	1.00	0.70	0.04	0.00	0.20	0.00	0.00	0.05	0.74	0.00
C-STRM-102_(C-STRM)	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.07	0.00
C-STRM-105_(C-STRM)	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.03	0.00	0.00	0.05	0.00	0.00	0.92	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.07	0.00	0.00	0.91	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.49	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.72	0.00
C-STRM-2_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.69	0.00
C-STRM-20_(C-STRM)	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.93	0.01	0.00
C-STRM-21_(C-STRM)	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.94	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.87	0.00
C-STRM-23_(C-STRM)	1.00	0.03	0.00	0.00	0.04	0.00	0.00	0.93	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.93	0.00	0.00
C-STRM-26_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.91	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.67	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.03	0.00	0.00	0.95	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.86	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.60	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.25	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.00	0.00	0.02	0.71	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.89	0.00
C-STRM-33_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.72	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.04	0.01	0.00	0.03	0.00	0.00	0.92	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.04	0.84	0.00	0.11	0.00	0.00	0.00	0.93	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.01	0.75	0.00	0.23	0.00	0.00	0.00	0.92	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.01	0.00	0.00	0.94	0.04	0.00	0.01	0.86	0.00
C-STRM-46_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.86	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.74	0.00
C-STRM-49_(C-STRM)	1.00	0.01	0.38	0.00	0.61	0.00	0.00	0.00	0.85	0.00
C-STRM-50_(C-STRM)	1.00	0.02	0.00	0.00	0.07	0.00	0.00	0.91	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.92	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.67	0.00
C-STRM-53_(C-STRM)	1.00	0.01	0.18	0.00	0.80	0.00	0.00	0.00	0.69	0.00
C-STRM-57_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.52	0.00
C-STRM-60_(C-STRM)	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.92	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.01	0.00	0.00	0.03	0.00	0.00	0.96	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.02	0.00	0.00	0.11	0.00	0.00	0.87	0.06	0.00
C-STRM-64_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.01	0.00	0.00	0.51	0.00	0.00	0.47	0.15	0.00
C-STRM-77_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.38	0.00
C-STRM-78_(C-STRM)	1.00	0.01	0.00	0.00	0.51	0.00	0.00	0.48	0.13	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.71	0.00
C-STRM-79_(C-STRM)	1.00	0.03	0.00	0.00	0.03	0.00	0.00	0.94	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.03	0.01	0.00	0.04	0.00	0.00	0.91	0.01	0.00
C-STRM-8_(C-STRM)	1.00	0.04	0.00	0.00	0.02	0.00	0.00	0.93	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.65	0.00
C-STRM-81_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.55	0.00
C-STRM-82_(C-STRM)	1.00	0.01	0.00	0.00	0.42	0.00	0.00	0.57	0.03	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.40	0.00
C-STRM-84_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.70	0.00
C-STRM-87_(C-STRM)	1.00	0.97	0.00	0.00	0.03	0.00	0.00	0.00	0.93	0.00
CVR-C2	1.00	0.03	0.00	0.00	0.81	0.15	0.00	0.00	0.83	0.00
CVR-C3	1.00	0.01	0.00	0.00	0.23	0.76	0.00	0.00	0.06	0.00
CVR-C4	1.00	0.01	0.00	0.00	0.59	0.40	0.00	0.00	0.11	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.01	0.00	0.00	0.19	0.00	0.00	0.80	0.00	0.00
W1	1.00	0.88	0.00	0.00	0.00	0.00	0.00	0.12	0.00	0.00

****
Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Upstream	Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.21	0.01	0.47	0.01
BDR-C2	0.01	0.22	0.01	1.38	0.01
BDR-C3	0.01	0.01	0.01	0.51	0.01
C4_6	0.01	0.01	0.16	0.01	0.01
C4_7	0.01	0.01	0.16	0.01	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.50	0.50	0.51	0.01	0.33
C-STRM-1_(1)_(C-STRM)	0.49	0.53	0.50	0.38	0.34
C-STRM-1_(C-STRM)	0.53	0.59	0.53	0.48	0.46
C-STRM-100_(C-STRM)	0.01	0.01	0.01	0.60	0.01
C-STRM-105_(C-STRM)	0.69	0.70	0.70	0.15	0.14
C-STRM-106_(C-STRM)	0.68	0.68	0.69	0.40	0.65
C-STRM-107_(1)_(C-STRM)	0.59	0.65	0.59	0.62	0.59
C-STRM-107_(C-STRM)	0.65	0.66	0.65	0.56	0.65
C-STRM-2_(1)_(C-STRM)	0.52	0.54	0.52	0.01	0.52
C-STRM-2_(C-STRM)	0.51	0.51	0.54	0.01	0.01
C-STRM-20_(C-STRM)	0.39	0.39	0.53	0.01	0.01
C-STRM-21_(C-STRM)	0.53	0.53	0.57	0.02	0.03
C-STRM-22_(1)_(C-STRM)	0.64	0.64	0.65	0.49	0.51
C-STRM-22_(C-STRM)	0.63	0.63	0.64	0.55	0.52
C-STRM-23_(C-STRM)	0.69	0.69	0.70	0.20	0.63
C-STRM-26_(1)_(C-STRM)	0.68	0.68	0.70	0.01	0.01
C-STRM-26_(C-STRM)	0.65	0.65	0.68	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.51	0.51	0.51	0.01	0.45
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.51	0.52	0.51	0.01	0.40
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.52	0.54	0.52	0.01	0.51
C-STRM-3_(1)_(1)_(C-STRM)	0.54	0.57	0.54	0.01	0.54
C-STRM-3_(1)_(2)_(C-STRM)	0.53	0.53	0.57	0.03	0.07
C-STRM-3_(1)_(C-STRM)	0.52	0.52	0.53	0.08	0.28
C-STRM-33_(1)_(C-STRM)	0.68	0.68	0.70	0.05	0.14
C-STRM-33_(C-STRM)	0.67	0.67	0.68	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.43	0.43	0.50	0.01	0.01
C-STRM-34_(1)_(C-STRM)	0.34	0.34	0.43	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.59	0.59	0.65	0.01	0.01
C-STRM-35_(C-STRM)	0.50	0.50	0.59	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.47	0.01	0.33	0.01
C-STRM-4_(C-STRM)	0.47	0.51	0.47	0.30	0.47
C-STRM-46_(1)_(1)_(C-STRM)	0.66	0.67	0.66	0.56	0.66
C-STRM-46_(1)_(C-STRM)	0.67	0.69	0.67	0.56	0.67
C-STRM-49_(C-STRM)	0.72	0.72	0.72	0.01	0.01
C-STRM-50_(C-STRM)	0.72	0.72	0.72	0.01	0.66
C-STRM-51_(C-STRM)	0.72	0.72	0.72	0.34	0.72
C-STRM-52_(C-STRM)	0.72	0.72	0.73	0.01	0.68
C-STRM-53_(C-STRM)	0.72	0.73	0.72	0.63	0.72
C-STRM-57_(C-STRM)	0.70	0.71	0.71	0.48	0.69
C-STRM-60_(C-STRM)	0.66	0.66	0.67	0.01	0.01
C-STRM-62_(C-STRM)	0.52	0.52	0.56	0.01	0.01
C-STRM-63_(C-STRM)	0.56	0.56	0.59	0.01	0.01
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.14	0.01
C-STRM-76_(C-STRM)	0.71	0.72	0.71	0.66	0.71
C-STRM-77_(C-STRM)	0.01	0.72	0.01	0.65	0.01
C-STRM-78_(C-STRM)	0.70	0.71	0.71	0.30	0.62
C-STRM-79_(1)_(C-STRM)	0.40	0.59	0.40	0.70	0.40
C-STRM-79_(C-STRM)	0.58	0.58	0.59	0.01	0.01
C-STRM-8_(1)_(C-STRM)	0.42	0.42	0.51	0.01	0.01
C-STRM-8_(C-STRM)	0.34	0.34	0.42	0.01	0.01
C-STRM-80_(C-STRM)	0.14	0.40	0.14	0.70	0.14
C-STRM-81_(C-STRM)	0.01	0.14	0.01	0.72	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.72	0.01
C-STRM-83_(1)_(C-STRM)	0.63	0.63	0.63	0.52	0.52
C-STRM-84_(C-STRM)	0.69	0.70	0.69	0.51	0.69
C-STRM-87_(C-STRM)	0.64	0.64	0.66	0.01	0.01
CVR-C3	0.01	0.92	0.01	1.19	0.01
ST4-Pipe_-_(99)_(P-Stm)	0.21	0.21	0.35	0.01	0.01

Analysis begun on: Thu Jun 25 09:02:39 2026
Analysis ended on: Thu Jun 25 09:03:34 2026
Total elapsed time: 00:00:55

Post-Development 1:100CC year 3-hour Chicago Event

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                    Data       Recording
  Name                 Data Source                  Type       Interval
  ---------------------------------------------------------------------
  24SCS100             24SCS100                     INTENSITY   15 min.
  6SCS050              6SCS050                      INTENSITY   15 min.
  Rainfall             CHI_3hr_100CC                INTENSITY   10 min.


  ********************
  Subcatchment Summary
  ********************
  Name                 Area     Width   %Imperv    %Slope Rain Gage            Outlet
  ------------------------------------------------------------------------------------
  A15_1                1.31     13.10     18.98    0.5000 Rainfall             EXD_8
  A15_2                2.15     13.10     18.98    0.5000 Rainfall             EXD_12
  A18                  0.59    338.21     39.12    0.5000 Rainfall             EXD_25
  A19                  1.11    332.78     22.32    0.5000 Rainfall             EXD_20
  A20                  4.83    279.76      8.37    1.5000 Rainfall             EXD_15
  NULL3                0.57    312.75     83.33    1.4500 Rainfall             EXD_27
  S1                   6.51   1465.85     64.29    2.0000 Rainfall             S_607-605
  S1_1                 0.09    154.58     71.43    2.0000 Rainfall             J19
  S1_2                 0.14    147.72     71.43    2.0000 Rainfall             J21
  S10_1                1.84    414.84     64.29    2.0000 Rainfall             S_620-619
  S10_2                2.13    479.37     64.29    2.0000 Rainfall             S_623-622
  S10_4                0.74    165.67     64.29    2.0000 Rainfall             S_627-630
  S10_5                1.26    284.06     64.29    2.0000 Rainfall             S_622-619
  S11                  3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                  0.44    346.44     71.43    2.0000 Rainfall             J2
  S14_1                0.60    371.55     71.43    2.0000 Rainfall             J27
  S14_3                1.06    381.29     71.43    2.0000 Rainfall             J57
  S14_4                0.31    138.84     71.43    2.0000 Rainfall             J47
  S14_5                1.69    653.02     71.43    2.0000 Rainfall             J28
  S14_6                0.28    141.02     71.43    2.0000 Rainfall             J58
  S14_7                1.19    549.94     71.43    2.0000 Rainfall             J60
  S14_8                0.43    191.40     71.43    2.0000 Rainfall             J50
  S15                  1.64    368.26     64.29    2.0000 Rainfall             S_525-MTD
  S16_1                0.46     16.60    100.00    0.5000 Rainfall             EXD_10
  S16_2                0.99     16.60    100.00    0.5000 Rainfall             EXD_8
  S17                  6.26    202.00      3.33    0.5000 Rainfall             EXD_7
  S18_2                3.35    754.05     67.14    2.0000 Rainfall             S_545-541
  S18_3                1.66    372.76     67.14    2.0000 Rainfall             S_528-525
  S18_4                0.88    197.06     67.14    2.0000 Rainfall             S_540-536
  S18_5                1.83    412.02     67.14    2.0000 Rainfall             S_536-532
  S18_6                0.84    188.96     67.14    2.0000 Rainfall             S_532-528
  S19                  0.97    462.04     71.43    2.0000 Rainfall             J35
  S2                   0.37    154.58     71.43    2.0000 Rainfall             J20
  S2_1                 3.14    707.17     67.14    2.0000 Rainfall             637_(C-
STRM)
  S2_2                 1.01    228.16     67.14    2.0000 Rainfall             633_(C-
STRM)
  S20_1                0.45    284.74     71.43    2.0000 Rainfall             J42
  S20_2                0.24    137.80     71.43    2.0000 Rainfall             J38
  S3                   2.12    476.98     64.29    2.0000 Rainfall             S_652-604
  S32_1                0.43    369.16     71.43    2.0000 Rainfall             J43
  S32_2                0.16     35.80     64.29    2.0000 Rainfall             S_504-503
  S36                  1.82     21.00    100.00    0.5000 Rainfall             EXD_10
  S4                  13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                   3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                   0.34    261.05     57.14    2.0000 Rainfall             OF2
  S7                   3.99    402.80     85.71    0.5000 Rainfall             POND_(C-
STRM)
  S8                   1.60    121.93     35.71    2.0000 Rainfall             PARK


  ************
  Node Summary
  ************
                                        Invert      Max.    Ponded    External
  Name                 Type              Elev.     Depth      Area    Inflow
  ---------------------------------------------------------------------------
  EXD_1                JUNCTION         104.39      1.51       0.0
  EXD_10               JUNCTION          98.65      1.20       0.0
  EXD_11               JUNCTION          98.50      1.20       0.0
  EXD_12               JUNCTION          98.31      1.20       0.0
  EXD_13               JUNCTION         104.32      1.10       0.0
  EXD_14               JUNCTION         102.49      0.80       0.0
  EXD_15               JUNCTION         100.27      0.80       0.0
  EXD_16               JUNCTION         100.20      0.80       0.0
  EXD_17               JUNCTION          99.89      0.80       0.0
  EXD_18               JUNCTION          99.40      0.84       0.0
  EXD_19               JUNCTION          99.19      0.88       0.0
  EXD_2                JUNCTION         103.47      1.93       0.0
  EXD_20               JUNCTION          99.19      0.88       0.0
  EXD_21               JUNCTION          99.18      0.88       0.0
  EXD_22               JUNCTION          99.14      0.88       0.0
  EXD_23               JUNCTION          98.75      1.14       0.0
  EXD_24               JUNCTION          98.67      1.14       0.0
  EXD_25               JUNCTION          98.52      1.13       0.0
  EXD_26               JUNCTION          98.48      1.13       0.0
  EXD_27               JUNCTION          98.17      1.20       0.0
  EXD_3                JUNCTION         103.19      1.41       0.0
  EXD_4                JUNCTION         102.64      1.20       0.0
  EXD_5                JUNCTION         102.50      1.20       0.0
  EXD_6                JUNCTION         102.32      1.08       0.0
  EXD_7                JUNCTION         101.50      1.06       0.0
  EXD_8                JUNCTION         100.48      1.06       0.0
  EXD_9                JUNCTION         100.39      1.06       0.0
  J1                   JUNCTION         103.45      0.50       0.0
  J13                  JUNCTION         103.30      0.50       0.0
  J17                  JUNCTION         104.37      1.04       0.0
  J19                  JUNCTION         105.60      0.50       0.0
  J2                   JUNCTION         109.00      0.50       0.0
  J20                  JUNCTION         105.80      0.50       0.0
  J21                  JUNCTION         105.90      0.50       0.0
  J22                  JUNCTION         106.00      0.50       0.0
  J23                  JUNCTION         106.20      0.50       0.0
  J27                  JUNCTION         109.00      0.50       0.0
  J28                  JUNCTION         108.80      0.50       0.0
  J3                   JUNCTION         103.70      0.50       0.0
  J31                  JUNCTION         106.00      0.50       0.0
  J35                  JUNCTION         104.70      0.50       0.0
  J36                  JUNCTION         104.93      0.50       0.0
  J37                  JUNCTION         104.65      0.50       0.0
  J38                  JUNCTION         104.60      0.50       0.0
  J39                  JUNCTION         104.45      0.50       0.0
  J4                   JUNCTION         103.60      0.50       0.0
  J40                  JUNCTION         103.20      0.50       0.0
  J42                  JUNCTION         104.20      0.50       0.0
  J43                  JUNCTION         104.50      0.50       0.0
  J45                  JUNCTION         104.60      0.50       0.0
  J46                  JUNCTION         105.10      0.50       0.0
  J47                  JUNCTION         105.75      0.50       0.0
  J49                  JUNCTION         105.30      0.50       0.0
  J5                   JUNCTION         103.50      0.50       0.0
  J50                  JUNCTION         106.75      0.50       0.0
  J51                  JUNCTION         109.75      0.50       0.0
  J52                  JUNCTION         109.00      0.50       0.0
  J55                  JUNCTION         109.10      0.50       0.0
  J56                  JUNCTION         108.47      0.50       0.0
  J57                  JUNCTION         108.40      0.50       0.0
  J58                  JUNCTION         108.00      0.50       0.0
  J6                   JUNCTION         103.40      0.50       0.0
  J60                  JUNCTION         107.00      0.50       0.0
  J61                  JUNCTION         106.50      0.50       0.0
  J62                  JUNCTION         105.70      0.50       0.0
  J63                  JUNCTION         105.20      0.50       0.0
  J66                  JUNCTION         107.75      0.50       0.0
  J67                  JUNCTION         107.50      0.50       0.0
  J74                  JUNCTION          98.45      0.90       0.0
  OF1                  OUTFALL          100.80      0.00       0.0
  OF2                  OUTFALL            0.00      0.00       0.0
  OF3                  OUTFALL           98.00      1.06       0.0
  ST4_108A_(P-Stm)     OUTFALL           98.02      1.19       0.0
  500_(C-STRM)         STORAGE          100.37      2.79       0.0
  502_(C-STRM)         STORAGE          100.57      3.70       0.0
  503_(C-STRM)         STORAGE          100.61      3.91       0.0
  504_(C-STRM)         STORAGE          103.06      2.80       0.0
  505_(C-STRM)         STORAGE          103.48      3.27       0.0
  506_(C-STRM)         STORAGE          103.83      3.15       0.0
  507_(C-STRM)         STORAGE          104.17      3.19       0.0
  508_(C-STRM)         STORAGE          104.39      3.18       0.0
  509_(C-STRM)         STORAGE          104.62      3.12       0.0
  510_(C-STRM)         STORAGE          104.87      3.06       0.0
  511_(C-STRM)         STORAGE          104.94      3.06       0.0
  512_(C-STRM)         STORAGE          105.14      3.10       0.0
  513_(C-STRM)         STORAGE          105.27      3.12       0.0
  514_(C-STRM)         STORAGE          105.61      3.13       0.0
  515_(C-STRM)         STORAGE          105.88      3.22       0.0
  516_(C-STRM)         STORAGE          105.48      3.03       0.0
  517_(C-STRM)         STORAGE          105.64      3.00       0.0
  518_(C-STRM)         STORAGE          105.88      2.90       0.0
  519_(C-STRM)         STORAGE          106.10      2.79       0.0
  520_(C-STRM)         STORAGE          106.37      2.63       0.0
  522_(C-STRM)         STORAGE          104.31      3.00       0.0
  525_(C-STRM)         STORAGE          100.58      2.72       0.0
  528_(C-STRM)         STORAGE          100.70      2.71       0.0
  532_(C-STRM)         STORAGE          100.80      2.70       0.0
  536_(C-STRM)         STORAGE          100.95      2.65       0.0
  540_(C-STRM)         STORAGE          100.83      2.87       0.0
  541_(C-STRM)         STORAGE          100.91      2.92       0.0
  551_(C-STRM)         STORAGE          100.67      3.79       0.0
  552_(C-STRM)         STORAGE          100.77      3.86       0.0
  553_(C-STRM)         STORAGE          100.96      3.76       0.0
  554_(C-STRM)         STORAGE          101.08      3.89       0.0
  555_(C-STRM)         STORAGE          101.27      4.08       0.0
  556_(C-STRM)         STORAGE          101.39      4.21       0.0
  601_(C-STRM)         STORAGE          100.43      4.45       0.0
  602_(C-STRM)         STORAGE          100.48      4.16       0.0
  603_(C-STRM)         STORAGE          100.55      3.99       0.0
  604_(C-STRM)         STORAGE          100.63      5.14       0.0
  605_(C-STRM)         STORAGE          101.38      5.35       0.0
  619_(C-STRM)         STORAGE          101.12      5.40       0.0
  622_(C-STRM)         STORAGE          101.24      4.78       0.0
  626_(C-STRM)         STORAGE          104.00      3.20       0.0
  627_(C-STRM)         STORAGE          103.20      3.50       0.0
  629_(C-STRM)         STORAGE          101.71      4.40       0.0
  630_(C-STRM)         STORAGE          101.83      4.37       0.0
  630A_(C-STRM)        STORAGE          101.88      4.12       0.0
  633_(C-STRM)         STORAGE          105.30      0.50       0.0
  634_(C-STRM)         STORAGE          101.88      3.82       0.0
  637_(C-STRM)         STORAGE          105.35      0.50       0.0
  643_(C-STRM)         STORAGE          102.07      3.45       0.0
  644_(C-STRM)         STORAGE          102.54      3.17       0.0
  645_(C-STRM)         STORAGE          102.30      3.61       0.0
  646_(C-STRM)         STORAGE          102.43      3.34       0.0
  647_(C-STRM)         STORAGE          102.57      3.03       0.0
  650_(C-STRM)         STORAGE          100.99      5.17       0.0
  651_(C-STRM)         STORAGE          100.89      4.99       0.0
  652_(C-STRM)         STORAGE          100.87      4.97       0.0
  Filter_Bed           STORAGE          100.10      1.48       0.0
  Industrial_NORTH     STORAGE          105.20      0.50       0.0
  Industrial_South     STORAGE          105.00      0.50       0.0
  MTD_(C-STRM)         STORAGE          100.36      3.02       0.0
  OVERFLOW_(C-STRM)    STORAGE          100.17      2.83       0.0
  PARK                 STORAGE          105.36      0.50       0.0
  POND_(C-STRM)        STORAGE           98.45      2.65       0.0    Yes
  S_504-503            STORAGE          105.75      0.50       0.0
  S_525-MTD            STORAGE          103.45      0.50       0.0
  S_528-525            STORAGE          103.50      0.50       0.0
  S_532-528            STORAGE          103.65      0.50       0.0
  S_536-532            STORAGE          103.70      0.50       0.0
  S_540-536            STORAGE          103.85      0.50       0.0
  S_545-541            STORAGE          103.90      0.50       0.0
  S_607-605            STORAGE          107.90      0.50       0.0
  S_620-619            STORAGE          106.90      0.50       0.0
  S_622-619            STORAGE          106.00      0.50       0.0
  S_623-622            STORAGE          106.50      0.50       0.0
  S_627-630            STORAGE          106.70      0.50       0.0
  S_652-604            STORAGE          105.85      0.50       0.0
  Woodlot_North        STORAGE          106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                 From Node        To Node          Type          Length    %Slope
Roughness
  ---------------------------------------------------------------------------------------
-
  BDR-C1               EXD_15           EXD_16           CONDUIT         17.7    0.3844
0.0250
  BDR-C2               EXD_20           EXD_21           CONDUIT          7.9    0.0632
0.0130
  BDR-C3               EXD_25           EXD_26           CONDUIT         14.2    0.2683
0.0130
  BDR-C4               EXD_12           EXD_27           CONDUIT         23.0    0.6077
0.0130
  C1                   J27              J28              CONDUIT        185.8    0.1077
0.0130
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  C1_1              J28               J57               CONDUIT          329.5    0.1214
0.0130
  C1_11             J47               J43               CONDUIT           75.0    1.6661
0.0130
  C1_2              J55               J57               CONDUIT          190.6    0.3672
0.0130
  C1_3              J56               J57               CONDUIT           40.0    0.1748
0.0130
  C1_4              J58               J66               CONDUIT           70.2    0.3562
0.0130
  C1_5              J57               J58               CONDUIT           76.8    0.5205
0.0130
  C1_6              J66               J67               CONDUIT           70.0    0.3571
0.0130
  C1_7              J67               J60               CONDUIT           69.8    0.7166
0.0130
  C1_8              J60               J50               CONDUIT           73.0    0.3424
0.0130
  C1_9              J50               J47               CONDUIT           92.6    1.0800
0.0130
  C2                J2                EXD_1             CONDUIT          173.2    1.9632
0.0130
  C2_1              J51               J52               CONDUIT           39.5    1.8977
0.0130
  C2_10             J63               J36               CONDUIT           39.5    0.6883
0.0130
  C2_11             J36               J35               CONDUIT           72.0    0.3166
0.0130
  C2_12             J35               J37               CONDUIT           45.5    0.1098
0.0130
  C2_13             J37               J38               CONDUIT           28.9    0.1729
0.0130
  C2_14             J38               J39               CONDUIT           44.0    0.3457
0.0130
  C2_15             J39               J42               CONDUIT           72.0    0.3442
0.0130
  C2_16             J43               J42               CONDUIT           31.1    0.9633
0.0130
  C2_18             J45               J43               CONDUIT           70.2    0.1425
0.0130
  C2_2              J60               J61               CONDUIT           75.0    0.6666
0.0130
  C2_3              J52               J60               CONDUIT          165.4    1.2090
0.0130
  C2_4              J61               J31               CONDUIT           72.0    0.6944
0.0130
  C2_5              J23               J31               CONDUIT          163.3    0.1225
0.0130
  C2_7              J23               J22               CONDUIT           27.9    0.7165
0.0130
  C2_8              J19               J63               CONDUIT          110.8    0.3610
0.0130
  C2_9              J46               J45               CONDUIT           93.4    0.5355
0.0130
  C3                J3                J4                CONDUIT           72.6    0.1378
0.0130
  C3_2              J22               J21               CONDUIT           73.0    0.1370
0.0130
  C3_6              J21               J20               CONDUIT           75.8    0.1319
0.0130
  C3_7              J20               J19               CONDUIT          112.3    0.1781
0.0130
  C4                J4                J5                CONDUIT           49.7    0.2012
0.0130
  C4_5              J1                J13               CONDUIT          118.4    0.1267
0.0130
  C4_6              J42               J40               CONDUIT           45.9    2.1776
0.0130
  C4_7              J13               J40               CONDUIT           64.4    0.1553
0.0130
  C5                J5                J6                CONDUIT           68.4    0.1461
0.0130
  C5_1              EXD_1             J17               CONDUIT           19.0    0.1054
0.0250
  C5_10             EXD_16            EXD_17            CONDUIT           81.0    0.3866
0.0250
  C5_11             EXD_18            EXD_19            CONDUIT          109.9    0.1893
0.0250
  C5_12             EXD_27            OF3               CONDUIT           27.1    0.6098
0.0250
  C5_13             EXD_17            EXD_18            CONDUIT           99.9    0.4876
0.0250
  C5_14             EXD_19            EXD_20            CONDUIT           12.7    0.0550
0.0250
  C5_15             EXD_22            EXD_23            CONDUIT          101.7    0.3893
0.0250
  C5_16             EXD_23            EXD_24            CONDUIT          102.4    0.0781
0.0250
  C5_17             EXD_24            EXD_25            CONDUIT           54.8    0.2645
0.0250
  C5_18             J31               J62               CONDUIT           71.0    0.4225
0.0130
  C5_19             EXD_21            EXD_22            CONDUIT           66.3    0.0558
0.0250
  C5_2              EXD_2             EXD_3             CONDUIT           95.1    0.2933
0.0250
  C5_20             EXD_26            EXD_27            CONDUIT          121.0    0.2645
0.0250
  C5_21             EXD_14            EXD_15            CONDUIT          142.1    1.5626
0.0250
  C5_23             J17               EXD_13            CONDUIT           37.0    0.1299
0.0250
  C5_24             J62               J49               CONDUIT           91.3    0.4382
0.0130
  C5_25             J49               J38               CONDUIT           76.5    0.9152
0.0130
  C5_3              EXD_13            EXD_2             CONDUIT          104.3    0.8195
0.0250
  C5_4              EXD_4             EXD_5             CONDUIT           16.6    0.8880
0.0250
  C5_5              EXD_6             EXD_7             CONDUIT          104.5    0.7893
0.0250
  C5_6              EXD_3             EXD_4             CONDUIT           61.7    0.8871
0.0250
  C5_7              EXD_9             EXD_10            CONDUIT          284.4    0.6091
0.0250
  C5_8              EXD_7             EXD_8             CONDUIT          165.7    0.6095
0.0250
  C5_9              EXD_11            EXD_12            CONDUIT           31.7    0.6087
0.0250
  C6                J6                J13               CONDUIT           71.5    0.1398
0.0130
  C7                J40               Filter_Bed        CONDUIT           63.6    0.3144
0.0130
  C-STRM-1_(1)_(1)_(C-STRM) 516_(C-STRM)     513_(C-STRM)     CONDUIT          106.6    0.1998
0.0130
  C-STRM-1_(1)_(C-STRM) 517_(C-STRM)     516_(C-STRM)     CONDUIT          106.0    0.1500
0.0130
  C-STRM-1_(C-STRM) 518_(C-STRM)     517_(C-STRM)     CONDUIT          106.6    0.1500
0.0130
  C-STRM-100_(C-STRM) OVERFLOW_(C-STRM) 500_(C-STRM)     CONDUIT           26.4    0.4998
0.0130
  C-STRM-101_(C-STRM) 500_(C-STRM)     POND_(C-STRM)     CONDUIT           12.9    0.5021
0.0130
  C-STRM-102_(C-STRM) OVERFLOW_(C-STRM) Filter_Bed       CONDUIT           14.0    0.5008
0.0130
  C-STRM-105_(C-STRM) 645_(C-STRM)     630A_(C-STRM)     CONDUIT           73.9    0.1502
0.0130
  C-STRM-106_(C-STRM) 643_(C-STRM)     634_(C-STRM)      CONDUIT           72.0    0.1500
0.0130
  C-STRM-107_(1)_(C-STRM) 652_(C-STRM)     604_(C-STRM)     CONDUIT           61.9    0.1502
0.0130
  C-STRM-107_(C-STRM) 651_(C-STRM)     652_(C-STRM)     CONDUIT           10.7    0.1495
0.0130
  C-STRM-2_(1)_(C-STRM) 512_(C-STRM)     511_(C-STRM)     CONDUIT           44.5    0.4498
0.0130
  C-STRM-2_(C-STRM) 513_(C-STRM)     512_(C-STRM)     CONDUIT           29.3    0.4502
0.0130
  C-STRM-20_(C-STRM) 626_(C-STRM)     627_(C-STRM)     CONDUIT           72.4    1.0002
0.0130
  C-STRM-21_(C-STRM) 627_(C-STRM)     630_(C-STRM)     CONDUIT           74.3    0.4995
0.0130
  C-STRM-22_(1)_(C-STRM) 629_(C-STRM)     622_(C-STRM)     CONDUIT           81.4    0.1499
0.0130
  C-STRM-22_(C-STRM) 630_(C-STRM)     629_(C-STRM)     CONDUIT           82.1    0.1498
0.0130
  C-STRM-23_(C-STRM) 634_(C-STRM)     622_(C-STRM)     CONDUIT           72.0    0.1500
0.0130
  C-STRM-26_(1)_(C-STRM) 551_(C-STRM)     502_(C-STRM)     CONDUIT           60.8    0.1613
0.0130
  C-STRM-26_(C-STRM) 552_(C-STRM)     551_(C-STRM)     CONDUIT           60.3    0.1593
0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) 506_(C-STRM)     505_(C-STRM)     CONDUIT
70.0    0.4998    0.0130
  C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) 507_(C-STRM)     506_(C-STRM)     CONDUIT           51.7
0.5005    0.0130
  C-STRM-3_(1)_(1)_(1)_(C-STRM) 508_(C-STRM)     507_(C-STRM)     CONDUIT           45.5
0.5011    0.0130
  C-STRM-3_(1)_(1)_(C-STRM) 509_(C-STRM)     508_(C-STRM)     CONDUIT           45.5    0.4989
0.0130
  C-STRM-3_(1)_(2)_(C-STRM) 510_(C-STRM)     509_(C-STRM)     CONDUIT           55.7    0.4507
0.0130
  C-STRM-3_(1)_(C-STRM) 511_(C-STRM)     510_(C-STRM)     CONDUIT           14.5    0.4469
0.0130
  C-STRM-33_(1)_(C-STRM) 646_(C-STRM)     645_(C-STRM)     CONDUIT           91.0    0.1505
0.0130
  C-STRM-33_(C-STRM) 647_(C-STRM)     646_(C-STRM)     CONDUIT           92.9    0.1496
0.0130
  C-STRM-34_(1)_(1)_(C-STRM) 555_(C-STRM)     554_(C-STRM)     CONDUIT           75.2
0.1596    0.0130
  C-STRM-34_(1)_(C-STRM) 556_(C-STRM)     555_(C-STRM)     CONDUIT           75.2    0.1596
0.0130
  C-STRM-35_(1)_(C-STRM) 553_(C-STRM)     552_(C-STRM)     CONDUIT           72.1    0.1596
0.0130
  C-STRM-35_(C-STRM) 554_(C-STRM)     553_(C-STRM)     CONDUIT           72.0    0.1611
0.0130
  C-STRM-4_(1)_(C-STRM) 504_(C-STRM)     503_(C-STRM)     CONDUIT           83.2    0.6007
0.0130
  C-STRM-4_(C-STRM) 505_(C-STRM)     504_(C-STRM)     CONDUIT           84.0    0.4998
0.0130
  C-STRM-46_(1)_(1)_(C-STRM) 650_(C-STRM)     651_(C-STRM)     CONDUIT           68.0
0.1500    0.0130
  C-STRM-46_(1)_(C-STRM) 619_(C-STRM)     650_(C-STRM)     CONDUIT           89.7    0.1506
0.0130
  C-STRM-49_(C-STRM) 541_(C-STRM)     540_(C-STRM)     CONDUIT           47.7    0.1508
0.0130
  C-STRM-50_(C-STRM) 540_(C-STRM)     536_(C-STRM)     CONDUIT           72.0    0.1500
0.0130
  C-STRM-51_(C-STRM) 536_(C-STRM)     532_(C-STRM)     CONDUIT           48.5    0.1505
0.0130
  C-STRM-52_(C-STRM) 532_(C-STRM)     528_(C-STRM)     CONDUIT           69.0    0.1507
0.0130
  C-STRM-53_(C-STRM) 528_(C-STRM)     525_(C-STRM)     CONDUIT           75.0    0.1493
0.0130
  C-STRM-57_(C-STRM) 503_(C-STRM)     502_(C-STRM)     CONDUIT           27.5    0.1489
0.0130
  C-STRM-60_(C-STRM) 644_(C-STRM)     643_(C-STRM)     CONDUIT           67.2    0.2486
0.0130
  C-STRM-62_(C-STRM) 520_(C-STRM)     519_(C-STRM)     CONDUIT           95.9    0.2003
0.0130
  C-STRM-63_(C-STRM) 519_(C-STRM)     518_(C-STRM)     CONDUIT           97.4    0.1498
0.0130
  C-STRM-64_(C-STRM) 522_(C-STRM)     EXD_1            CONDUIT           81.9    0.2504
0.0130
  C-STRM-76_(C-STRM) 525_(C-STRM)     MTD_(C-STRM)     CONDUIT           72.6    0.1998
0.0130
  C-STRM-77_(C-STRM) MTD_(C-STRM)     OVERFLOW_(C-STRM) CONDUIT           38.5    0.4986
0.0130
  C-STRM-78_(C-STRM) 502_(C-STRM)     MTD_(C-STRM)     CONDUIT           44.0    0.3003
0.0130
  C-STRM-79_(1)_(C-STRM) 604_(C-STRM)     603_(C-STRM)     CONDUIT           72.0    0.1000
0.0130
  C-STRM-79_(C-STRM) 605_(C-STRM)     604_(C-STRM)     CONDUIT           89.5    0.1508
0.0130
  C-STRM-8_(1)_(C-STRM) 514_(C-STRM)     513_(C-STRM)     CONDUIT           95.2    0.1997
0.0130
  C-STRM-8_(C-STRM) 515_(C-STRM)     514_(C-STRM)     CONDUIT           95.1    0.1997
0.0130
  C-STRM-80_(C-STRM) 603_(C-STRM)     602_(C-STRM)     CONDUIT           74.3    0.0996
0.0130
  C-STRM-81_(C-STRM) 602_(C-STRM)     601_(C-STRM)     CONDUIT           46.7    0.1007
0.0130
  C-STRM-82_(C-STRM) 601_(C-STRM)     POND_(C-STRM)    CONDUIT           33.0    0.1000
0.0130
  C-STRM-83_(1)_(C-STRM) 630A_(C-STRM)    630_(C-STRM)     CONDUIT           27.1    0.1513
0.0130
  C-STRM-84_(C-STRM) 622_(C-STRM)     619_(C-STRM)     CONDUIT           75.0    0.1493
0.0130
  C-STRM-87_(C-STRM) 645_(C-STRM)     644_(C-STRM)     CONDUIT           68.6    0.2494
0.0130
  CVR-C2            EXD_5             EXD_6             CONDUIT          19.8    0.8875
0.0130
  CVR-C3            EXD_8             EXD_9             CONDUIT          16.4    0.6114
0.0130
  CVR-C4            EXD_10            EXD_11            CONDUIT          25.4    0.6110
0.0130
  ST4-Pipe_-_(99)_(P-Stm) J74               ST4_108A_(P-Stm) CONDUIT           49.3    0.2840
0.0130
  W1                Filter_Bed        POND_(C-STRM)     CONDUIT           4.9    0.0063
0.0250
  OR1               POND_(C-STRM)     J74               ORIFICE
  OR2               POND_(C-STRM)     J74               ORIFICE
  W10               637_(C-STRM)      J35               WEIR
  W11               633_(C-STRM)      J49               WEIR
  W12               S_652-604         J47               WEIR
  W13               S_545-541         J3                WEIR
  W14               S_540-536         J3                WEIR
  W15               S_536-532         J4                WEIR
  W16               S_532-528         J5                WEIR
  W17               S_528-525         J6                WEIR
  W2                POND_(C-STRM)     OF1               WEIR
  W3                S_504-503         J47               WEIR
  W4                S_627-630         J23               WEIR
  W5                S_525-MTD         J13               WEIR
  W6                S_623-622         J31               WEIR
  W7                S_620-619         J61               WEIR
  W8                S_607-605         J50               WEIR
  W9                S_622-619         J31               WEIR
  C-STRM-108_(1)_(C-STRM) 633_(C-STRM)     634_(C-STRM)     OUTLET
  C-STRM-14_(1)_(C-STRM) S_607-605          605_(C-STRM)     OUTLET
  C-STRM-27_(C-STRM) S_623-622         622_(C-STRM)     OUTLET
  C-STRM-42_(C-STRM) S_545-541         541_(C-STRM)     OUTLET
  C-STRM-44_(1)_(C-STRM) S_525-MTD          525_(C-STRM)     OUTLET
  C-STRM-45_(1)_(C-STRM) S_620-619          619_(C-STRM)     OUTLET
  C-STRM-61_(C-STRM) 637_(C-STRM)      643_(C-STRM)     OUTLET
  C-STRM-71_(C-STRM) Industrial_South 647_(C-STRM)     OUTLET
  C-STRM-83_(C-STRM) Industrial_NORTH 630A_(C-STRM)    OUTLET
  C-STRM-93_(C-STRM) S_540-536         540_(C-STRM)     OUTLET
  C-STRM-96_(1)_(C-STRM) S_536-532          536_(C-STRM)     OUTLET
  C-STRM-97_(1)_(C-STRM) S_532-528          532_(C-STRM)     OUTLET
  C-STRM-98_(1)_(C-STRM) S_528-525          528_(C-STRM)     OUTLET
  OL1               J22               622_(C-STRM)      OUTLET
  OL10              Filter_Bed        POND_(C-STRM)     OUTLET
  OL11              J50               505_(C-STRM)      OUTLET
  OL12              J60               506_(C-STRM)      OUTLET
  OL13              J58               511_(C-STRM)      OUTLET
  OL14              J57               513_(C-STRM)      OUTLET
  OL15              J28               518_(C-STRM)      OUTLET
  OL16              J2                522_(C-STRM)      OUTLET
  OL17              J27               520_(C-STRM)      OUTLET
  OL18              J19               647_(C-STRM)      OUTLET
  OL19              J20               646_(C-STRM)      OUTLET
  OL2               J35               553_(C-STRM)      OUTLET
  OL20              S_504-503         504_(C-STRM)      OUTLET
  OL21              PARK              602_(C-STRM)      OUTLET
  OL22              J21               645_(C-STRM)      OUTLET
  OL3               J38               552_(C-STRM)      OUTLET
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OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET
OL6	Woodlot_North	626_(C-STRM)	OUTLET
OL7	S_627-630	627_(C-STRM)	OUTLET
OL8	S_652-604	652_(C-STRM)	OUTLET
OL9	J47	504_(C-STRM)	OUTLET

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-20_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm) CIRCULAR		0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1373	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2287	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9708	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4415	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4058	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1134	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772

0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912
0.3975	0.4038	0.4101	0.4147	0.4188
0.4228	0.4269	0.4309	0.4350	0.4390
0.4430	0.4471	0.4511	0.4552	0.4592
0.4633	0.4673	0.4719	0.4786	0.4852
0.4919	0.4986	0.5052	0.5119	0.5186
0.5252	0.5375	0.5591	0.5808	0.6126
0.6529	0.7560	0.7953	0.8372	1.0000

Transect Barnsdale_UPST5

Area:

0.0011	0.0046	0.0104	0.0185	0.0278
0.0383	0.0495	0.0612	0.0736	0.0865
0.1000	0.1141	0.1288	0.1443	0.1606
0.1778	0.1959	0.2143	0.2330	0.2518
0.2709	0.2903	0.3099	0.3296	0.3497
0.3699	0.3904	0.4111	0.4319	0.4530
0.4743	0.4958	0.5175	0.5395	0.5616
0.5839	0.6064	0.6292	0.6521	0.6753
0.6991	0.7235	0.7484	0.7740	0.8019
0.8364	0.8742	0.9142	0.9560	1.0000

Hrad:

0.0248	0.0493	0.0735	0.1040	0.1389
0.1735	0.2124	0.2498	0.2859	0.3209
0.3550	0.3881	0.4187	0.4434	0.4680
0.4924	0.5212	0.5606	0.5992	0.6372
0.6745	0.7111	0.7472	0.7827	0.8176
0.8520	0.8860	0.9202	0.9539	0.9872
1.0201	1.0525	1.0845	1.1162	1.1474
1.1784	1.2090	1.2392	1.2691	1.2876
1.2994	1.3117	1.3244	1.3163	1.1702
1.0461	1.0307	1.0260	1.0309	1.0000

Width:

0.0497	0.0999	0.1518	0.1903	0.2141
0.2355	0.2481	0.2607	0.2733	0.2859
0.2985	0.3111	0.3252	0.3438	0.3625
0.3813	0.3961	0.4010	0.4059	0.4108
0.4157	0.4206	0.4255	0.4303	0.4352
0.4401	0.4450	0.4494	0.4538	0.4583
0.4627	0.4672	0.4716	0.4761	0.4805
0.4850	0.4894	0.4938	0.4983	0.5078
0.5204	0.5330	0.5457	0.5684	0.6711
0.7919	0.8423	0.8866	0.9238	1.0000

Transect Barnsdale_UPST6

Area:

0.0014	0.0054	0.0102	0.0156	0.0217
0.0284	0.0356	0.0434	0.0517	0.0605
0.0698	0.0796	0.0899	0.1007	0.1121
0.1243	0.1373	0.1512	0.1656	0.1807
0.1962	0.2123	0.2291	0.2483	0.2703
0.2945	0.3189	0.3434	0.3680	0.3929
0.4178	0.4430	0.4687	0.4947	0.5212
0.5482	0.5760	0.6046	0.6335	0.6626
0.6921	0.7218	0.7518	0.7820	0.8133
0.8461	0.8801	0.9163	0.9564	1.0000

Hrad:

0.0226	0.0600	0.0982	0.1332	0.1659
0.1974	0.2291	0.2613	0.2925	0.3228
0.3524	0.3813	0.4096	0.4373	0.4557
0.4729	0.4908	0.5133	0.5388	0.5667
0.5954	0.6238	0.6186	0.5790	0.5404
0.5828	0.6246	0.6659	0.7067	0.7469
0.7867	0.8189	0.8502	0.8811	0.9116
0.9331	0.9497	0.9763	1.0109	1.0452
1.0791	1.1126	1.1458	1.1787	1.1574
1.1642	1.1570	1.1256	1.0602	1.0000

Width:

0.0656	0.0958	0.1094	0.1231	0.1368
0.1501	0.1622	0.1729	0.1837	0.1944
0.2052	0.2159	0.2267	0.2377	0.2539
0.2715	0.2891	0.3043	0.3175	0.3291
0.3399	0.3507	0.3819	0.4435	0.5186
0.5219	0.5251	0.5284	0.5317	0.5350
0.5382	0.5558	0.5647	0.5737	0.5827
0.5886	0.6068	0.6185	0.6243	0.6301
0.6359	0.6417	0.6475	0.6534	0.6932
0.7170	0.7512	0.8061	0.8978	1.0000

Transect Barnsdale_UPST7

Area:

0.0031	0.0077	0.0135	0.0206	0.0292
0.0385	0.0485	0.0590	0.0699	0.0811
0.0928	0.1047	0.1170	0.1297	0.1427
0.1561	0.1700	0.1843	0.1992	0.2145
0.2304	0.2467	0.2636	0.2810	0.3005
0.3224	0.3464	0.3708	0.3955	0.4204
0.4456	0.4710	0.4972	0.5239	0.5510
0.5784	0.6060	0.6340	0.6622	0.6907
0.7195	0.7487	0.7782	0.8081	0.8383
0.8691	0.9003	0.9322	0.9647	1.0000

Hrad:

0.0323	0.0624	0.0905	0.1084	0.1375
0.1686	0.1997	0.2314	0.2650	0.2977
0.3296	0.3608	0.3913	0.4212	0.4493
0.4751	0.5005	0.5247	0.5476	0.5703
0.5929	0.6154	0.6378	0.6601	0.5891
0.5938	0.5928	0.6266	0.6599	0.6927
0.7252	0.7501	0.7705	0.7948	0.8255
0.8559	0.8860	0.9157	0.9452	0.9727
1.0000	1.0270	1.0538	1.0784	1.1003
1.1221	1.1420	1.1557	1.1624	1.0000

Width:

0.0999	0.1304	0.1570	0.1994	0.2229
0.2396	0.2541	0.2664	0.2751	0.2837
0.2923	0.3010	0.3096	0.3183	0.3279
0.3390	0.3501	0.3618	0.3745	0.3872
0.3998	0.4124	0.4251	0.4377	0.5266
0.5610	0.6032	0.6092	0.6153	0.6213
0.6274	0.6399	0.6563	0.6692	0.6761
0.6830	0.6899	0.6967	0.7036	0.7118
0.7199	0.7281	0.7362	0.7458	0.7573
0.7688	0.7817	0.7991	0.8220	1.0000

Transect GBR

Area:

0.0002	0.0008	0.0018	0.0032	0.0051
0.0073	0.0099	0.0130	0.0164	0.0203
0.0245	0.0292	0.0343	0.0401	0.0532
0.0756	0.1002	0.1249	0.1496	0.1742
0.1989	0.2235	0.2482	0.2729	0.2975
0.3222	0.3468	0.3715	0.3962	0.4209
0.4460	0.4715	0.4974	0.5237	0.5505
0.5776	0.6051	0.6331	0.6614	0.6902
0.7193	0.7489	0.7789	0.8092	0.8400
0.8712	0.9028	0.9348	0.9672	1.0000

Hrad:

0.0148	0.0296	0.0444	0.0592	0.0741
0.0889	0.1037	0.1185	0.1333	0.1481
0.1629	0.1777	0.1925	0.1451	0.0889
0.0921	0.1222	0.1522	0.1821	0.2121
0.2420	0.2720	0.3019	0.3318	0.3616
0.3913	0.4211	0.4509	0.4809	0.5106
0.5398	0.5684	0.5963	0.6237	0.6505
0.6768	0.7026	0.7280	0.7529	0.7773
0.8013	0.8249	0.8480	0.8708	0.8932
0.9153	0.9369	0.9583	0.9793	1.0000

Width:

0.0123	0.0246	0.0369	0.0492	0.0614
0.0737	0.0860	0.0983	0.1106	0.1229
0.1352	0.1475	0.1598	0.2496	0.5446
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7542
0.7665	0.7788	0.7911	0.8034	0.8157
0.8280	0.8402	0.8525	0.8648	0.8771
0.8894	0.9017	0.9140	0.9263	0.9386
0.9508	0.9631	0.9754	0.9877	1.0000

Transect Pond_SpillWay

Area:

0.0040	0.0088	0.0142	0.0204	0.0274
0.0350	0.0434	0.0524	0.0622	0.0728
0.0840	0.0960	0.1087	0.1221	0.1362
0.1511	0.1666	0.1829	0.2000	0.2177
0.2362	0.2554	0.2753	0.2959	0.3173
0.3393	0.3621	0.3856	0.4099	0.4348
0.4600	0.4855	0.5113	0.5375	0.5640
0.5908	0.6180	0.6454	0.6732	0.7013
0.7297	0.7585	0.7875	0.8169	0.8466
0.8767	0.9070	0.9377	0.9687	1.0000

Hrad:

0.0187	0.0367	0.0543	0.0716	0.0888
0.1059	0.1230	0.1400	0.1570	0.1740
0.1910	0.2080	0.2251	0.2421	0.2592
0.2763	0.2935	0.3106	0.3278	0.3450
0.3622	0.3795	0.3967	0.4140	0.4313
0.4486	0.4660	0.4833	0.5007	0.5241
0.5500	0.5758	0.6013	0.6266	0.6517
0.6766	0.7013	0.7257	0.7498	0.7737
0.7974	0.8209	0.8441	0.8670	0.8898
0.9123	0.9345	0.9566	0.9784	1.0000

Width:

0.1394	0.1623	0.1853	0.2082	0.2311
0.2541	0.2770	0.2999	0.3229	0.3458
0.3687	0.3917	0.4146	0.4375	0.4605
0.4834	0.5063	0.5293	0.5522	0.5751
0.5981	0.6210	0.6439	0.6669	0.6898
0.7127	0.7357	0.7586	0.7815	0.7956
0.8159	0.8161	0.8263	0.8365	0.8467
0.8569	0.8672	0.8774	0.8876	0.8978
0.9080	0.9183	0.9285	0.9387	0.9489
0.9591	0.9693	0.9796	0.9898	1.0000

Transect ROW_14m

Area:

0.0004	0.0017	0.0038	0.0067	0.0104
0.0150	0.0204	0.0267	0.0338	0.0417
0.0504	0.0600	0.0704	0.0817	0.0938
0.1067	0.1204	0.1350	0.1504	0.1667
0.1838	0.2017	0.2204	0.2400	0.2605
0.2817	0.3038	0.3267	0.3502	0.3738
0.3973	0.4209	0.4446	0.4692	0.4952
0.5225	0.5510	0.5808	0.6118	0.6439
0.6767	0.7100	0.7440	0.7787	0.8140
0.8499	0.8865	0.9237	0.9615	1.0000

Hrad:

0.0169	0.0338	0.0507	0.0677	0.0846
0.1015	0.1184	0.1353	0.1522	0.1692
0.1861	0.2030	0.2199	0.2368	0.2537
0.2707	0.2876	0.3045	0.3214	0.3383
0.3552	0.3720	0.3891	0.4060	0.4229
0.4398	0.4567	0.4736	0.5027	0.5359
0.5691	0.6022	0.6353	0.6667	0.6957
0.7226	0.7474	0.7704	0.7918	0.8123
0.8326	0.8526	0.8721	0.8914	0.9103
0.9289	0.9471	0.9651	0.9827	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6200	0.6529	0.6857
0.7186	0.7514	0.7843	0.8171	0.8357
0.8521	0.8686	0.8850	0.9014	0.9179
0.9343	0.9507	0.9671	0.9836	1.0000

Transect ROW_14m_Mountable

Area:

0.0003	0.0012	0.0028	0.0049	0.0077
0.0111	0.0151	0.0197	0.0249	0.0307
0.0372	0.0442	0.0519	0.0602	0.0691
0.0787	0.0888	0.0996	0.1109	0.1229
0.1355	0.1487	0.1625	0.1770	0.1923
0.2092	0.2277	0.2477	0.2693	0.2924
0.3170	0.3433	0.3711	0.4004	0.4310
0.4626	0.4954	0.5293	0.5642	0.6002
0.6373	0.6755	0.7144	0.7538	0.7936
0.8340	0.8748	0.9160	0.9578	1.0000

Hrad:

0.0222	0.0445	0.0667	0.0889	0.1111
0.1334	0.1556	0.1778	0.2001	0.2223
0.2445	0.2667	0.2890	0.3112	0.3334
0.3556	0.3779	0.4001	0.4223	0.4446
0.4668	0.4890	0.5112	0.5335	0.5550
0.5733	0.5891	0.6029	0.6151	0.6263
0.6367	0.6465	0.6559	0.6653	0.6759
0.6872	0.6992	0.7116	0.7245	0.7378
0.7514	0.7663	0.7966	0.8266	0.8563
0.8856	0.9147	0.9434	0.9719	1.0000

Width:

0.0145	0.0290	0.0434	0.0579	0.0724
0.0869	0.1013	0.1158	0.1303	0.1448
0.1593	0.1737	0.1882	0.2027	0.2172
0.2316	0.2461	0.2606	0.2751	0.2896
0.3040	0.3185	0.3330	0.3475	0.3798
0.4164	0.4530	0.4897	0.5263	0.5629
0.5995	0.6362	0.6728	0.7080	0.7335
0.7591	0.7846	0.8102	0.8357	0.8613
0.8868	0.9114	0.9225	0.9336	0.9446
0.9557	0.9668	0.9779	0.9889	1.0000

Transect ROW_14m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0153	0.0209	0.0273	0.0345	0.0426
0.0516	0.0614	0.0721	0.0836	0.0959
0.1093	0.1232	0.1381	0.1539	0.1705
0.1880	0.2064	0.2255	0.2456	0.2665
0.2882	0.3108	0.3343	0.3583	0.3824
0.4065	0.4306	0.4548	0.4797	0.5055
0.5322	0.5598	0.5883	0.6176	0.6479
0.6791	0.7112	0.7441	0.7780	0.8127
0.8484	0.8850	0.9224	0.9608	1.0000

Hrad:

0.0166	0.0332	0.0498	0.0664	0.0830
0.0997	0.1163	0.1329	0.1495	0.1661
0.1827	0.1993	0.2159	0.2325	0.2491
0.2657	0.2823	0.2990	0.3156	0.3322
0.3488	0.3654	0.3820	0.3986	0.4152
0.4318	0.4484	0.4650	0.4935	0.5262
0.5588	0.5913	0.6238	0.6553	0.6853
0.7137	0.7407	0.7664	0.7909	0.8143
0.8366	0.8579	0.8783	0.8979	0.9166
0.9346	0.9519	0.9685	0.9845	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6160	0.6386	0.6612
0.6838	0.7063	0.7289	0.7515	0.7741
0.7967	0.8193	0.8419	0.8645	0.8871
0.9096	0.9322	0.9548	0.9774	1.0000

Transect ROW_14m-MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0407	0.0484	0.0568	0.0659	0.0757
0.0861	0.0972	0.1089	0.1214	0.1345
0.1483	0.1631	0.1791	0.1963	0.2146
0.2342	0.2549	0.2768	0.2999	0.3242

0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274
0.6618 0.6967 0.7326 0.7693 0.8064
0.8441 0.8823 0.9210 0.9603 1.0000

Hrad:
0.0198 0.0396 0.0594 0.0792 0.0990
0.1188 0.1386 0.1584 0.1782 0.1980
0.2178 0.2376 0.2574 0.2772 0.2971
0.3169 0.3367 0.3565 0.3763 0.3961
0.4159 0.4357 0.4520 0.4681 0.4834
0.4979 0.5119 0.5256 0.5389 0.5521
0.5650 0.5779 0.5907 0.6035 0.6162
0.6289 0.6560 0.6844 0.7123 0.7397
0.7667 0.7933 0.8190 0.8459 0.8726
0.8988 0.9247 0.9501 0.9752 1.0000

Width:
0.0168 0.0336 0.0504 0.0673 0.0841
0.1009 0.1177 0.1345 0.1513 0.1681
0.1849 0.2018 0.2186 0.2354 0.2522
0.2690 0.2858 0.3026 0.3195 0.3363
0.3552 0.3849 0.4146 0.4442 0.4739
0.5036 0.5332 0.5629 0.5926 0.6223
0.6519 0.6816 0.7113 0.7409 0.7706
0.8003 0.8150 0.8279 0.8407 0.8536
0.8664 0.8836 0.9093 0.9229 0.9357
0.9486 0.9614 0.9743 0.9871 1.0000

Transect ROW_16.5m_Mountable
Area:
0.0003 0.0012 0.0027 0.0048 0.0074
0.0107 0.0145 0.0190 0.0240 0.0297
0.0359 0.0428 0.0502 0.0582 0.0668
0.0760 0.0858 0.0962 0.1072 0.1188
0.1309 0.1437 0.1571 0.1710 0.1856
0.2012 0.2183 0.2369 0.2570 0.2786
0.3017 0.3263 0.3524 0.3800 0.4091
0.4397 0.4719 0.5055 0.5406 0.5772
0.6153 0.6544 0.6944 0.7354 0.7772
0.8199 0.8636 0.9082 0.9536 1.0000

Hrad:
0.0233 0.0465 0.0698 0.0931 0.1163
0.1396 0.1628 0.1861 0.2094 0.2326
0.2559 0.2792 0.3024 0.3257 0.3489
0.3722 0.3955 0.4187 0.4420 0.4653
0.4885 0.5118 0.5350 0.5583 0.5816
0.6036 0.6224 0.6386 0.6529 0.6657
0.6773 0.6882 0.6985 0.7084 0.7180
0.7275 0.7370 0.7464 0.7559 0.7655
0.7817 0.8084 0.8343 0.8597 0.8844
0.9085 0.9321 0.9552 0.9779 1.0000

Width:
0.0127 0.0254 0.0380 0.0507 0.0634
0.0761 0.0888 0.1014 0.1141 0.1268
0.1395 0.1522 0.1648 0.1775 0.1902
0.2029 0.2156 0.2283 0.2409 0.2536
0.2663 0.2790 0.2917 0.3043 0.3170
0.3491 0.3812 0.4132 0.4453 0.4774
0.5095 0.5415 0.5736 0.6057 0.6378
0.6698 0.7019 0.7340 0.7661 0.7981
0.8255 0.8448 0.8642 0.8836 0.9030
0.9224 0.9418 0.9612 0.9806 1.0000

Transect ROW_16.5m_PH3
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0154 0.0210 0.0275 0.0347 0.0429
0.0519 0.0618 0.0725 0.0841 0.0965
0.1098 0.1240 0.1390 0.1548 0.1716
0.1892 0.2076 0.2269 0.2471 0.2677
0.2884 0.3090 0.3297 0.3510 0.3731
0.3962 0.4201 0.4449 0.4705 0.4971
0.5245 0.5527 0.5819 0.6119 0.6428
0.6746 0.7073 0.7408 0.7752 0.8105
0.8466 0.8837 0.9216 0.9603 1.0000

Hrad:
0.0173 0.0347 0.0520 0.0694 0.0867
0.1041 0.1214 0.1388 0.1561 0.1735
0.1908 0.2082 0.2255 0.2429 0.2602
0.2776 0.2949 0.3123 0.3296 0.3470
0.3643 0.3817 0.3990 0.4164 0.4493
0.4834 0.5173 0.5513 0.5844 0.6155
0.6449 0.6727 0.6990 0.7239 0.7475
0.7699 0.7913 0.8116 0.8310 0.8496
0.8673 0.8843 0.9007 0.9164 0.9316
0.9462 0.9603 0.9739 0.9872 1.0000

Width:
0.0214 0.0428 0.0642 0.0856 0.1070
0.1284 0.1498 0.1712 0.1926 0.2140
0.2354 0.2568 0.2782 0.2996 0.3210
0.3424 0.3638 0.3852 0.4066 0.4280
0.4494 0.4708 0.4922 0.5136 0.5152
0.5152 0.5152 0.5200 0.5418 0.5636
0.5855 0.6073 0.6291 0.6509 0.6727
0.6945 0.7164 0.7382 0.7600 0.7818
0.8036 0.8255 0.8473 0.8691 0.8909
0.9127 0.9345 0.9564 0.9782 1.0000

Transect ROW_18m
Area:
0.0004 0.0016 0.0036 0.0064 0.0100
0.0144 0.0196 0.0255 0.0323 0.0399
0.0483 0.0575 0.0675 0.0782 0.0898
0.1022 0.1154 0.1293 0.1441 0.1597
0.1760 0.1932 0.2112 0.2299 0.2495
0.2698 0.2906 0.3114 0.3321 0.3529
0.3742 0.3967 0.4204 0.4452 0.4712
0.4983 0.5266 0.5560 0.5867 0.6184
0.6514 0.6855 0.7207 0.7571 0.7947
0.8335 0.8734 0.9144 0.9566 1.0000

Hrad:
0.0183 0.0366 0.0549 0.0732 0.0915
0.1098 0.1281 0.1464 0.1647 0.1829
0.2012 0.2195 0.2378 0.2561 0.2744
0.2927 0.3110 0.3293 0.3476 0.3659
0.3842 0.4025 0.4208 0.4391 0.4574
0.4757 0.5117 0.5476 0.5834 0.6192
0.6542 0.6864 0.7162 0.7437 0.7692
0.7927 0.8145 0.8348 0.8537 0.8713
0.8877 0.9031 0.9176 0.9313 0.9442
0.9565 0.9681 0.9792 0.9898 1.0000

Width:
0.0182 0.0363 0.0545 0.0726 0.0908
0.1090 0.1271 0.1453 0.1635 0.1816
0.1998 0.2179 0.2361 0.2543 0.2724
0.2906 0.3088 0.3269 0.3451 0.3632
0.3814 0.3996 0.4177 0.4359 0.4541
0.4722 0.4722 0.4722 0.4722 0.4722
0.4986 0.5250 0.5514 0.5778 0.6042
0.6306 0.6569 0.6833 0.7097 0.7361
0.7625 0.7889 0.8153 0.8417 0.8681
0.8944 0.9208 0.9472 0.9736 1.0000

Transect ROW_18m_MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:
0.0198 0.0396 0.0594 0.0793 0.0991
0.1189 0.1387 0.1585 0.1783 0.1982
0.2180 0.2378 0.2576 0.2774 0.2972
0.3166 0.3340 0.3498 0.3646 0.3786
0.3921 0.4053 0.4183 0.4311 0.4439
0.4566 0.4770 0.5054 0.5332 0.5603
0.5869 0.6122 0.6360 0.6586 0.6807
0.7040 0.7271 0.7499 0.7723 0.7944
0.8163 0.8378 0.8591 0.8800 0.9007
0.9211 0.9412 0.9611 0.9807 1.0000

Width:
0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_MB_2
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:
0.0198 0.0395 0.0593 0.0791 0.0989
0.1186 0.1384 0.1582 0.1780 0.1977
0.2175 0.2373 0.2571 0.2768 0.2966
0.3160 0.3333 0.3491 0.3638 0.3778
0.3913 0.4045 0.4174 0.4302 0.4430
0.4557 0.4760 0.5044 0.5321 0.5592
0.5857 0.6109 0.6347 0.6572 0.6793
0.7027 0.7258 0.7486 0.7711 0.7933
0.8152 0.8368 0.8581 0.8792 0.9000
0.9205 0.9408 0.9608 0.9805 1.0000

Width:
0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_Mountable
Area:
0.0003 0.0011 0.0026 0.0046 0.0072
0.0103 0.0140 0.0183 0.0232 0.0286
0.0346 0.0412 0.0484 0.0561 0.0644
0.0733 0.0827 0.0928 0.1034 0.1145
0.1263 0.1386 0.1515 0.1650 0.1799
0.1964 0.2143 0.2337 0.2546 0.2770
0.3009 0.3263 0.3532 0.3816 0.4115
0.4429 0.4758 0.5102 0.5459 0.5826
0.6202 0.6587 0.6981 0.7385 0.7797
0.8219 0.8651 0.9091 0.9541 1.0000

Hrad:
0.0235 0.0471 0.0706 0.0942 0.1177
0.1413 0.1648 0.1884 0.2119 0.2355
0.2590 0.2826 0.3061 0.3297 0.3532
0.3768 0.4003 0.4238 0.4474 0.4709
0.4945 0.5180 0.5416 0.5650 0.5852
0.6022 0.6168 0.6296 0.6410 0.6515
0.6613 0.6707 0.6799 0.6889 0.6979
0.7069 0.7161 0.7253 0.7478 0.7737
0.7989 0.8234 0.8474 0.8707 0.8935
0.9157 0.9375 0.9588 0.9796 1.0000

Width:
0.0124 0.0247 0.0371 0.0494 0.0618
0.0741 0.0865 0.0988 0.1112 0.1235
0.1359 0.1482 0.1606 0.1729 0.1853
0.1976 0.2100 0.2223 0.2347 0.2470
0.2594 0.2717 0.2841 0.3058 0.3381
0.3714 0.4027 0.4349 0.4672 0.4995
0.5318 0.5641 0.5964 0.6287 0.6610
0.6933 0.7255 0.7578 0.7807 0.8006
0.8206 0.8405 0.8604 0.8804 0.9003
0.9202 0.9402 0.9601 0.9801 1.0000

Transect ROW_18m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0154 0.0209 0.0273 0.0346 0.0427
0.0516 0.0614 0.0721 0.0836 0.0960
0.1092 0.1233 0.1382 0.1540 0.1707
0.1882 0.2065 0.2256 0.2447 0.2638
0.2830 0.3026 0.3232 0.3447 0.3670
0.3903 0.4144 0.4394 0.4653 0.4921
0.5197 0.5483 0.5777 0.6080 0.6392
0.6713 0.7043 0.7382 0.7729 0.8085
0.8451 0.8825 0.9208 0.9599 1.0000

Hrad:
0.0179 0.0359 0.0538 0.0717 0.0896
0.1076 0.1255 0.1434 0.1613 0.1793
0.1972 0.2151 0.2330 0.2510 0.2689
0.2868 0.3047 0.3227 0.3406 0.3585
0.3764 0.3944 0.4225 0.4577 0.4928
0.5279 0.5621 0.5942 0.6243 0.6525
0.6791 0.7042 0.7279 0.7504 0.7716
0.7918 0.8110 0.8292 0.8467 0.8634
0.8794 0.8948 0.9095 0.9238 0.9375
0.9508 0.9636 0.9761 0.9882 1.0000

Width:
0.0211 0.0421 0.0632 0.0843 0.1053
0.1264 0.1475 0.1685 0.1896 0.2107
0.2318 0.2528 0.2739 0.2950 0.3160
0.3371 0.3582 0.3792 0.4003 0.4214
0.4424 0.4635 0.4722 0.4722 0.4722
0.4752 0.4971 0.5190 0.5408 0.5627
0.5846 0.6064 0.6283 0.6502 0.6720
0.6939 0.7158 0.7376 0.7595 0.7813
0.8032 0.8251 0.8469 0.8688 0.8907
0.9125 0.9344 0.9563 0.9781 1.0000

Transect ROW_20m
Area:
0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0193 0.0253 0.0320 0.0395
0.0478 0.0568 0.0667 0.0774 0.0888
0.1011 0.1141 0.1279 0.1425 0.1579
0.1741 0.1911 0.2088 0.2274 0.2464
0.2654 0.2844 0.3034 0.3226 0.3431
0.3646 0.3874 0.4114 0.4365 0.4629
0.4904 0.5191 0.5490 0.5801 0.6123
0.6488 0.6804 0.7162 0.7532 0.7914
0.8307 0.8713 0.9130 0.9559 1.0000

Hrad:
0.0190 0.0380 0.0570 0.0760 0.0950
0.1141 0.1331 0.1521 0.1711 0.1901
0.2091 0.2281 0.2471 0.2661 0.2851
0.3041 0.3231 0.3422 0.3612 0.3802
0.3992 0.4182 0.4372 0.4562 0.4926
0.5299 0.5672 0.6043 0.6411 0.6750
0.7060 0.7344 0.7603 0.7841 0.8059
0.8259 0.8444 0.8615 0.8773 0.8920
0.9057 0.9186 0.9307 0.9421 0.9529
0.9632 0.9730 0.9823 0.9913 1.0000

Width:
0.0177 0.0353 0.0530 0.0707 0.0883
0.1060 0.1237 0.1413 0.1590 0.1767

0.1943	0.2120	0.2297	0.2473	0.2650
0.2827	0.3003	0.3180	0.3357	0.3533
0.3710	0.3887	0.4063	0.4240	0.4250
0.4250	0.4250	0.4250	0.4435	0.4700
0.4965	0.5230	0.5495	0.5760	0.6025
0.6290	0.6555	0.6820	0.7085	0.7350
0.7615	0.7880	0.8145	0.8410	0.8675
0.8940	0.9205	0.9470	0.9735	1.0000

Transect ROW_22m
Area:

0.0003	0.0014	0.0031	0.0055	0.0086
0.0124	0.0169	0.0221	0.0280	0.0346
0.0418	0.0498	0.0584	0.0678	0.0778
0.0885	0.0999	0.1120	0.1248	0.1383
0.1525	0.1674	0.1829	0.1992	0.2161
0.2337	0.2521	0.2711	0.2908	0.3119
0.3348	0.3594	0.3857	0.4133	0.4420
0.4717	0.5025	0.5343	0.5673	0.6013
0.6363	0.6725	0.7097	0.7479	0.7873
0.8277	0.8692	0.9117	0.9553	1.0000

Hrad:

0.0200	0.0399	0.0599	0.0798	0.0998
0.1198	0.1397	0.1597	0.1796	0.1996
0.2196	0.2395	0.2595	0.2794	0.2994
0.3194	0.3393	0.3593	0.3792	0.3992
0.4192	0.4391	0.4591	0.4790	0.4990
0.5190	0.5389	0.5589	0.5789	0.5976
0.6138	0.6280	0.6465	0.6764	0.7046
0.7312	0.7565	0.7804	0.8033	0.8250
0.8458	0.8656	0.8847	0.9030	0.9206
0.9376	0.9539	0.9698	0.9851	1.0000

Width:

0.0153	0.0306	0.0459	0.0612	0.0765
0.0918	0.1071	0.1224	0.1376	0.1529
0.1682	0.1835	0.1988	0.2141	0.2294
0.2447	0.2600	0.2753	0.2906	0.3059
0.3212	0.3365	0.3518	0.3671	0.3824
0.3976	0.4129	0.4282	0.4472	0.4861
0.5250	0.5640	0.5982	0.6218	0.6455
0.6691	0.6927	0.7164	0.7400	0.7636
0.7873	0.8109	0.8345	0.8582	0.8818
0.9055	0.9291	0.9527	0.9764	1.0000

Transect ROW_24m
Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0155	0.0211	0.0275	0.0348	0.0430
0.0520	0.0619	0.0726	0.0843	0.0967
0.1100	0.1234	0.1369	0.1503	0.1637
0.1772	0.1906	0.2040	0.2176	0.2324
0.2484	0.2655	0.2840	0.3036	0.3245
0.3466	0.3699	0.3945	0.4203	0.4473
0.4756	0.5050	0.5357	0.5677	0.6008
0.6352	0.6708	0.7077	0.7458	0.7851
0.8256	0.8674	0.9103	0.9546	1.0000

Hrad:

0.0217	0.0434	0.0652	0.0869	0.1086
0.1303	0.1520	0.1737	0.1955	0.2172
0.2389	0.2606	0.2823	0.3041	0.3258
0.3554	0.3581	0.4407	0.4831	0.5253
0.5674	0.6094	0.6512	0.6926	0.7297
0.7620	0.7900	0.8143	0.8353	0.8535
0.8693	0.8830	0.8951	0.9057	0.9151
0.9235	0.9311	0.9381	0.9445	0.9505
0.9561	0.9614	0.9666	0.9716	0.9764
0.9812	0.9859	0.9906	0.9953	1.0000

Width:

0.0187	0.0373	0.0560	0.0747	0.0933
0.1120	0.1307	0.1493	0.1680	0.1867
0.2053	0.2240	0.2427	0.2613	0.2800
0.2917	0.2917	0.2917	0.2917	0.2917
0.2917	0.2917	0.2917	0.3067	0.3333
0.3600	0.3867	0.4133	0.4400	0.4667
0.4933	0.5200	0.5467	0.5733	0.6000
0.6267	0.6533	0.6800	0.7067	0.7333
0.7600	0.7867	0.8133	0.8400	0.8667
0.8933	0.9200	0.9467	0.9733	1.0000

Transect ROW_24m_1
Area:

0.0002	0.0009	0.0020	0.0036	0.0057
0.0081	0.0111	0.0145	0.0183	0.0227
0.0279	0.0340	0.0410	0.0489	0.0577
0.0675	0.0781	0.0897	0.1021	0.1158
0.1311	0.1479	0.1664	0.1857	0.2058
0.2265	0.2480	0.2700	0.2929	0.3171
0.3426	0.3694	0.3976	0.4272	0.4579
0.4893	0.5214	0.5541	0.5875	0.6216
0.6564	0.6919	0.7280	0.7648	0.8023
0.8405	0.8794	0.9189	0.9591	1.0000

Hrad:

0.0217	0.0433	0.0650	0.0866	0.1083
0.1299	0.1516	0.1732	0.1949	0.2158
0.2334	0.2493	0.2650	0.2808	0.2970
0.3137	0.3309	0.3485	0.3666	0.3838
0.3990	0.4128	0.4110	0.4455	0.4784
0.5099	0.5402	0.5694	0.5973	0.6230
0.6462	0.6674	0.6867	0.7046	0.7237
0.7433	0.7628	0.7822	0.8014	0.8205
0.8393	0.8580	0.8765	0.8948	0.9128
0.9307	0.9483	0.9657	0.9830	1.0000

Width:

0.0110	0.0219	0.0329	0.0439	0.0549
0.0658	0.0768	0.0878	0.0987	0.1153
0.1372	0.1592	0.1811	0.2031	0.2250
0.2469	0.2689	0.2908	0.3130	0.3514
0.3898	0.4282	0.4619	0.4783	0.4948
0.5112	0.5277	0.5442	0.5692	0.6021
0.6350	0.6679	0.7008	0.7337	0.7531
0.7696	0.7860	0.8025	0.8190	0.8354
0.8519	0.8683	0.8848	0.9013	0.9177
0.9342	0.9506	0.9671	0.9835	1.0000

Transect ROW_24m_Parking
Area:

0.0004	0.0014	0.0032	0.0056	0.0088
0.0126	0.0172	0.0225	0.0285	0.0351
0.0425	0.0506	0.0594	0.0689	0.0790
0.0899	0.1015	0.1138	0.1268	0.1410
0.1566	0.1735	0.1918	0.2107	0.2304
0.2507	0.2716	0.2933	0.3156	0.3391
0.3638	0.3900	0.4174	0.4462	0.4758
0.5061	0.5371	0.5687	0.6010	0.6339
0.6675	0.7018	0.7367	0.7724	0.8086
0.8456	0.8832	0.9215	0.9604	1.0000

Hrad:

0.0204	0.0408	0.0612	0.0816	0.1020
0.1224	0.1428	0.1632	0.1836	0.2040
0.2244	0.2448	0.2652	0.2856	0.3060
0.3264	0.3469	0.3673	0.3877	0.4065
0.4232	0.4385	0.4621	0.4937	0.5239
0.5528	0.5805	0.6070	0.6326	0.6563
0.6776	0.6968	0.7143	0.7308	0.7488
0.7668	0.7846	0.8023	0.8198	0.8372
0.8543	0.8713	0.8880	0.9046	0.9210
0.9372	0.9532	0.9690	0.9846	1.0000

Width:

0.0176	0.0352	0.0528	0.0704	0.0880
0.1056	0.1231	0.1407	0.1583	0.1759
0.1935	0.2111	0.2287	0.2463	0.2639
0.2815	0.2991	0.3167	0.3384	0.3727
0.4069	0.4412	0.4667	0.4833	0.5000
0.5167	0.5333	0.5500	0.5708	0.6042
0.6375	0.6708	0.7042	0.7333	0.7500
0.7667	0.7833	0.8000	0.8167	0.8333
0.8500	0.8667	0.8833	0.9000	0.9167
0.9333	0.9500	0.9667	0.9833	1.0000

Transect ROW_26m
Area:

0.0003	0.0013	0.0030	0.0053	0.0083
0.0120	0.0164	0.0214	0.0270	0.0334
0.0404	0.0481	0.0564	0.0654	0.0751
0.0854	0.0964	0.1081	0.1205	0.1335
0.1472	0.1615	0.1765	0.1922	0.2086
0.2261	0.2453	0.2663	0.2888	0.3123
0.3369	0.3625	0.3892	0.4168	0.4456
0.4753	0.5061	0.5379	0.5707	0.6046
0.6395	0.6754	0.7124	0.7504	0.7894
0.8295	0.8705	0.9127	0.9558	1.0000

Hrad:

0.0209	0.0418	0.0627	0.0836	0.1045
0.1254	0.1463	0.1672	0.1880	0.2089
0.2298	0.2507	0.2716	0.2925	0.3134
0.3343	0.3552	0.3761	0.3970	0.4179
0.4388	0.4597	0.4806	0.5015	0.5223
0.5421	0.5589	0.5735	0.5992	0.6295
0.6579	0.6846	0.7097	0.7334	0.7558
0.7771	0.7974	0.8167	0.8352	0.8529
0.8699	0.8863	0.9021	0.9173	0.9321
0.9464	0.9604	0.9739	0.9871	1.0000

Width:

0.0149	0.0299	0.0448	0.0597	0.0747
0.0896	0.1045	0.1195	0.1344	0.1493
0.1643	0.1792	0.1941	0.2090	0.2240
0.2389	0.2538	0.2688	0.2837	0.2986
0.3136	0.3285	0.3434	0.3584	0.3733
0.4113	0.4493	0.4873	0.5154	0.5385
0.5615	0.5846	0.6077	0.6308	0.6538
0.6769	0.7000	0.7231	0.7462	0.7692
0.7923	0.8154	0.8385	0.8615	0.8846
0.9077	0.9308	0.9538	0.9769	1.0000

Transect Upstream1
Area:

0.0025	0.0106	0.0203	0.0306	0.0413
0.0526	0.0643	0.0765	0.0889	0.1016
0.1146	0.1277	0.1411	0.1547	0.1685
0.1826	0.1968	0.2113	0.2260	0.2410
0.2562	0.2716	0.2875	0.3036	0.3201
0.3370	0.3541	0.3718	0.3916	0.4132
0.4352	0.4574	0.4798	0.5024	0.5256
0.5499	0.5749	0.6004	0.6263	0.6529
0.6803	0.7086	0.7388	0.7719	0.8061
0.8411	0.8773	0.9158	0.9566	1.0000

Hrad:

0.0236	0.0542	0.0978	0.1394	0.1791
0.2172	0.2558	0.2953	0.3343	0.3743
0.4135	0.4519	0.4897	0.5268	0.5632
0.5991	0.6344	0.6691	0.7034	0.7372
0.7686	0.7966	0.8243	0.8517	0.8789
0.9059	0.9326	0.9395	0.8868	0.8707
0.9044	0.9376	0.9705	1.0029	1.0032
1.0093	1.0327	1.0560	1.0792	1.0918
1.1023	1.1020	1.0403	1.0362	1.0565
1.0711	1.0710	1.0500	1.0287	1.0000

Width:

0.1112	0.2068	0.2183	0.2299	0.2414
0.2530	0.2625	0.2696	0.2763	0.2812
0.2861	0.2910	0.2959	0.3008	0.3057
0.3106	0.3155	0.3204	0.3253	0.3301
0.3360	0.3434	0.3508	0.3582	0.3656
0.3731	0.3815	0.3971	0.4616	0.4787
0.4839	0.4890	0.4941	0.4992	0.5218
0.5423	0.5531	0.5639	0.5747	0.5916
0.6102	0.6359	0.7052	0.7403	0.7577
0.7795	0.8137	0.8682	0.9276	1.0000

Transect Upstream2
Area:

0.0010	0.0033	0.0061	0.0095	0.0135
0.0180	0.0231	0.0287	0.0349	0.0417
0.0491	0.0571	0.0658	0.0753	0.0857
0.0969	0.1089	0.1216	0.1350	0.1491
0.1643	0.1807	0.1983	0.2174	0.2378
0.2598	0.2837	0.3085	0.3337	0.3593
0.3851	0.4112	0.4375	0.4641	0.4910
0.5185	0.5468	0.5756	0.6049	0.6346
0.6647	0.6958	0.7278	0.7609	0.7954
0.8324	0.8717	0.9124	0.9551	1.0000

Hrad:

0.0245	0.0622	0.0947	0.1245	0.1527
0.1802	0.2071	0.2329	0.2579	0.2827
0.3074	0.3275	0.3469	0.3639	0.3812
0.4022	0.4237	0.4479	0.4730	0.4917
0.5021	0.5129	0.5218	0.5312	0.5437
0.5471	0.5612	0.5918	0.6316	0.6711
0.7100	0.7484	0.7864	0.8238	0.8538
0.8769	0.9017	0.9331	0.9642	0.9950
1.0193	1.0315	1.0445	1.0569	1.0476
1.0094	1.0241	1.0243	1.0266	1.0000

Width:

0.0422	0.0543	0.0664	0.0785	0.0905
0.1024	0.1141	0.1261	0.1385	0.1508
0.1631	0.1781	0.1939	0.2117	0.2302
0.2467	0.2633	0.2781	0.2924	0.3107
0.3356	0.3615	0.3904	0.4208	0.4502
0.4893	0.5205	0.5353	0.5411	0.5466
0.5522	0.5577	0.5632	0.5687	0.5793
0.5947	0.6089	0.6182	0.6274	0.6366
0.6500	0.6718	0.6936	0.7162	0.7558
0.8227	0.8489	0.8887	0.9286	1.0000

Transect Upstream3
Area:

0.0006	0.0023	0.0050	0.0083	0.0121
0.0165	0.0214	0.0269	0.0329	0.0397
0.0479	0.0574	0.0681	0.0800	0.0928
0.1066	0.1213	0.1370	0.1537	0.1724
0.1916	0.2133	0.2310	0.2512	0.2719
0.2933	0.3154	0.3379	0.3607	0.3838
0.4072	0.4308	0.4548	0.4792	0.5043
0.5302	0.5566	0.5834	0.6106	0.6382
0.6665	0.6955	0.7273	0.7625	0.7988
0.8362	0.8744	0.9141	0.9558	1.0000

Hrad:

0.0253	0.0506	0.0845	0.1172	0.1476
0.1766	0.2047	0.2322	0.2591	0.2672
0.2667	0.2864	0.3020	0.3243	0.3504
0.3762	0.4018	0.4273	0.4351	0.4545
0.4946	0.5339	0.5724	0.6101	0.6377
0.6626	0.6916	0.7293	0.7664	0.8029
0.8390	0.8745	0.9096	0.9307	0.9485
0.9716	1.0018	1.0317	1.0613	1.0906
1.1167	1.1229	1.0191	1.0199	1.0379
1.0594	1.0820	1.0709	1.0785	1.0000

Width:

0.0239	0.0478	0.0617	0.0733	0.0849
0.0965	0.1081	0.1196	0.1312	0.1535
0.1863	0.2081	0.2344	0.2566	0.2757
0.2950	0.3144	0.3339	0.3682	0.3946
0.4014	0.4082	0.4149	0.4217	0.4354
0.4510	0.4634	0.4693	0.4752	0.4811
0.4870	0.4929	0.4988	0.5128	0.5290
0.5420	0.5507	0.5594	0.5681	0.5768
0.5931	0.6096	0.7080	0.7423	0.7640
0.7831	0.8014	0.8479	0.8809	1.0000

Transect Upstream4
Area:

0.0018	0.0046	0.0083	0.0128	0.0180
0.0238	0.0302	0.0371	0.0448	0.0547
0.0662	0.0782	0.0907	0.1038	0.1174
0.1319	0.1472	0.1638	0.1825	0.2018
0.2212	0.2408	0.2608	0.2810	0.3017
0.3227	0.3453	0.3685	0.3919	0.4155
0.4393	0.4633	0.4875	0.5118	0.5364

	0.5615	0.5871	0.6133	0.6408	0.6690
	0.6977	0.7269	0.7568	0.7876	0.8192
	0.8516	0.8851	0.9205	0.9583	1.0000
Hrad:					
	0.0356	0.0671	0.0952	0.1219	0.1526
	0.1825	0.2111	0.2388	0.2457	0.2281
	0.2626	0.2959	0.3290	0.3614	0.3872
	0.4105	0.4302	0.4402	0.4405	0.4805
	0.5198	0.5573	0.5905	0.6232	0.6553
	0.6869	0.6742	0.7110	0.7474	0.7833
	0.8187	0.8537	0.8883	0.9224	0.9509
	0.9733	0.9956	1.0049	1.0036	1.0287
	1.0536	1.0784	1.0896	1.1008	1.1169
	1.1330	1.1274	1.1025	1.0707	1.0000
Width:					
	0.0541	0.0732	0.0923	0.1110	0.1246
	0.1374	0.1502	0.1630	0.1916	0.2527
	0.2652	0.2777	0.2895	0.3012	0.3179
	0.3368	0.3586	0.3902	0.4339	0.4377
	0.4416	0.4466	0.4547	0.4628	0.4709
	0.4791	0.5224	0.5268	0.5312	0.5356
	0.5400	0.5444	0.5488	0.5532	0.5611
	0.5729	0.5847	0.6049	0.6332	0.6440
	0.6548	0.6656	0.6857	0.7062	0.7236
	0.7412	0.7753	0.8268	0.8894	1.0000
Transect Upstream5					
Area:					
	0.0012	0.0039	0.0075	0.0122	0.0185
	0.0256	0.0332	0.0413	0.0500	0.0592
	0.0689	0.0792	0.0900	0.1012	0.1130
	0.1251	0.1375	0.1502	0.1632	0.1765
	0.1902	0.2041	0.2184	0.2330	0.2480
	0.2635	0.2798	0.2968	0.3145	0.3331
	0.3525	0.3727	0.3942	0.4178	0.4431
	0.4698	0.4988	0.5309	0.5639	0.5984
	0.6349	0.6722	0.7101	0.7485	0.7872
	0.8265	0.8666	0.9084	0.9530	1.0000
Hrad:					
	0.0281	0.0626	0.0927	0.1114	0.1369
	0.1752	0.2115	0.2463	0.2799	0.3124
	0.3424	0.3749	0.4068	0.4379	0.4694
	0.5056	0.5411	0.5759	0.6102	0.6439
	0.6771	0.7099	0.7421	0.7699	0.7956
	0.8104	0.8232	0.8370	0.8495	0.8616
	0.8746	0.8886	0.8484	0.8428	0.8418
	0.8363	0.8155	0.8068	0.8309	0.8203
	0.8497	0.8801	0.9176	0.9547	0.9913
	1.0230	1.0475	1.0267	1.0168	1.0000
Width:					
	0.0449	0.0640	0.0831	0.1124	0.1386
	0.1495	0.1603	0.1712	0.1820	0.1929
	0.2048	0.2146	0.2243	0.2341	0.2433
	0.2496	0.2559	0.2622	0.2684	0.2747
	0.2810	0.2873	0.2936	0.3016	0.3105
	0.3241	0.3390	0.3539	0.3698	0.3865
	0.4032	0.4199	0.4663	0.4984	0.5298
	0.5663	0.6178	0.6645	0.6844	0.7354
	0.7522	0.7679	0.7768	0.7857	0.7946
	0.8074	0.8259	0.8838	0.9366	1.0000
Transect Upstream6					
Area:					
	0.0020	0.0057	0.0101	0.0154	0.0216
	0.0285	0.0362	0.0446	0.0534	0.0628
	0.0726	0.0829	0.0939	0.1054	0.1174
	0.1299	0.1429	0.1564	0.1705	0.1850
	0.2000	0.2153	0.2310	0.2472	0.2637
	0.2808	0.2986	0.3172	0.3364	0.3564
	0.3786	0.4016	0.4255	0.4503	0.4760
	0.5026	0.5304	0.5593	0.5897	0.6214
	0.6541	0.6875	0.7215	0.7561	0.7915
	0.8280	0.8671	0.9077	0.9506	1.0000
Hrad:					
	0.0333	0.0728	0.1080	0.1404	0.1714
	0.2022	0.2321	0.2687	0.3047	0.3396
	0.3717	0.4020	0.4318	0.4612	0.4948
	0.5246	0.5534	0.5820	0.6106	0.6442
	0.6773	0.7100	0.7423	0.7742	0.8057
	0.8224	0.8398	0.8578	0.8777	0.8995
	0.8582	0.8792	0.8979	0.9152	0.9365
	0.9490	0.9612	0.9727	0.9697	0.9916
	1.0145	1.0496	1.0816	1.1092	1.1367
	1.1540	1.1196	1.1309	1.0883	1.0000
Width:					
	0.0616	0.0785	0.0947	0.1108	0.1267
	0.1418	0.1569	0.1666	0.1758	0.1850
	0.1952	0.2062	0.2171	0.2280	0.2365
	0.2466	0.2570	0.2674	0.2776	0.2853
	0.2930	0.3007	0.3084	0.3161	0.3238
	0.3379	0.3520	0.3661	0.3797	0.4163
	0.4379	0.4535	0.4707	0.4888	0.5050
	0.5264	0.5485	0.5718	0.6051	0.6237
	0.6417	0.6518	0.6637	0.6783	0.6930
	0.7329	0.7718	0.8002	0.8718	1.0000

```
***************
Analysis Options
***************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff ........  YES
  RDII ...................  NO
  Snowmelt ...............  NO
  Groundwater ............  NO
  Flow Routing ...........  YES
  Ponding Allowed ........  NO
  Water Quality ..........  NO
Infiltration Method ......  HORTON
Flow Routing Method ......  DYNWAVE
Surcharge Method .........  EXTRAN
Starting Date ............  01/01/2000 00:00:00
Ending Date ..............  01/02/2000 00:00:00
Antecedent Dry Days ......  0.0
Report Time Step .........  00:01:00
Wet Time Step ............  00:01:00
Dry Time Step ............  00:01:00
Routing Time Step ........  1.00 sec
Variable Time Step .......  YES
Maximum Trials ...........  8
Number of Threads ........  18
Head Tolerance ...........  0.001500 m
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Total Precipitation	7.187	86.049
Evaporation Loss	0.000	0.000
Infiltration Loss	2.097	25.105
Surface Runoff	5.009	59.968
Final Storage	0.087	1.037
Continuity Error (%)	-0.071	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	5.009	50.090
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.050	0.503
External Outflow	4.031	40.309
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.106	1.058
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.924	9.236
Continuity Error (%)	-0.020	

```
*************************
Highest Continuity Errors
*************************
Node J45 (9.63%)
Node J36 (4.13%)
Node J22 (2.56%)
Node 554_(C-STRM) (2.51%)
Node 514_(C-STRM) (1.77%)


****************************
Time-Step Critical Elements
****************************
None


*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-83_(C-STRM) (15)
Link C-STRM-71_(C-STRM) (9)
Link OL3 (9)
Link OL22 (9)
Link OL15 (7)


*********************************
Most Frequent Nonconverging Nodes
*********************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.49 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
     1.000 -  0.871 sec     :    99.73 %
     0.871 -  0.758 sec     :     0.06 %
     0.758 -  0.660 sec     :     0.04 %
     0.660 -  0.574 sec     :     0.04 %
     0.574 -  0.500 sec     :     0.12 %


***************************
Subcatchment Runoff Summary
***************************
```

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Runoff Coeff
A15_1	86.05	0.00	0.00	62.45	16.03	6.26	22.29	0.29	0.13	0.259
A15_2	86.05	0.00	0.00	64.20	16.03	4.52	20.55	0.44	0.19	0.239
A18	86.05	0.00	0.00	28.78	33.10	23.64	56.74	0.34	0.27	0.659
A19	86.05	0.00	0.00	38.47	18.89	28.39	47.27	0.52	0.34	0.549
A20	86.05	0.00	0.00	68.45	7.08	9.28	16.36	0.79	0.26	0.190
NULL3	86.05	0.00	0.00	7.63	70.50	6.74	77.24	0.44	0.33	0.898
S1	86.05	0.00	0.00	19.77	54.37	49.05	65.37	4.26	3.59	0.760
S1_1	86.05	0.00	0.00	14.43	60.43	22.29	70.63	0.07	0.05	0.821
S1_2	86.05	0.00	0.00	14.45	60.44	22.26	70.61	0.10	0.08	0.821
S10_1	86.05	0.00	0.00	19.77	54.37	49.05	65.37	1.21	1.02	0.760
S10_2	86.05	0.00	0.00	19.77	54.37	49.05	65.37	1.39	1.18	0.760
S10_4	86.05	0.00	0.00	19.77	54.37	49.05	65.37	0.48	0.41	0.760
S10_5	86.05	0.00	0.00	19.77	54.37	49.05	65.37	0.83	0.70	0.760
S11	86.05	0.00	0.00	53.38	0.00	32.68	32.68	1.08	0.39	0.380
S12	86.05	0.00	0.00	14.48	60.44	22.23	70.59	0.31	0.25	0.820
S14_1	86.05	0.00	0.00	14.50	60.44	22.20	70.56	0.43	0.35	0.820
S14_3	86.05	0.00	0.00	14.58	60.43	22.12	70.46	0.75	0.61	0.819
S14_4	86.05	0.00	0.00	14.54	60.43	22.16	70.51	0.22	0.18	0.819
S14_5	86.05	0.00	0.00	14.57	60.43	22.13	70.48	1.19	0.97	0.819
S14_6	86.05	0.00	0.00	14.53	60.43	22.18	70.53	0.20	0.16	0.820
S14_7	86.05	0.00	0.00	14.54	60.43	22.16	70.51	0.84	0.69	0.819
S14_8	86.05	0.00	0.00	14.54	60.43	22.16	70.50	0.30	0.25	0.819
S15	86.05	0.00	0.00	19.77	54.37	49.05	65.37	1.07	0.90	0.760
S16_1	86.05	0.00	0.00	0.00	84.47	0.00	84.47	0.39	0.22	0.982
S16_2	86.05	0.00	0.00	0.00	84.40	0.00	84.40	0.83	0.35	0.981
S17	86.05	0.00	0.00	65.71	2.82	20.29	20.29	1.27	0.23	0.236
S18_2	86.05	0.00	0.00	18.34	56.79	49.72	66.76	2.24	1.88	0.776
S18_3	86.05	0.00	0.00	18.34	56.79	49.72	66.76	1.11	0.93	0.776
S18_4	86.05	0.00	0.00	18.34	56.79	49.72	66.76	0.58	0.49	0.776
S18_5	86.05	0.00	0.00	18.34	56.79	49.72	66.76	1.22	1.02	0.776
S18_6	86.05	0.00	0.00	18.34	56.79	49.72	66.76	0.56	0.47	0.776
S19	86.05	0.00	0.00	14.54	60.43	22.17	70.52	0.68	0.56	0.819
S2	86.05	0.00	0.00	14.56	60.43	22.15	70.49	0.26	0.21	0.819
S2_1	86.05	0.00	0.00	18.34	56.79	49.72	66.76	2.10	1.76	0.776
S2_2	86.05	0.00	0.00	18.34	56.79	49.72	66.76	0.68	0.57	0.776
S20_1	86.05	0.00	0.00	14.50	60.44	22.21	70.56	0.32	0.26	0.820
S20_2	86.05	0.00	0.00	14.51	60.44	22.20	70.55	0.17	0.14	0.820
S3	86.05	0.00	0.00	19.77	54.37	49.05	65.37	1.39	1.17	0.760
S32_1	86.05	0.00	0.00	14.47	60.44	22.24	70.59	0.30	0.25	0.820
S32_2	86.05	0.00	0.00	19.77	54.37	49.05	65.37	0.10	0.09	0.760
S36	86.05	0.00	0.00	0.00	84.33	0.00	84.33	1.53	0.52	0.980

S4			86.05	0.00	0.00	7.30	72.41	4.99
77.40	10.23	6.03	0.900					
S5			86.05	0.00	0.00	6.86	72.44	5.43
77.87	2.49	1.72	0.905					
S6			86.05	0.00	0.00	20.92	48.35	25.68
64.36	0.22	0.19	0.748					
S7			86.05	0.00	0.00	6.83	72.44	5.47
77.91	3.10	2.17	0.905					
S8			86.05	0.00	0.00	36.34	30.20	49.19
49.19	0.79	0.37	0.572					

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Node Depth Summary
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Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.21	104.60	0 01:10	0.21
EXD_10	JUNCTION	0.05	0.45	99.10	0 01:18	0.45
EXD_11	JUNCTION	0.04	0.33	98.83	0 01:16	0.33
EXD_12	JUNCTION	0.06	0.48	98.79	0 01:15	0.48
EXD_13	JUNCTION	0.01	0.21	104.54	0 01:11	0.21
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.04	0.57	100.84	0 01:10	0.57
EXD_16	JUNCTION	0.03	0.21	100.41	0 01:12	0.21
EXD_17	JUNCTION	0.03	0.19	100.08	0 01:14	0.19
EXD_18	JUNCTION	0.02	0.29	99.69	0 01:21	0.29
EXD_19	JUNCTION	0.04	0.49	99.69	0 01:20	0.49
EXD_2	JUNCTION	0.03	0.32	103.79	0 01:12	0.32
EXD_20	JUNCTION	0.05	0.50	99.68	0 01:20	0.50
EXD_21	JUNCTION	0.04	0.33	99.51	0 01:20	0.33
EXD_22	JUNCTION	0.03	0.22	99.37	0 01:22	0.22
EXD_23	JUNCTION	0.05	0.34	99.09	0 01:26	0.34
EXD_24	JUNCTION	0.02	0.31	98.98	0 01:23	0.31
EXD_25	JUNCTION	0.05	0.45	98.97	0 01:24	0.45
EXD_26	JUNCTION	0.02	0.23	98.71	0 01:23	0.22
EXD_27	JUNCTION	0.05	0.39	98.56	0 01:20	0.39
EXD_3	JUNCTION	0.01	0.18	103.37	0 01:13	0.18
EXD_4	JUNCTION	0.01	0.18	102.82	0 01:14	0.18
EXD_5	JUNCTION	0.01	0.30	102.79	0 01:15	0.30
EXD_6	JUNCTION	0.01	0.17	102.49	0 01:16	0.17
EXD_7	JUNCTION	0.02	0.22	101.72	0 01:19	0.22
EXD_8	JUNCTION	0.08	1.02	101.50	0 01:35	1.02
EXD_9	JUNCTION	0.03	0.23	100.62	0 01:37	0.23
J1	JUNCTION	0.00	0.26	103.71	0 01:19	0.26
J13	JUNCTION	0.02	0.38	103.68	0 01:20	0.38
J17	JUNCTION	0.01	0.21	104.58	0 01:10	0.21
J19	JUNCTION	0.00	0.10	105.70	0 01:11	0.10
J2	JUNCTION	0.00	0.07	109.07	0 01:10	0.07
J20	JUNCTION	0.00	0.12	105.62	0 01:10	0.12
J21	JUNCTION	0.00	0.10	106.00	0 01:17	0.10
J22	JUNCTION	0.00	0.11	106.11	0 01:14	0.11
J23	JUNCTION	0.00	0.08	106.28	0 01:12	0.08
J27	JUNCTION	0.00	0.13	109.13	0 01:10	0.13
J28	JUNCTION	0.00	0.19	108.99	0 01:11	0.19
J3	JUNCTION	0.00	0.20	103.90	0 01:11	0.20
J31	JUNCTION	0.00	0.22	106.22	0 01:12	0.22
J35	JUNCTION	0.00	0.21	104.91	0 01:12	0.21
J36	JUNCTION	0.00	0.10	105.03	0 01:14	0.10
J37	JUNCTION	0.00	0.22	104.87	0 01:15	0.22
J38	JUNCTION	0.00	0.26	104.86	0 01:15	0.26
J39	JUNCTION	0.01	0.26	104.71	0 01:16	0.26
J4	JUNCTION	0.00	0.24	103.84	0 01:11	0.24
J40	JUNCTION	0.01	0.42	103.62	0 01:16	0.42
J42	JUNCTION	0.00	0.23	104.43	0 01:16	0.23
J43	JUNCTION	0.00	0.18	104.68	0 01:14	0.18
J45	JUNCTION	0.00	0.09	104.69	0 01:15	0.09
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.17	105.92	0 01:13	0.17
J49	JUNCTION	0.01	0.19	105.49	0 01:14	0.19
J5	JUNCTION	0.00	0.28	103.78	0 01:12	0.28
J50	JUNCTION	0.00	0.16	106.78	0 01:14	0.16
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.06	108.53	0 01:11	0.06
J57	JUNCTION	0.00	0.13	108.53	0 01:11	0.13
J58	JUNCTION	0.00	0.14	108.14	0 01:10	0.14
J6	JUNCTION	0.00	0.30	103.73	0 01:13	0.30
J60	JUNCTION	0.00	0.11	107.11	0 01:10	0.11
J61	JUNCTION	0.00	0.16	106.66	0 01:11	0.15
J62	JUNCTION	0.00	0.22	105.92	0 01:13	0.22
J63	JUNCTION	0.00	0.09	105.29	0 01:12	0.09
J66	JUNCTION	0.00	0.14	107.89	0 01:11	0.14
J67	JUNCTION	0.00	0.12	107.62	0 01:13	0.12
J74	JUNCTION	0.44	1.27	99.72	0 01:35	1.27
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.04	0.36	98.36	0 01:20	0.36
ST4_108A_(P-Stm)	OUTFALL	0.22	1.69	99.71	0 01:35	1.69
500_(C-STRM)	STORAGE	0.34	0.65	101.02	0 01:20	0.65
502_(C-STRM)	STORAGE	0.14	1.81	102.38	0 01:31	1.81
503_(C-STRM)	STORAGE	0.13	1.93	102.55	0 01:31	1.93
504_(C-STRM)	STORAGE	0.35	1.34	102.01	0 01:31	1.33
505_(C-STRM)	STORAGE	0.35	1.65	105.13	0 01:31	1.65
506_(C-STRM)	STORAGE	0.35	1.84	105.67	0 01:30	1.82
507_(C-STRM)	STORAGE	0.35	1.87	106.04	0 01:31	1.87
508_(C-STRM)	STORAGE	0.35	1.99	106.38	0 01:31	1.99
509_(C-STRM)	STORAGE	0.35	2.10	106.72	0 01:31	2.10
510_(C-STRM)	STORAGE	0.35	2.12	106.99	0 01:30	2.11
511_(C-STRM)	STORAGE	0.35	2.13	107.07	0 01:30	2.12
512_(C-STRM)	STORAGE	0.35	2.22	107.36	0 01:30	2.21
513_(C-STRM)	STORAGE	0.35	2.21	107.48	0 01:30	2.20
514_(C-STRM)	STORAGE	0.32	1.88	107.49	0 01:30	1.86
515_(C-STRM)	STORAGE	0.31	1.62	107.50	0 01:31	1.62
516_(C-STRM)	STORAGE	0.35	2.21	107.69	0 01:29	2.21
517_(C-STRM)	STORAGE	0.36	2.29	107.93	0 01:29	2.29
518_(C-STRM)	STORAGE	0.37	2.54	108.41	0 01:28	2.53
519_(C-STRM)	STORAGE	0.35	2.32	108.42	0 01:24	2.32
520_(C-STRM)	STORAGE	0.34	2.19	108.55	0 01:23	2.16
522_(C-STRM)	STORAGE	0.31	0.65	104.95	0 01:18	0.65
525_(C-STRM)	STORAGE	0.14	1.81	102.39	0 01:32	1.81
528_(C-STRM)	STORAGE	0.11	1.95	102.65	0 01:32	1.95
532_(C-STRM)	STORAGE	0.09	2.00	102.80	0 01:33	2.00
536_(C-STRM)	STORAGE	0.09	1.99	102.94	0 01:33	1.99
540_(C-STRM)	STORAGE	0.38	2.24	103.07	0 01:33	2.24
541_(C-STRM)	STORAGE	0.37	2.22	103.13	0 01:33	2.22
551_(C-STRM)	STORAGE	0.35	1.78	102.46	0 01:32	1.78
552_(C-STRM)	STORAGE	0.35	1.76	102.53	0 01:32	1.76
553_(C-STRM)	STORAGE	0.34	1.64	102.60	0 01:33	1.64
554_(C-STRM)	STORAGE	0.32	1.53	102.60	0 01:33	1.53
555_(C-STRM)	STORAGE	0.31	1.33	102.61	0 01:33	1.33
556_(C-STRM)	STORAGE	0.30	1.21	102.61	0 01:33	1.21
601_(C-STRM)	STORAGE	0.18	1.26	101.69	0 01:37	1.26
602_(C-STRM)	STORAGE	0.19	1.81	102.29	0 01:37	1.81
603_(C-STRM)	STORAGE	0.17	1.91	102.46	0 01:36	1.91
604_(C-STRM)	STORAGE	0.17	2.22	102.85	0 01:36	2.22
605_(C-STRM)	STORAGE	0.35	1.59	102.97	0 01:36	1.59
619_(C-STRM)	STORAGE	0.16	2.91	104.04	0 01:35	2.91
622_(C-STRM)	STORAGE	0.17	3.16	104.80	0 01:35	3.16
626_(C-STRM)	STORAGE	0.32	1.23	105.22	0 01:36	1.22
627_(C-STRM)	STORAGE	0.35	1.85	105.04	0 01:35	1.85
629_(C-STRM)	STORAGE	0.16	2.86	104.57	0 01:35	2.86
630_(C-STRM)	STORAGE	0.15	2.91	104.75	0 01:35	2.91
630A_(C-STRM)	STORAGE	0.15	2.93	104.80	0 01:34	2.93
633_(C-STRM)	STORAGE	0.00	0.19	105.49	0 01:14	0.19
634_(C-STRM)	STORAGE	0.38	2.67	104.56	0 01:35	2.67
637_(C-STRM)	STORAGE	0.00	0.24	105.59	0 01:12	0.24
643_(C-STRM)	STORAGE	0.37	2.66	104.73	0 01:35	2.66
644_(C-STRM)	STORAGE	0.35	2.24	104.78	0 01:34	2.24
645_(C-STRM)	STORAGE	0.11	2.60	104.90	0 01:34	2.60
646_(C-STRM)	STORAGE	0.11	2.59	105.02	0 01:34	2.59
647_(C-STRM)	STORAGE	0.11	2.54	105.11	0 01:34	2.54
650_(C-STRM)	STORAGE	0.15	2.61	103.60	0 01:36	2.61
651_(C-STRM)	STORAGE	0.15	2.48	103.36	0 01:36	2.48
652_(C-STRM)	STORAGE	0.16	2.39	103.26	0 01:36	2.39
Filter_Bed	STORAGE	0.38	1.00	101.10	0 01:18	1.00
Industrial_NORTH	STORAGE	0.01	0.40	105.60	0 01:22	0.40
Industrial_South	STORAGE	0.01	0.46	105.46	0 01:21	0.46
MTD_(C-STRM)	STORAGE	0.24	1.68	102.04	0 01:31	1.68
OVERFLOW_(C-STRM)	STORAGE	0.35	1.07	101.24	0 01:20	1.07
PARK	STORAGE	0.01	0.22	105.58	0 01:37	0.22
POND_(C-STRM)	STORAGE	1.91	2.53	100.98	0 02:14	2.53
S_504-503	STORAGE	0.00	0.17	105.92	0 01:13	0.17
S_525-MTD	STORAGE	0.00	0.23	103.68	0 01:20	0.23
S_528-525	STORAGE	0.00	0.22	103.72	0 01:12	0.22
S_532-528	STORAGE	0.00	0.18	103.83	0 01:10	0.18
S_536-532	STORAGE	0.01	0.28	103.98	0 01:10	0.28
S_540-536	STORAGE	0.00	0.24	104.09	0 01:10	0.23
S_545-541	STORAGE	0.00	0.25	104.15	0 01:12	0.25
S_607-605	STORAGE	0.01	0.28	108.18	0 01:14	0.28
S_620-619	STORAGE	0.00	0.27	107.17	0 01:11	0.27
S_622-619	STORAGE	0.00	0.22	106.22	0 01:13	0.22
S_623-622	STORAGE	0.01	0.29	106.79	0 01:11	0.29
S_627-630	STORAGE	0.00	0.17	106.87	0 01:10	0.17
S_652-604	STORAGE	0.00	0.22	106.07	0 01:11	0.22
Woodlot_North	STORAGE	0.02	0.42	107.17	0 01:55	0.42

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.247	0 01:10	0	0.307	-0.039
EXD_10	JUNCTION	0.747	0.979	0 01:10	1.93	4.62	-0.109
EXD_11	JUNCTION	0.000	0.914	0 01:18	0	4.63	0.006
EXD_12	JUNCTION	0.191	1.031	0 01:15	0.442	5.07	-0.001
EXD_13	JUNCTION	0.000	0.243	0 01:10	0	0.308	-0.258
EXD_14	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.257	0.257	0 01:10	0.791	0.791	-0.001
EXD_16	JUNCTION	0.000	0.148	0 01:10	0	0.791	-0.049
EXD_17	JUNCTION	0.000	0.147	0 01:12	0	0.791	-0.084
EXD_18	JUNCTION	0.000	0.145	0 01:14	0	0.792	0.263
EXD_19	JUNCTION	0.000	0.150	0 01:23	0	0.826	-0.094
EXD_2	JUNCTION	0.000	0.236	0 01:11	0	0.308	0.274
EXD_20	JUNCTION	0.340	0.340	0 01:10	0.523	1.35	-0.007
EXD_21	JUNCTION	0.000	0.302	0 01:20	0	1.31	-0.033
EXD_22	JUNCTION	0.000	0.302	0 01:20	0	1.31	-0.120
EXD_23	JUNCTION	0.000	0.300	0 01:22	0	1.32	0.241
EXD_24	JUNCTION	0.000	0.297	0 01:26	0	1.32	0.068
EXD_25	JUNCTION	0.273	0.377	0 01:24	0.337	1.66	-0.011
EXD_26	JUNCTION	0.000	0.443	0 01:24	0	1.65	0.032
EXD_27	JUNCTION	0.329	1.458	0 01:19	0.436	7.16	-0.012
EXD_3	JUNCTION	0.000	0.215	0 01:13	0	0.308	0.155
EXD_4	JUNCTION	0.000	0.212	0 01:14	0	0.307	0.036
EXD_5	JUNCTION	0.000	0.210	0 01:14	0	0.307	0.010
EXD_6	JUNCTION	0.000	0.209	0 01:15	0	0.307	-0.657
EXD_7	JUNCTION	0.232	0.412	0 01:16	1.27	1.58	0.233
EXD_8	JUNCTION	0.484	0.709	0 01:17	1.13	2.7	-0.035
EXD_9	JUNCTION	0.000	0.446	0 01:35	0	2.7	0.220
J1	JUNCTION	0.000	0.534	0 01:16	0	0.155	7.206
J13	JUNCTION	0.000	2.820	0 01:12	0	2.12	-0.703
J17	JUNCTION	0.000	0.246	0 01:10	0	0.307	-0.040
J19	JUNCTION	0.054	0.250	0 01:10	0.0662	0.249	0.162
J2	JUNCTION	0.252	0.252	0 01:10	0.307	0.307	-0.116
J20	JUNCTION	0.214	0.270	0 01:10	0.262	0.37	-0.992
J21	JUNCTION	0.080	0.154	0 01:15	0.0982	0.183	-0.192
J22	JUNCTION	0.000	0.157	0 01:12	0	0.0871	2.629
J23	JUNCTION	0.000	0.254	0 01:10	0	0.124	-0.233
J27	JUNCTION	0.349	0.349	0 01:10	0.426	0.426	-3.274
J28	JUNCTION	0.968	1.167	0 01:10	1.19	1.31	0.151
J3	JUNCTION	0.000	1.116	0 01:11	0	0.837	-0.003
J31	JUNCTION	0.000	1.920	0 01:11	0	1.31	-0.065
J35	JUNCTION	0.558	1.205	0 01:10	0.684	1.44	-0.819
J36	JUNCTION	0.000	0.196	0 01:12	0	0.197	4.308
J37	JUNCTION	0.000	0.945	0 01:11	0	0.839	0.292
J38	JUNCTION	0.137	2.770	0 01:14	0.167	2.51	-0.210
J39	JUNCTION	0.000	2.709	0 01:15	0	2.34	0.379
J4	JUNCTION	0.000	1.751	0 01:11	0	1.21	0.005
J40	JUNCTION	0.000	5.701	0 01:16	0	6.19	-0.029
J42	JUNCTION	0.261	4.580	0 01:15	0.318	4.51	-0.233
J43	JUNCTION	0.247	1.998	0 01:13	0.301	2.18	-0.191
J45	JUNCTION	0.000	0.092	0 01:11	0	0.0261	10.650
J46	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J47	JUNCTION	0.177	1.984	0 01:12	0.217	2.06	0.004
J49	JUNCTION	0.000	1.926	0 01:13	0	1.51	0.273
J5	JUNCTION	0.000	2.001	0 01:12	0	1.37	-0.007

J50	JUNCTION	0.246	1.445	0	01:13	0.301	1.73	
0.239								
J51	JUNCTION	0.000	0.000	0	00:00	0	0	
0.000 ltr								
J52	JUNCTION	0.000	0.000	0	00:00	0	0	
0.000 ltr								
J55	JUNCTION	0.000	0.000	0	00:00	0	0	
0.000 ltr								
J56	JUNCTION	0.000	0.016	0	01:08	0	0.0042	
12.654								
J57	JUNCTION	0.608	1.000	0	01:10	0.748	1.08	
0.724								
J58	JUNCTION	0.160	0.648	0	01:10	0.196	0.642	-
0.393								
J6	JUNCTION	0.000	2.370	0	01:12	0	1.67	-
0.002								
J60	JUNCTION	0.688	1.031	0	01:10	0.842	1.31	-
0.854								
J61	JUNCTION	0.000	0.989	0	01:10	0	0.669	-
0.385								
J62	JUNCTION	0.000	1.815	0	01:13	0	1.31	
0.441								
J63	JUNCTION	0.000	0.203	0	01:11	0	0.198	
0.538								
J66	JUNCTION	0.000	0.578	0	01:11	0	0.48	
0.000								
J67	JUNCTION	0.000	0.572	0	01:12	0	0.48	
1.555								
J74	JUNCTION	0.000	0.495	0	02:14	0	26.7	
0.036								
OF1	OUTFALL	0.000	1.270	0	02:14	0	6.22	
0.000								
OF2	OUTFALL	0.193	0.193	0	01:10	0.22	0.22	
0.000								
OF3	OUTFALL	0.000	1.452	0	01:20	0	7.16	
0.000								
ST4_108A_(P-Stm)	OUTFALL	0.000	0.495	0	02:15	0	26.7	
0.000								
500_(C-STRM)	STORAGE	0.000	0.283	0	01:20	0	0.834	-
0.225								
502_(C-STRM)	STORAGE	0.000	1.381	0	01:31	0	4.77	
0.023								
503_(C-STRM)	STORAGE	0.000	1.052	0	01:31	0	3.67	
0.001								
504_(C-STRM)	STORAGE	0.000	0.969	0	01:31	0	3.38	-
0.131								
505_(C-STRM)	STORAGE	0.000	0.889	0	01:30	0	3.09	
0.049								
506_(C-STRM)	STORAGE	0.000	0.808	0	01:30	0	2.81	
0.155								
507_(C-STRM)	STORAGE	0.000	0.593	0	01:31	0	2.08	-
0.293								
508_(C-STRM)	STORAGE	0.000	0.575	0	01:30	0	2.08	
0.001								
509_(C-STRM)	STORAGE	0.000	0.580	0	01:30	0	2.08	-
0.012								
510_(C-STRM)	STORAGE	0.000	0.584	0	01:30	0	2.08	
0.020								
511_(C-STRM)	STORAGE	0.000	0.588	0	01:29	0	2.08	
0.039								
512_(C-STRM)	STORAGE	0.000	0.537	0	01:28	0	1.92	-
0.011								
513_(C-STRM)	STORAGE	0.000	0.587	0	01:06	0	1.98	
0.292								
514_(C-STRM)	STORAGE	0.000	0.072	0	01:08	0	0.0726	
1.801								
515_(C-STRM)	STORAGE	0.000	0.039	0	01:10	0	0.0157	-
6.040								
516_(C-STRM)	STORAGE	0.000	0.390	0	01:24	0	1.29	-
0.736								
517_(C-STRM)	STORAGE	0.000	0.414	0	01:24	0	1.29	-
0.019								
518_(C-STRM)	STORAGE	0.000	0.437	0	01:02	0	1.3	
0.448								
519_(C-STRM)	STORAGE	0.000	0.139	0	01:01	0	0.323	-
1.028								
520_(C-STRM)	STORAGE	0.000	0.123	0	01:00	0	0.324	
0.558								
522_(C-STRM)	STORAGE	0.000	0.088	0	01:00	0	0.222	
0.019								
525_(C-STRM)	STORAGE	0.000	1.271	0	01:43	0	4.8	
0.034								
528_(C-STRM)	STORAGE	0.000	1.066	0	01:43	0	4.04	-
0.001								
532_(C-STRM)	STORAGE	0.000	0.844	0	01:43	0	3.23	-
0.047								
536_(C-STRM)	STORAGE	0.000	0.727	0	01:43	0	2.84	-
0.022								
540_(C-STRM)	STORAGE	0.000	0.495	0	01:43	0	1.98	-
0.008								
541_(C-STRM)	STORAGE	0.000	0.378	0	01:00	0	1.57	
0.030								
551_(C-STRM)	STORAGE	0.000	0.248	0	01:33	0	0.785	
0.002								
552_(C-STRM)	STORAGE	0.000	0.245	0	01:33	0	0.784	-
0.130								
553_(C-STRM)	STORAGE	0.000	0.197	0	01:00	0	0.676	
0.203								
554_(C-STRM)	STORAGE	0.000	0.125	0	01:06	0	0.109	
2.579								
555_(C-STRM)	STORAGE	0.000	0.097	0	01:08	0	0.0502	
0.219								
556_(C-STRM)	STORAGE	0.000	0.052	0	01:09	0	0.0118	-
6.540								
601_(C-STRM)	STORAGE	0.000	5.514	0	01:37	0	22.8	
0.057								
602_(C-STRM)	STORAGE	0.000	5.514	0	01:37	0	22.8	
0.000								
603_(C-STRM)	STORAGE	0.000	5.360	0	01:36	0	22	-
0.001								
604_(C-STRM)	STORAGE	0.000	5.360	0	01:36	0	22	-
0.045								
605_(C-STRM)	STORAGE	0.000	0.664	0	01:01	0	2.68	
0.512								
619_(C-STRM)	STORAGE	0.000	4.436	0	01:35	0	18.3	
0.000								
622_(C-STRM)	STORAGE	0.000	4.206	0	01:34	0	17.5	-
0.117								
626_(C-STRM)	STORAGE	0.000	0.141	0	01:06	0	1.08	-
0.245								
627_(C-STRM)	STORAGE	0.000	0.241	0	01:41	0	1.38	
0.161								
629_(C-STRM)	STORAGE	0.000	3.286	0	01:50	0	14.2	
0.059								
630_(C-STRM)	STORAGE	0.000	3.232	0	01:34	0	14.2	
0.014								
630A_(C-STRM)	STORAGE	0.000	3.018	0	01:50	0	12.8	
0.085								
633_(C-STRM)	STORAGE	0.567	0.567	0	01:10	0.677	0.677	
0.000								
634_(C-STRM)	STORAGE	0.000	0.568	0	01:32	0	1.93	-
0.031								
637_(C-STRM)	STORAGE	1.759	1.759	0	01:10	2.1	2.1	
0.000								
643_(C-STRM)	STORAGE	0.000	0.455	0	01:49	0	1.55	
0.451								
644_(C-STRM)	STORAGE	0.000	0.150	0	01:05	0	0.219	-
1.165								
645_(C-STRM)	STORAGE	0.000	0.877	0	01:52	0	2.81	
0.106								
646_(C-STRM)	STORAGE	0.000	0.681	0	01:52	0	2.73	-
0.015								
647_(C-STRM)	STORAGE	0.000	0.543	0	01:01	0	2.54	
0.020								
650_(C-STRM)	STORAGE	0.000	4.434	0	01:35	0	18.3	-
0.000								
651_(C-STRM)	STORAGE	0.000	4.433	0	01:36	0	18.3	-
0.001								
652_(C-STRM)	STORAGE	0.000	4.697	0	01:36	0	19.3	
0.017								
Filter_Bed	STORAGE	0.000	7.823	0	01:17	0	14.9	
0.059								
Industrial_NORTH	STORAGE	6.034	6.034	0	01:10	10.2	10.2	-
0.056								
Industrial_South	STORAGE	1.719	1.719	0	01:10	2.49	2.49	-
0.032								
MTD_(C-STRM)	STORAGE	0.000	2.603	0	01:33	0	9.58	-
0.018								
OVERFLOW_(C-STRM)	STORAGE	0.000	2.610	0	01:34	0	9.58	-
0.010								
PARK	STORAGE	0.374	0.374	0	01:11	0.786	0.786	-
0.000								
POND_(C-STRM)	STORAGE	2.721	14.411	0	01:18	3.61	42.1	-
0.038								
S_504-503	STORAGE	0.088	0.088	0	01:10	0.104	0.104	-
0.006								
S_525-MTD	STORAGE	0.903	0.903	0	01:10	1.07	1.07	-
0.006								
S_528-525	STORAGE	0.927	0.927	0	01:10	1.11	1.11	-
0.006								
S_532-528	STORAGE	0.470	0.470	0	01:10	0.561	0.561	-
0.006								
S_536-532	STORAGE	1.025	1.025	0	01:10	1.22	1.22	-
0.006								
S_540-536	STORAGE	0.490	0.490	0	01:10	0.585	0.585	-
0.007								
S_545-541	STORAGE	1.875	1.875	0	01:10	2.24	2.24	-
0.006								
S_607-605	STORAGE	3.593	3.593	0	01:10	4.26	4.26	
0.000								
S_620-619	STORAGE	1.017	1.017	0	01:10	1.21	1.21	-
0.000								
S_622-619	STORAGE	0.696	0.696	0	01:10	0.825	0.825	-
0.000								
S_623-622	STORAGE	1.175	1.175	0	01:10	1.39	1.39	
0.000								
S_627-630	STORAGE	0.406	0.406	0	01:10	0.481	0.481	-
0.000								
S_652-604	STORAGE	1.169	1.169	0	01:10	1.39	1.39	-
0.006								
Woodlot_North	STORAGE	0.389	0.389	0	01:10	1.08	1.08	
0.000								

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Node Surcharge Summary
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Surcharging occurs when water rises above the top of the highest conduit.

Node	Type	Hours Surcharged	Max. Height Above Crown Meters	Min. Depth Below Rim Meters
J1	JUNCTION	0.02	0.005	0.245

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Node Flooding Summary
****

No nodes were flooded.

****
Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	12.3	0.0	0.0	0.001	23.3	0 01:20	0.283
502_(C-STRM)	0.000	3.7	0.0	0.0	0.002	48.9	0 01:31	1.381
503_(C-STRM)	0.000	3.3	0.0	0.0	0.002	49.5	0 01:31	1.052
504_(C-STRM)	0.000	12.4	0.0	0.0	0.002	47.7	0 01:31	0.965
505_(C-STRM)	0.000	10.7	0.0	0.0	0.002	50.6	0 01:31	0.885
506_(C-STRM)	0.000	11.2	0.0	0.0	0.002	58.3	0 01:30	0.803
507_(C-STRM)	0.000	10.9	0.0	0.0	0.002	58.7	0 01:31	0.610
508_(C-STRM)	0.000	11.0	0.0	0.0	0.002	62.4	0 01:31	0.593
509_(C-STRM)	0.000	11.3	0.0	0.0	0.002	67.5	0 01:31	0.575
510_(C-STRM)	0.000	11.5	0.0	0.0	0.002	69.2	0 01:30	0.580
511_(C-STRM)	0.000	11.5	0.0	0.0	0.002	69.8	0 01:30	0.584
512_(C-STRM)	0.000	11.4	0.0	0.0	0.003	71.8	0 01:30	0.532
513_(C-STRM)	0.000	11.3	0.0	0.0	0.002	70.9	0 01:30	0.559
514_(C-STRM)	0.000	10.1	0.0	0.0	0.002	59.9	0 01:30	0.075
515_(C-STRM)	0.000	9.5	0.0	0.0	0.002	50.3	0 01:31	0.032
516_(C-STRM)	0.000	11.6	0.0	0.0	0.003	72.9	0 01:29	0.372
517_(C-STRM)	0.000	11.9	0.0	0.0	0.003	76.3	0 01:29	0.390
518_(C-STRM)	0.000	12.7	0.0	0.0	0.003	87.5	0 01:28	0.414
519_(C-STRM)	0.000	12.4	0.0	0.0	0.003	83.2	0 01:24	0.146
520_(C-STRM)	0.000	13.0	0.0	0.0	0.002	83.1	0 01:23	0.122
522_(C-STRM)	0.000	10.5	0.0	0.0	0.001	21.7	0 01:18	0.088
525_(C-STRM)	0.000	5.0	0.0	0.0	0.002	66.5	0 01:32	1.286
528_(C-STRM)	0.000	3.9	0.0	0.0	0.002	72.0	0 01:32	1.079
532_(C-STRM)	0.000	3.3	0.0	0.0	0.002	74.1	0 01:33	0.855
536_(C-STRM)	0.000	3.2	0.0	0.0	0.002	75.1	0 01:33	0.737
540_(C-STRM)	0.000	13.1	0.0	0.0	0.003	77.9	0 01:33	0.505
541_(C-STRM)	0.000	12.7	0.0	0.0	0.003	76.1	0 01:33	0.404
551_(C-STRM)	0.000	9.3	0.0	0.0	0.002	47.0	0 01:32	0.253
552_(C-STRM)	0.000	9.0	0.0	0.0	0.002	45.5	0 01:32	0.248
553_(C-STRM)	0.000	9.1	0.0	0.0	0.002	43.7	0 01:33	0.199
554_(C-STRM)	0.000	8.3	0.0	0.0	0.002	39.3	0 01:33	0.097
555_(C-STRM)	0.000	7.6	0.0	0.0	0.002	32.7	0 01:33	0.065
556_(C-STRM)	0.000	7.2	0.0	0.0	0.001	28.9	0 01:33	0.034
601_(C-STRM)	0.000	4.1	0.0	0.0	0.001	28.3	0 01:37	5.514

602_(C-STRM)	0.000	4.6	0.0	0.0	0.002	43.5	0	01:37
5.514								
603_(C-STRM)	0.000	4.2	0.0	0.0	0.002	47.8	0	01:36
5.360								
604_(C-STRM)	0.000	3.2	0.0	0.0	0.003	43.2	0	01:36
5.360								
605_(C-STRM)	0.000	6.5	0.0	0.0	0.002	29.8	0	01:36
0.717								
619_(C-STRM)	0.000	3.0	0.0	0.0	0.003	53.9	0	01:35
4.434								
622_(C-STRM)	0.000	3.6	0.0	0.0	0.004	66.1	0	01:35
4.203								
626_(C-STRM)	0.000	10.0	0.0	0.0	0.001	38.2	0	01:36
0.193								
627_(C-STRM)	0.000	10.0	0.0	0.0	0.002	52.7	0	01:35
0.296								
629_(C-STRM)	0.000	3.6	0.0	0.0	0.003	65.0	0	01:35
3.362								
630_(C-STRM)	0.000	3.5	0.0	0.0	0.003	66.7	0	01:35
3.286								
630A_(C-STRM)	0.000	3.7	0.0	0.0	0.003	71.0	0	01:34
3.044								
633_(C-STRM)	0.003	1.0	0.0	10.1	0.137	38.5	0	01:14
0.492								
634_(C-STRM)	0.000	9.9	0.0	0.0	0.003	70.0	0	01:35
0.565								
637_(C-STRM)	0.010	0.9	0.0	10.0	0.528	48.0	0	01:12
1.140								
643_(C-STRM)	0.000	10.9	0.0	0.0	0.003	77.1	0	01:35
0.472								
644_(C-STRM)	0.000	10.9	0.0	0.0	0.003	70.8	0	01:34
0.133								
645_(C-STRM)	0.000	3.2	0.0	0.0	0.003	72.2	0	01:34
1.040								
646_(C-STRM)	0.000	3.3	0.0	0.0	0.003	77.6	0	01:34
0.872								
647_(C-STRM)	0.000	3.5	0.0	0.0	0.003	83.9	0	01:34
0.670								
650_(C-STRM)	0.000	3.0	0.0	0.0	0.003	50.5	0	01:36
4.433								
651_(C-STRM)	0.000	3.1	0.0	0.0	0.003	49.6	0	01:36
4.433								
652_(C-STRM)	0.000	3.2	0.0	0.0	0.003	48.1	0	01:36
4.697								
Filter_Bed	0.759	22.7	0.0	0.0	2.112	63.2	0	01:18
7.782								
Industrial_NORTH	0.043	1.7	0.0	0.0	1.979	79.1	0	01:22
2.455								
Industrial_South	0.018	2.4	0.0	0.0	0.693	92.4	0	01:21
0.529								
MTD_(C-STRM)	0.000	7.9	0.0	0.0	0.002	55.5	0	01:31
2.610								
OVERFLOW_(C-STRM)	0.000	12.3	0.0	0.0	0.001	37.9	0	01:20
2.613								
PARK	0.008	1.6	0.0	0.0	0.222	44.4	0	01:37
0.154								
POND_(C-STRM)	19.398	53.6	0.0	0.0	33.236	91.8	0	02:14
1.765								
S_504-503	0.000	0.6	0.0	0.0	0.019	33.6	0	01:13
0.071								
S_525-MTD	0.005	0.9	0.0	0.0	0.260	45.4	0	01:20
0.692								
S_528-525	0.005	0.8	0.0	0.0	0.255	44.0	0	01:12
0.679								
S_532-528	0.002	0.7	0.0	0.0	0.105	35.7	0	01:10
0.417								
S_536-532	0.004	1.0	0.0	0.0	0.239	56.0	0	01:10
0.887								
S_540-536	0.002	0.9	0.0	0.0	0.096	47.0	0	01:10
0.456								
S_545-541	0.012	1.0	0.0	0.0	0.586	49.9	0	01:12
1.200								
S_607-605	0.029	1.3	0.0	9.7	1.282	56.2	0	01:14
1.801								
S_620-619	0.004	0.9	0.0	8.6	0.235	54.6	0	01:11
0.855								
S_622-619	0.003	0.7	0.0	10.2	0.196	44.4	0	01:13
0.411								
S_623-622	0.005	1.0	0.0	8.6	0.284	57.1	0	01:11
0.967								
S_627-630	0.001	0.6	0.0	12.1	0.087	33.7	0	01:10
0.359								
S_652-604	0.006	0.8	0.0	0.0	0.322	43.4	0	01:11
0.833								
Woodlot_North	0.024	4.7	0.0	0.0	0.421	84.1	0	01:55
0.141								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	13.15	0.548	1.270	6.220
OF2	13.07	0.020	0.193	0.220
OF3	98.84	0.085	1.452	7.156
ST4_108A_(P-Stm)	98.98	0.312	0.495	26.712
System	56.01	0.965	2.460	40.309

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days	hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.148	0	01:10	1.45	2.21	0.76
BDR-C2	CONDUIT	0.302	0	01:20	2.51	5.77	0.91
BDR-C3	CONDUIT	0.443	0	01:24	3.17	2.26	0.67
BDR-C4	CONDUIT	1.031	0	01:15	2.78	0.34	0.36
C1	CHANNEL	0.199	0	01:10	0.30	0.08	0.52
C1_1	CHANNEL	0.444	0	01:11	0.56	0.18	0.52
C1_11	CHANNEL	1.916	0	01:13	2.11	0.21	0.55
C1_2	CHANNEL	0.000	0	00:00	0.00	0.00	0.21
C1_3	CHANNEL	0.016	0	01:08	0.09	0.01	0.29
C1_4	CHANNEL	0.578	0	01:11	0.91	0.14	0.44
C1_5	CHANNEL	0.541	0	01:11	0.92	0.11	0.42
C1_6	CHANNEL	0.572	0	01:12	0.99	0.14	0.41
C1_7	CHANNEL	0.563	0	01:13	1.23	0.09	0.37
C1_8	CHANNEL	0.309	0	01:10	0.57	0.08	0.42
C1_9	CHANNEL	1.355	0	01:14	1.69	0.19	0.51
C2	CHANNEL	0.159	0	01:10	1.09	0.02	0.22
C2_1	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.196	0	01:12	0.85	0.05	0.35
C2_11	CHANNEL	0.184	0	01:14	0.84	0.07	0.58
C2_12	CHANNEL	0.945	0	01:11	0.71	0.59	0.80
C2_13	CHANNEL	0.908	0	01:11	0.68	0.46	0.90
C2_14	CHANNEL	2.709	0	01:15	1.18	0.96	0.99
C2_15	CHANNEL	2.705	0	01:16	1.37	0.96	0.92
C2_16	CHANNEL	1.839	0	01:14	1.61	0.39	0.77
C2_18	CHANNEL	0.092	0	01:11	0.19	0.03	0.43
C2_2	CHANNEL	0.380	0	01:10	0.85	0.11	0.53
C2_3	CHANNEL	0.000	0	00:00	0.00	0.00	0.23
C2_4	CHANNEL	0.962	0	01:11	0.99	0.28	0.74
C2_5	CHANNEL	0.065	0	01:12	0.09	0.05	0.59
C2_7	CHANNEL	0.157	0	01:12	0.89	0.05	0.37
C2_8	CHANNEL	0.203	0	01:11	0.69	0.07	0.36
C2_9	CHANNEL	0.000	0	00:00	0.00	0.00	0.14
C3	CONDUIT	1.115	0	01:11	0.82	0.22	0.44
C3_2	CHANNEL	0.131	0	01:15	0.40	0.09	0.40
C3_6	CHANNEL	0.114	0	01:17	0.37	0.08	0.39
C3_7	CHANNEL	0.199	0	01:10	0.50	0.12	0.44
C4	CONDUIT	1.746	0	01:12	1.08	0.29	0.52
C4_5	CHANNEL	0.534	0	01:16	0.40	0.37	1.00
C4_6	CHANNEL	4.473	0	01:16	2.42	0.74	0.95
C4_7	CHANNEL	1.582	0	01:25	0.77	0.98	1.00
C5	CONDUIT	2.014	0	01:12	1.12	0.39	0.58
C5_1	CHANNEL	0.246	0	01:10	0.42	0.06	0.20
C5_10	CHANNEL	0.147	0	01:12	0.57	0.04	0.25
C5_11	CHANNEL	0.150	0	01:23	0.21	0.05	0.46
C5_12	CHANNEL	1.452	0	01:20	1.37	0.12	0.35
C5_13	CHANNEL	0.145	0	01:14	0.61	0.04	0.31
C5_14	CHANNEL	0.172	0	01:32	0.17	0.12	0.56
C5_15	CHANNEL	0.300	0	01:22	0.51	0.08	0.35
C5_16	CHANNEL	0.297	0	01:26	0.45	0.07	0.28
C5_17	CHANNEL	0.315	0	01:29	0.25	0.03	0.34
C5_18	CHANNEL	1.815	0	01:13	1.25	0.68	0.86
C5_19	CHANNEL	0.352	0	01:20	0.53	0.20	0.31
C5_2	CHANNEL	0.215	0	01:13	0.70	0.03	0.23
C5_20	CHANNEL	0.369	0	01:23	0.40	0.04	0.27
C5_21	CHANNEL	0.000	0	00:00	0.00	0.00	0.36
C5_23	CHANNEL	0.243	0	01:10	0.40	0.05	0.20
C5_24	CHANNEL	1.787	0	01:14	1.38	0.66	0.81
C5_25	CHANNEL	1.898	0	01:14	1.23	0.49	0.88
C5_3	CHANNEL	0.236	0	01:11	0.67	0.02	0.24
C5_4	CHANNEL	0.210	0	01:14	0.56	0.01	0.20
C5_5	CHANNEL	0.205	0	01:16	0.65	0.02	0.18
C5_6	CHANNEL	0.212	0	01:14	0.88	0.01	0.15
C5_7	CHANNEL	0.445	0	01:37	0.58	0.04	0.32
C5_8	CHANNEL	0.397	0	01:19	0.25	0.03	0.57
C5_9	CHANNEL	0.915	0	01:18	0.77	0.08	0.38
C6	CONDUIT	2.340	0	01:12	1.36	0.46	0.66
C7	CONDUIT	5.690	0	01:17	2.21	0.75	0.83
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT		0.372	0	01:06	1.09	0.99	1.00
1.00							
C-STRM-1_(1)_(C-STRM) CONDUIT		0.390	0	01:24	1.11	1.20	1.00
C-STRM-1_(C-STRM)	CONDUIT	0.414	0	01:24	1.46	1.74	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.283	0	01:20	1.43	0.65	0.66
C-STRM-101_(C-STRM)	CONDUIT	0.283	0	01:20	1.67	0.65	0.58
C-STRM-102_(C-STRM)	CONDUIT	2.365	0	01:34	3.99	1.22	0.98
C-STRM-105_(C-STRM)	CONDUIT	0.964	0	01:51	1.52	1.37	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.472	0	01:49	1.12	1.09	1.00
C-STRM-107_(1)_(C-STRM) CONDUIT		4.697	0	01:36	2.20	1.33	1.00
C-STRM-107_(C-STRM)	CONDUIT	4.433	0	01:36	2.07	1.26	1.00
C-STRM-2_(1)_(C-STRM) CONDUIT		0.532	0	01:29	1.49	0.94	1.00
C-STRM-2_(C-STRM)	CONDUIT	0.537	0	01:28	1.50	0.95	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.193	0	01:51	1.80	0.68	1.00
C-STRM-21_(C-STRM)	CONDUIT	0.296	0	01:52	1.49	0.97	1.00
C-STRM-22_(1)_(C-STRM) CONDUIT		3.362	0	01:50	1.90	1.23	1.00
C-STRM-22_(C-STRM)	CONDUIT	3.286	0	01:50	1.91	1.20	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.565	0	01:32	1.08	1.02	1.00
C-STRM-26_(1)_(C-STRM) CONDUIT		0.253	0	01:34	0.83	0.75	1.00
C-STRM-26_(C-STRM)	CONDUIT	0.248	0	01:33	0.88	0.74	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.803	0	01:30	1.82	1.02	
1.00							
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.610	0	01:31	1.71	1.03	1.00
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT		0.593	0	01:31	1.66	1.00	1.00
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT		0.575	0	01:30	1.61	0.97	1.00
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT		0.580	0	01:30	1.62	1.03	1.00
C-STRM-3_(1)_(C-STRM) CONDUIT		0.584	0	01:30	1.70	1.04	1.00
C-STRM-33_(1)_(C-STRM) CONDUIT		0.872	0	01:52	1.37	1.24	1.00
C-STRM-33_(C-STRM)	CONDUIT	0.670	0	01:52	1.18	0.96	1.00
C-STRM-34_(1)_(C-STRM) CONDUIT		0.097	0	01:08	0.62	0.57	1.00
C-STRM-34_(1)_(C-STRM) CONDUIT		0.052	0	01:09	0.42	0.30	1.00
C-STRM-35_(1)_(C-STRM) CONDUIT		0.197	0	01:33	0.99	0.80	1.00
C-STRM-35_(C-STRM)	CONDUIT	0.125	0	01:06	0.56	0.51	1.00
C-STRM-4_(1)_(C-STRM) CONDUIT		0.965	0	01:31	2.30	1.12	0.90
C-STRM-4_(C-STRM)	CONDUIT	0.885	0	01:31	2.00	1.12	1.00
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT		4.433	0	01:36	2.07	1.26	1.00
C-STRM-46_(1)_(C-STRM) CONDUIT		4.434	0	01:35	2.07	1.25	1.00
C-STRM-49_(C-STRM)	CONDUIT	0.404	0	01:49	0.87	0.72	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.505	0	01:43	0.95	0.91	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.737	0	01:43	1.16	1.05	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.855	0	01:43	1.14	0.98	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.079	0	01:43	1.45	1.25	1.00
C-STRM-57_(C-STRM)	CONDUIT	1.052	0	01:31	1.41	1.22	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.133	0	01:52	0.84	0.94	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.122	0	01:01	0.97	0.96	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.146	0	01:30	0.68	0.88	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0	01:18	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.286	0	01:42	1.72	1.28	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.610	0	01:34	3.02	1.35	1.00
C-STRM-78_(C-STRM)	CONDUIT	1.381	0	01:32	1.85	1.12	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT		5.360	0	01:36	2.11	1.47	1.00
C-STRM-79_(C-STRM)	CONDUIT	5.711	0	01:52	1.65	1.02	1.00
C-STRM-8_(1)_(C-STRM) CONDUIT		0.075	0	01:43	0.42	0.39	1.00
C-STRM-8_(C-STRM)	CONDUIT	0.039	0	01:10	0.34	0.31	1.00
C-STRM-80_(C-STRM)	CONDUIT	5.360	0	01:37	2.11	1.48	1.00
C-STRM-81_(C-STRM)	CONDUIT	5.514	0	01:37	2.39	1.51	0.85
C-STRM-82_(C-STRM)	CONDUIT	5.514	0	01:37	3.02	1.52	0.67
C-STRM-83_(1)_(C-STRM) CONDUIT		3.044	0	01:50	1.91	1.11	1.00
C-STRM-84_(C-STRM)	CONDUIT	4.203	0	01:35	1.97	1.19	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.099	0	01:50	0.90	1.13	1.00
CVR-C2	CONDUIT	0.209	0	01:15	2.52	0.78	0.52
CVR-C3	CONDUIT	0.446	0	01:35	4.18	2.74	0.79
CVR-C4	CONDUIT	0.914	0	01:18	2.89	0.30	0.32
ST4-Pipe_-_(99)_(P-Stm) CONDUIT		0.495	0	02:15	1.41	0.51	1.00
W1	CHANNEL	7.756	0	01:18	1.34	0.03	0.07
OR1	ORIFICE	0.356	0	02:13			1.00
OR2	ORIFICE	0.139	0	02:14			0.72
W10	WEIR	0.745	0	01:12			0.35
W11	WEIR	0.359	0	01:10			0.23
W12	WEIR	0.569	0	01:11			0.29
W13	WEIR	0.822	0	01:12			0.37
W14	WEIR	0.353	0	01:10			0.24
W15	WEIR	0.665	0	01:10			0.37
W16	WEIR	0.310	0	01:10			0.20
W17	WEIR	0.468	0	01:10			0.30
W2	WEIR	1.270	0	02:14			0.60
W3	WEIR	0.049	0	01:08			0.17
W4	WEIR	0.254	0	01:10			0.17
W5	WEIR	0.500	0	01:11			0.32
W6	WEIR	0.707	0	01:11			0.39
W7	WEIR	0.612	0	01:11			0.35
W8	WEIR	1.094	0	01:14			0.45
W9	WEIR	0.228	0	01:13			0.30
C-STRM-108_(1)_(C-STRM) DUMMY		0.126	0	01:04			
C-STRM-14_(1)_(C-STRM) DUMMY		0.664	0	01:01			
C-STRM-27_(C-STRM)	DUMMY	0.248	0	01:01			
C-STRM-42_(C-STRM)	DUMMY	0.378	0	01:00			
C-STRM-44_(1)_(C-STRM) DUMMY		0.192	0	01:01			
C-STRM-45_(1)_(C-STRM) DUMMY		0.233	0	01:01			
C-STRM-61_(C-STRM)	DUMMY	0.374	0	01:01			
C-STRM-71_(C-STRM)	DUMMY	0.529	0	01:01			
C-STRM-83_(C-STRM)	DUMMY	2.455	0	01:02			
C-STRM-93_(C-STRM)	DUMMY	0.113	0	01:01			
C-STRM-96_(1)_(C-STRM) DUMMY		0.222	0	01:00			
C-STRM-97_(1)_(C-STRM) DUMMY		0.107	0	01:01			
C-STRM-98_(1)_(C-STRM) DUMMY		0.211	0	01:01			
OL1	DUMMY	0.175	0	01:01			
OL10	DUMMY	0.026	0	00:22			
OL11	DUMMY	0.086	0	01:00			
OL12	DUMMY	0.242	0	01:00			
OL13	DUMMY	0.056	0	01:00			
OL14	DUMMY	0.215	0	01:00			
OL15	DUMMY	0.342	0	01:00			
OL16	DUMMY	0.088	0	01:00			
OL17	DUMMY	0.123	0	01:00			
OL18	DUMMY	0.014	0	01:00			
OL19	DUMMY	0.056	0	01:00			
OL2	DUMMY	0.197	0	01:00			
OL20	DUMMY	0.022	0	01:01			
OL21	DUMMY	0.154	0	01:06			
OL22	DUMMY	0.021	0	01:00			
OL3	DUMMY	0.048	0	01:00			
OL4	DUMMY	0.092	0	01:00			
OL5	DUMMY	0.087	0	01:00			
OL6	DUMMY	0.141	0	01:06			
OL7	DUMMY	0.099	0	01:01			
OL8	DUMMY	0.264	0	01:01			
OL9	DUMMY	0.062	0	01:00			

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.80	0.00
BDR-C2	1.00	0.01	0.00	0.00	0.96	0.03	0.00	0.00	0.58	0.00
BDR-C3	1.00	0.01	0.00	0.00	0.70	0.29	0.00	0.00	0.01	0.00
BDR-C4	1.00	0.01	0.00	0.00	0.70	0.29	0.00	0.00	0.93	0.00
C1	1.00	0.82	0.04	0.00	0.14	0.00	0.00	0.00	0.96	0.00
C1_1	1.00	0.82	0.01	0.00	0.17	0.00	0.00	0.00	0.94	0.00
C1_11	1.00	0.82	0.03	0.00	0.04	0.10	0.00	0.00	0.04	0.00
C1_2	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.01	0.03	0.00	0.83	0.13	0.00	0.00	0.01	0.00
C1_4	1.00	0.01	0.85	0.00	0.11	0.02	0.00	0.00	0.95	0.00
C1_5	1.00	0.85	0.01	0.00	0.08	0.06	0.00	0.00	0.05	0.00
C1_6	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.94	0.00
C1_7	1.00	0.01	0.03	0.00	0.48	0.48	0.00	0.00	0.00	0.00
C1_8	1.00	0.84	0.02	0.00	0.11	0.03	0.00	0.00	0.96	0.00
C1_9	1.00	0.84	0.01	0.00	0.04	0.10	0.00	0.00	0.02	0.00
C2	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C2_11	1.00	0.01	0.03	0.00	0.49	0.46	0.00	0.00	0.02	0.00
C2_12	1.00	0.01	0.85	0.00	0.13	0.01	0.00	0.00	0.94	0.00
C2_13	1.00	0.01	0.02	0.00	0.76	0.21	0.00	0.00	0.02	0.00
C2_14	1.00	0.01	0.80	0.00	0.16	0.03	0.00	0.00	0.95	0.00
C2_15	1.00	0.01	0.02	0.00	0.67	0.29	0.00	0.00	0.02	0.00
C2_16	1.00	0.83	0.01	0.00	0.07	0.09	0.00	0.00	0.06	0.00
C2_18	1.00	0.01	0.04	0.00	0.30	0.65	0.00	0.00	0.01	0.00
C2_2	1.00	0.01	0.85	0.00	0.12	0.02	0.00	0.00	0.95	0.00
C2_3	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.95	0.00
C2_5	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C2_7	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C2_8	1.00	0.01	0.86	0.00	0.10	0.03	0.00	0.00	0.94	0.00
C2_9	1.00	0.05	0.95	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	0.62	0.14	0.00	0.24	0.00	0.00	0.00	0.95	0.00
C3_2	1.00	0.01	0.04	0.00	0.64	0.31	0.00	0.00	0.01	0.00
C3_6	1.00	0.80	0.01	0.00	0.19	0.00	0.00	0.00	0.90	0.00
C3_7	1.00	0.85	0.00	0.00	0.15	0.00	0.00	0.00	0.05	0.00
C4	1.00	0.48	0.14	0.00	0.38	0.00	0.00	0.00	0.95	0.00
C4_5	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.94	0.00
C4_6	1.00	0.01	0.85	0.00	0.10	0.04	0.00	0.00	0.95	0.00
C4_7	1.00	0.03	0.02	0.00	0.89	0.06	0.00	0.00	0.00	0.00
C5	1.00	0.33	0.16	0.00	0.52	0.00	0.00	0.00	0.94	0.00
C5_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.88	0.00
C5_10	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.89	0.00
C5_11	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.96	0.00
C5_12	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.01	0.00	0.00	0.31	0.67	0.00	0.00	0.03	0.00
C5_14	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.64	0.00
C5_15	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.96	0.00
C5_16	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.01	0.00	0.00	0.97	0.00	0.00	0.00	0.92	0.00
C5_18	1.00	0.04	0.00	0.00	0.94	0.01	0.00	0.00	0.95	0.00
C5_19	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.65	0.00
C5_2	1.00	0.02	0.00	0.00	0.62	0.36	0.00	0.00	0.00	0.00
C5_20	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
C5_21	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.01	0.00	0.00	0.79	0.20	0.00	0.00	0.57	0.00
C5_24	1.00	0.04	0.00	0.00	0.94	0.02	0.00	0.00	0.94	0.00
C5_25	1.00	0.01	0.00	0.00	0.12	0.83	0.00	0.00	0.03	0.00
C5_3	1.00	0.02	0.00	0.00	0.98	0.01	0.00	0.00	0.97	0.00
C5_4	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.96	0.00
C5_5	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.15	0.00
C5_6	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.89	0.00
C5_7	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_8	1.00	0.01	0.03	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C5_9	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.98	0.00
C6	1.00	0.05	0.28	0.00	0.67	0.00	0.00	0.00	0.94	0.00
C7	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.05	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.80	0.00
C-STRM-1_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.68	0.14	0.00	0.15	0.00	0.00	0.02	0.82	0.00
C-STRM-101_(C-STRM)	1.00	0.64	0.04	0.00	0.27	0.00	0.00	0.05	0.67	0.00
C-STRM-102_(C-STRM)	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.07	0.00
C-STRM-105_(C-STRM)	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.93	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.03	0.00	0.00	0.06	0.00	0.00	0.91	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.10	0.00	0.00	0.89	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.49	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.73	0.00
C-STRM-2_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.70	0.00
C-STRM-20_(C-STRM)	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.92	0.01	0.00
C-STRM-21_(C-STRM)	1.00	0.03	0.00	0.00	0.03	0.00	0.00	0.93	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.87	0.00
C-STRM-23_(C-STRM)	1.00	0.03	0.00	0.00	0.04	0.00	0.00	0.93	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.12	0.00	0.00	0.87	0.00	0.00
C-STRM-26_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.88	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.69	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.94	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.86	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.60	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.26	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.96	0.01	0.00	0.02	0.70	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.88	0.00
C-STRM-33_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.71	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.04	0.01	0.00	0.04	0.00	0.00	0.92	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.04	0.84	0.00	0.12	0.00	0.00	0.00	0.92	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.01	0.75	0.00	0.23	0.00	0.01	0.00	0.92	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.01	0.00	0.00	0.95	0.03	0.00	0.01	0.86	0.00
C-STRM-46_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.86	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.74	0.00
C-STRM-49_(C-STRM)	1.00	0.01	0.38	0.00	0.61	0.00	0.00	0.00	0.84	0.00
C-STRM-50_(C-STRM)	1.00	0.01	0.00	0.00	0.09	0.00	0.00	0.90	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.01	0.00	0.00	0.10	0.00	0.00	0.89	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.61	0.00
C-STRM-53_(C-STRM)	1.00	0.01	0.16	0.00	0.83	0.00	0.00	0.00	0.58	0.00
C-STRM-57_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.48	0.00
C-STRM-60_(C-STRM)	1.00	0.04	0.00	0.00	0.04	0.00	0.00	0.92	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.01	0.00	0.00	0.11	0.00	0.00	0.87	0.07	0.00
C-STRM-64_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.01	0.00	0.00	0.56	0.00	0.00	0.43	0.15	0.00
C-STRM-77_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.34	0.00
C-STRM-78_(C-STRM)	1.00	0.01	0.00	0.00	0.56	0.00	0.00	0.43	0.13	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.66	0.00
C-STRM-79_(C-STRM)	1.00	0.03	0.00	0.00	0.04	0.00	0.00	0.93	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.03	0.01	0.00	0.05	0.00	0.00	0.90	0.02	0.00
C-STRM-8_(C-STRM)	1.00	0.04	0.00	0.00	0.03	0.00	0.00	0.92	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.59	0.00
C-STRM-81_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.50	0.00
C-STRM-82_(C-STRM)	1.00	0.01	0.00	0.00	0.49	0.00	0.00	0.50	0.03	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.40	0.00
C-STRM-84_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.70	0.00
C-STRM-87_(C-STRM)	1.00	0.96	0.00	0.00	0.04	0.00	0.00	0.00	0.92	0.00
CVR-C2	1.00	0.03	0.00	0.00	0.79	0.17	0.00	0.00	0.81	0.00
CVR-C3	1.00	0.01	0.00	0.00	0.23	0.76	0.00	0.00	0.06	0.00
CVR-C4	1.00	0.01	0.00	0.00	0.57	0.42	0.00	0.00	0.12	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.01	0.00	0.00	0.20	0.00	0.00	0.80	0.00	0.00
W1	1.00	0.84	0.00	0.00	0.13	0.00	0.00	0.04	0.00	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full Both Ends	Hours Full Upstream	Hours Full Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.44	0.01	1.48	0.01
BDR-C2	0.01	0.51	0.01	2.28	0.01
BDR-C3	0.01	0.01	0.01	0.80	0.01
C4_5	0.02	0.02	0.29	0.01	0.01
C4_6	0.01	0.01	0.32	0.01	0.01
C4_7	0.29	0.29	0.32	0.01	0.01
C5_25	0.01	0.01	0.08	0.01	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.60	0.60	0.61	0.01	0.43
C-STRM-1_(1)_(C-STRM)	0.59	0.63	0.60	0.45	0.42
C-STRM-1_(C-STRM)	0.63	0.69	0.63	0.54	0.55
C-STRM-100_(C-STRM)	0.01	0.27	0.01	0.69	0.01
C-STRM-105_(C-STRM)	0.85	0.86	0.86	0.10	0.08
C-STRM-106_(C-STRM)	0.83	0.83	0.85	0.48	0.74
C-STRM-107_(1)_(C-STRM)	0.76	0.82	0.76	0.78	0.76
C-STRM-107_(C-STRM)	0.82	0.83	0.82	0.75	0.82
C-STRM-2_(1)_(C-STRM)	0.62	0.64	0.62	0.01	0.62
C-STRM-2_(C-STRM)	0.61	0.61	0.64	0.01	0.01
C-STRM-20_(C-STRM)	0.59	0.59	0.72	0.01	0.01
C-STRM-21_(C-STRM)	0.72	0.72	0.75	0.01	0.03
C-STRM-22_(1)_(C-STRM)	0.81	0.81	0.82	0.72	0.74
C-STRM-22_(C-STRM)	0.80	0.80	0.81	0.78	0.75
C-STRM-23_(C-STRM)	0.85	0.85	0.86	0.17	0.73
C-STRM-26_(1)_(C-STRM)	0.78	0.78	0.80	0.01	0.01
C-STRM-26_(C-STRM)	0.74	0.74	0.78	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.61	0.61	0.61	0.08	0.55
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.60	0.62	0.61	0.07	0.50
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.62	0.64	0.62	0.01	0.60
C-STRM-3_(1)_(1)_(C-STRM)	0.64	0.67	0.64	0.01	0.64
C-STRM-3_(1)_(2)_(C-STRM)	0.63	0.63	0.67	0.12	0.15
C-STRM-3_(1)_(C-STRM)	0.62	0.62	0.63	0.16	0.40
C-STRM-33_(1)_(C-STRM)	0.85	0.85	0.86	0.07	0.08
C-STRM-33_(C-STRM)	0.84	0.84	0.85	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.53	0.53	0.60	0.01	0.01
C-STRM-34_(1)_(C-STRM)	0.45	0.45	0.53	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.68	0.68	0.74	0.01	0.01
C-STRM-35_(C-STRM)	0.60	0.60	0.68	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.57	0.01	0.42	0.01
C-STRM-4_(C-STRM)	0.57	0.61	0.57	0.39	0.57
C-STRM-46_(1)_(1)_(C-STRM)	0.83	0.83	0.83	0.75	0.82
C-STRM-46_(1)_(C-STRM)	0.83	0.85	0.83	0.75	0.83
C-STRM-49_(C-STRM)	0.82	0.82	0.82	0.01	0.01
C-STRM-50_(C-STRM)	0.82	0.82	0.82	0.01	0.75
C-STRM-51_(C-STRM)	0.82	0.82	0.82	0.41	0.82
C-STRM-52_(C-STRM)	0.82	0.82	0.83	0.01	0.75
C-STRM-53_(C-STRM)	0.82	0.83	0.82	0.72	0.82
C-STRM-57_(C-STRM)	0.80	0.81	0.81	0.58	0.79
C-STRM-60_(C-STRM)	0.82	0.82	0.83	0.01	0.03
C-STRM-62_(C-STRM)	0.62	0.62	0.66	0.01	0.01
C-STRM-63_(C-STRM)	0.66	0.66	0.69	0.01	0.01
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.19	0.01
C-STRM-76_(C-STRM)	0.82	0.82	0.82	0.75	0.82
C-STRM-77_(C-STRM)	0.27	0.82	0.27	0.74	0.27
C-STRM-78_(C-STRM)	0.81	0.81	0.82	0.39	0.72
C-STRM-79_(1)_(C-STRM)	0.57	0.76	0.57	0.86	0.57
C-STRM-79_(C-STRM)	0.75	0.75	0.76	0.01	0.01
C-STRM-8_(1)_(C-STRM)	0.52	0.52	0.61	0.01	0.01
C-STRM-8_(C-STRM)	0.44	0.44	0.52	0.01	0.01
C-STRM-80_(C-STRM)	0.25	0.57	0.25	0.86	0.25
C-STRM-81_(C-STRM)	0.01	0.25	0.01	0.88	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.88	0.01
C-STRM-83_(1)_(C-STRM)	0.80	0.80	0.80	0.74	0.75
C-STRM-84_(C-STRM)	0.85	0.86	0.85	0.72	0.85
C-STRM-87_(C-STRM)	0.81	0.81	0.82	0.01	0.02
CVR-C3	0.01	1.44	0.01	1.70	0.01
ST4-Pipe_-_(99)_(P-Stm)	0.50	0.50	0.59	0.01	0.01

Analysis begun on: Thu Jun 25 09:02:40 2026
Analysis ended on: Thu Jun 25 09:03:37 2026
Total elapsed time: 00:00:57

Post-Development HIST 1979

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  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
  Name                 Data Source          Data       Recording
                                            Type       Interval
  -------------------------------------------------------------
  24SCS100             24SCS100             INTENSITY   15 min.
  6SCS050              6SCS050              INTENSITY   15 min.
  Rainfall             JUL1-79              INTENSITY    5 min.


  *********************
  Subcatchment Summary
  *********************
  Name                 Area     Width   %Imperv    %Slope Rain Gage           Outlet
  ------------------------------------------------------------------------------------
---------------
  A15_1                1.31     13.10     18.98    0.5000 Rainfall            EXD_8
  A15_2                2.15     13.10     18.98    0.5000 Rainfall            EXD_12
  A18                  0.59    338.21     39.12    0.5000 Rainfall            EXD_25
  A19                  1.11    332.78     22.32    0.5000 Rainfall            EXD_20
  A20                  4.83    279.76      8.37    1.5000 Rainfall            EXD_15
  NULL3                0.57    312.75     83.33    1.4500 Rainfall            EXD_27
  S1                   6.51   1465.85     64.29    2.0000 Rainfall            S_607-605
  S1_1                 0.09    154.58     71.43    2.0000 Rainfall            J19
  S1_2                 0.14    147.72     71.43    2.0000 Rainfall            J21
  S10_1                1.84    414.84     64.29    2.0000 Rainfall            S_620-619
  S10_2                2.13    479.37     64.29    2.0000 Rainfall            S_623-622
  S10_4                0.74    165.67     64.29    2.0000 Rainfall            S_627-630
  S10_5                1.26    284.06     64.29    2.0000 Rainfall            S_622-619
  S11                  3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                  0.44    346.44     71.43    2.0000 Rainfall            J2
  S14_1                0.60    371.55     71.43    2.0000 Rainfall            J27
  S14_3                1.06    381.29     71.43    2.0000 Rainfall            J57
  S14_4                0.31    138.84     71.43    2.0000 Rainfall            J47
  S14_5                1.69    653.02     71.43    2.0000 Rainfall            J28
  S14_6                0.28    141.02     71.43    2.0000 Rainfall            J58
  S14_7                1.19    549.94     71.43    2.0000 Rainfall            J60
  S14_8                0.43    191.40     71.43    2.0000 Rainfall            J50
  S15                  1.64    368.26     64.29    2.0000 Rainfall            S_525-MTD
  S16_1                0.46     16.60    100.00    0.5000 Rainfall            EXD_10
  S16_2                0.99     16.60    100.00    0.5000 Rainfall            EXD_8
  S17                  6.26    202.00      3.33    0.5000 Rainfall            EXD_7
  S18_2                3.35    754.05     67.14    2.0000 Rainfall            S_545-541
  S18_3                1.66    372.76     67.14    2.0000 Rainfall            S_528-525
  S18_4                0.88    197.06     67.14    2.0000 Rainfall            S_540-536
  S18_5                1.83    412.02     67.14    2.0000 Rainfall            S_536-532
  S18_6                0.84    188.96     67.14    2.0000 Rainfall            S_532-528
  S19                  0.97    462.04     71.43    2.0000 Rainfall            J35
  S2                   0.37    154.58     71.43    2.0000 Rainfall            J20
  S2_1                 3.14    707.17     67.14    2.0000 Rainfall            637_(C-
STRM)
  S2_2                 1.01    228.16     67.14    2.0000 Rainfall            633_(C-
STRM)
  S20_1                0.45    284.74     71.43    2.0000 Rainfall            J42
  S20_2                0.24    137.80     71.43    2.0000 Rainfall            J38
  S3                   2.12    476.98     64.29    2.0000 Rainfall            S_652-604
  S32_1                0.43    369.16     71.43    2.0000 Rainfall            J43
  S32_2                0.16     35.80     64.29    2.0000 Rainfall            S_504-503
  S36                  1.82     21.00    100.00    0.5000 Rainfall            EXD_10
  S4                  13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                   3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                   0.34    261.05     57.14    2.0000 Rainfall            OF2
  S7                   3.99    402.80     85.71    0.5000 Rainfall            POND_(C-
STRM)
  S8                   1.60    121.93     35.71    2.0000 Rainfall            PARK


  ************
  Node Summary
  ************
  Name                 Type                 Invert      Max.    Ponded    External
                                             Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  EXD_1                JUNCTION            104.39      1.51       0.0
  EXD_10               JUNCTION             98.65      1.20       0.0
  EXD_11               JUNCTION             98.50      1.20       0.0
  EXD_12               JUNCTION             98.31      1.20       0.0
  EXD_13               JUNCTION            104.32      1.10       0.0
  EXD_14               JUNCTION            102.49      0.80       0.0
  EXD_15               JUNCTION            100.27      0.80       0.0
  EXD_16               JUNCTION            100.20      0.80       0.0
  EXD_17               JUNCTION             99.89      0.80       0.0
  EXD_18               JUNCTION             99.40      0.84       0.0
  EXD_19               JUNCTION             99.19      0.88       0.0
  EXD_2                JUNCTION            103.47      1.93       0.0
  EXD_20               JUNCTION             99.19      0.88       0.0
  EXD_21               JUNCTION             99.18      0.88       0.0
  EXD_22               JUNCTION             99.14      0.88       0.0
  EXD_23               JUNCTION             98.75      1.14       0.0
  EXD_24               JUNCTION             98.67      1.14       0.0
  EXD_25               JUNCTION             98.52      1.13       0.0
  EXD_26               JUNCTION             98.48      1.13       0.0
  EXD_27               JUNCTION             98.17      1.20       0.0
  EXD_3                JUNCTION            103.19      1.41       0.0
  EXD_4                JUNCTION            102.64      1.20       0.0
  EXD_5                JUNCTION            102.50      1.20       0.0
  EXD_6                JUNCTION            102.32      1.08       0.0
  EXD_7                JUNCTION            101.50      1.06       0.0
  EXD_8                JUNCTION            100.48      1.06       0.0
  EXD_9                JUNCTION            100.39      1.06       0.0
  J1                   JUNCTION            103.45      0.50       0.0
  J13                  JUNCTION            103.30      0.50       0.0
  J17                  JUNCTION            104.37      1.04       0.0
  J19                  JUNCTION            105.60      0.50       0.0
  J2                   JUNCTION            109.00      0.50       0.0
  J20                  JUNCTION            105.80      0.50       0.0
  J21                  JUNCTION            105.90      0.50       0.0
  J22                  JUNCTION            106.00      0.50       0.0
  J23                  JUNCTION            106.20      0.50       0.0
  J27                  JUNCTION            109.00      0.50       0.0
  J28                  JUNCTION            108.80      0.50       0.0
  J3                   JUNCTION            103.70      0.50       0.0
  J31                  JUNCTION            106.00      0.50       0.0
  J35                  JUNCTION            104.70      0.50       0.0
  J36                  JUNCTION            104.93      0.50       0.0
  J37                  JUNCTION            104.65      0.50       0.0
  J38                  JUNCTION            104.60      0.50       0.0
  J39                  JUNCTION            104.45      0.50       0.0
  J4                   JUNCTION            103.60      0.50       0.0
  J40                  JUNCTION            103.20      0.50       0.0
  J42                  JUNCTION            104.20      0.50       0.0
  J43                  JUNCTION            104.50      0.50       0.0
  J45                  JUNCTION            104.60      0.50       0.0
  J46                  JUNCTION            105.10      0.50       0.0
  J47                  JUNCTION            105.75      0.50       0.0
  J49                  JUNCTION            105.30      0.50       0.0
  J5                   JUNCTION            103.50      0.50       0.0
  J50                  JUNCTION            106.75      0.50       0.0
  J51                  JUNCTION            109.75      0.50       0.0
  J52                  JUNCTION            109.00      0.50       0.0
  J55                  JUNCTION            109.10      0.50       0.0
  J56                  JUNCTION            108.47      0.50       0.0
  J57                  JUNCTION            108.40      0.50       0.0
  J58                  JUNCTION            108.00      0.50       0.0
  J6                   JUNCTION            103.40      0.50       0.0
  J60                  JUNCTION            107.00      0.50       0.0
  J61                  JUNCTION            106.50      0.50       0.0
  J62                  JUNCTION            105.70      0.50       0.0
  J63                  JUNCTION            105.20      0.50       0.0
  J66                  JUNCTION            107.75      0.50       0.0
  J67                  JUNCTION            107.50      0.50       0.0
  J74                  JUNCTION             98.45      0.90       0.0
  OF1                  OUTFALL             100.80      0.00       0.0
  OF2                  OUTFALL               0.00      0.00       0.0
  OF3                  OUTFALL              98.00      1.06       0.0
  ST4_108A_(P-Stm)     OUTFALL              98.02      1.19       0.0
  500_(C-STRM)         STORAGE             100.37      2.79       0.0
  502_(C-STRM)         STORAGE             100.57      3.70       0.0
  503_(C-STRM)         STORAGE             100.61      3.91       0.0
  504_(C-STRM)         STORAGE             103.06      2.80       0.0
  505_(C-STRM)         STORAGE             103.48      3.27       0.0
  506_(C-STRM)         STORAGE             103.83      3.15       0.0
  507_(C-STRM)         STORAGE             104.17      3.19       0.0
  508_(C-STRM)         STORAGE             104.39      3.18       0.0
  509_(C-STRM)         STORAGE             104.62      3.12       0.0
  510_(C-STRM)         STORAGE             104.87      3.06       0.0
  511_(C-STRM)         STORAGE             104.94      3.06       0.0
  512_(C-STRM)         STORAGE             105.14      3.10       0.0
  513_(C-STRM)         STORAGE             105.27      3.12       0.0
  514_(C-STRM)         STORAGE             105.61      3.13       0.0
  515_(C-STRM)         STORAGE             105.88      3.22       0.0
  516_(C-STRM)         STORAGE             105.48      3.03       0.0
  517_(C-STRM)         STORAGE             105.64      3.00       0.0
  518_(C-STRM)         STORAGE             105.88      2.90       0.0
  519_(C-STRM)         STORAGE             106.10      2.79       0.0
  520_(C-STRM)         STORAGE             106.37      2.63       0.0
  522_(C-STRM)         STORAGE             104.31      3.00       0.0
  525_(C-STRM)         STORAGE             100.58      2.72       0.0
  528_(C-STRM)         STORAGE             100.70      2.71       0.0
  532_(C-STRM)         STORAGE             100.80      2.70       0.0
  536_(C-STRM)         STORAGE             100.95      2.65       0.0
  540_(C-STRM)         STORAGE             100.83      2.87       0.0
  541_(C-STRM)         STORAGE             100.91      2.92       0.0
  551_(C-STRM)         STORAGE             100.67      3.79       0.0
  552_(C-STRM)         STORAGE             100.77      3.86       0.0
  553_(C-STRM)         STORAGE             100.96      3.76       0.0
  554_(C-STRM)         STORAGE             101.08      3.89       0.0
  555_(C-STRM)         STORAGE             101.27      4.08       0.0
  556_(C-STRM)         STORAGE             101.39      4.21       0.0
  601_(C-STRM)         STORAGE             100.43      4.45       0.0
  602_(C-STRM)         STORAGE             100.48      4.16       0.0
  603_(C-STRM)         STORAGE             100.55      3.99       0.0
  604_(C-STRM)         STORAGE             100.63      5.14       0.0
  605_(C-STRM)         STORAGE             101.38      5.35       0.0
  619_(C-STRM)         STORAGE             101.12      5.40       0.0
  622_(C-STRM)         STORAGE             101.24      4.78       0.0
  626_(C-STRM)         STORAGE             104.00      3.20       0.0
  627_(C-STRM)         STORAGE             103.20      3.50       0.0
  629_(C-STRM)         STORAGE             101.71      4.40       0.0
  630_(C-STRM)         STORAGE             101.83      4.37       0.0
  630A_(C-STRM)        STORAGE             101.88      4.12       0.0
  633_(C-STRM)         STORAGE             105.30      0.50       0.0
  634_(C-STRM)         STORAGE             101.88      3.82       0.0
  637_(C-STRM)         STORAGE             105.35      0.50       0.0
  643_(C-STRM)         STORAGE             102.07      3.45       0.0
  644_(C-STRM)         STORAGE             102.54      3.17       0.0
  645_(C-STRM)         STORAGE             102.30      3.61       0.0
  646_(C-STRM)         STORAGE             102.43      3.34       0.0
  647_(C-STRM)         STORAGE             102.57      3.03       0.0
  650_(C-STRM)         STORAGE             100.99      5.17       0.0
  651_(C-STRM)         STORAGE             100.89      4.99       0.0
  652_(C-STRM)         STORAGE             100.87      4.97       0.0
  Filter_Bed           STORAGE             100.10      1.48       0.0
  Industrial_NORTH     STORAGE             105.20      0.50       0.0
  Industrial_South     STORAGE             105.00      0.50       0.0
  MTD_(C-STRM)         STORAGE             100.36      3.02       0.0
  OVERFLOW_(C-STRM)    STORAGE             100.17      2.83       0.0
  PARK                 STORAGE             105.36      0.50       0.0
  POND_(C-STRM)        STORAGE              98.45      2.65       0.0    Yes
  S_504-503            STORAGE             105.75      0.50       0.0
  S_525-MTD            STORAGE             103.45      0.50       0.0
  S_528-525            STORAGE             103.50      0.50       0.0
  S_532-528            STORAGE             103.65      0.50       0.0
  S_536-532            STORAGE             103.70      0.50       0.0
  S_540-536            STORAGE             103.85      0.50       0.0
  S_545-541            STORAGE             103.90      0.50       0.0
  S_607-605            STORAGE             107.90      0.50       0.0
  S_620-619            STORAGE             106.90      0.50       0.0
  S_622-619            STORAGE             106.00      0.50       0.0
  S_623-622            STORAGE             106.50      0.50       0.0
  S_627-630            STORAGE             106.70      0.50       0.0
  S_652-604            STORAGE             105.85      0.50       0.0
  Woodlot_North        STORAGE             106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                 From Node        To Node          Type            Length    %Slope
Roughness
  ------------------------------------------------------------------------------------
-
  BDR-C1               EXD_15           EXD_16           CONDUIT           17.7    0.3844
0.0250
  BDR-C2               EXD_20           EXD_21           CONDUIT            7.9    0.0632
0.0130
  BDR-C3               EXD_25           EXD_26           CONDUIT           14.2    0.2683
0.0130
  BDR-C4               EXD_12           EXD_27           CONDUIT           23.0    0.6077
0.0130
```

C1	J27	J28	CONDUIT	185.8	0.1077
0.0130					
C1_1	J28	J57	CONDUIT	329.5	0.1214
0.0130					
C1_11	J47	J43	CONDUIT	75.0	1.6661
0.0130					
C1_2	J55	J57	CONDUIT	190.6	0.3672
0.0130					
C1_3	J56	J57	CONDUIT	40.0	0.1748
0.0130					
C1_4	J58	J66	CONDUIT	70.2	0.3562
0.0130					
C1_5	J57	J58	CONDUIT	76.8	0.5205
0.0130					
C1_6	J66	J67	CONDUIT	70.0	0.3571
0.0130					
C1_7	J67	J60	CONDUIT	69.8	0.7166
0.0130					
C1_8	J60	J50	CONDUIT	73.0	0.3424
0.0130					
C1_9	J50	J47	CONDUIT	92.6	1.0800
0.0130					
C2	J2	EXD_1	CONDUIT	173.2	1.9632
0.0130					
C2_1	J51	J52	CONDUIT	39.5	1.8977
0.0130					
C2_10	J63	J36	CONDUIT	39.5	0.6883
0.0130					
C2_11	J36	J35	CONDUIT	72.0	0.3166
0.0130					
C2_12	J35	J37	CONDUIT	45.5	0.1098
0.0130					
C2_13	J37	J38	CONDUIT	28.9	0.1729
0.0130					
C2_14	J38	J39	CONDUIT	44.0	0.3457
0.0130					
C2_15	J39	J42	CONDUIT	72.0	0.3442
0.0130					
C2_16	J43	J42	CONDUIT	31.1	0.9633
0.0130					
C2_18	J45	J43	CONDUIT	70.2	0.1425
0.0130					
C2_2	J60	J61	CONDUIT	75.0	0.6666
0.0130					
C2_3	J52	J60	CONDUIT	165.4	1.2090
0.0130					
C2_4	J61	J31	CONDUIT	72.0	0.6944
0.0130					
C2_5	J23	J31	CONDUIT	163.3	0.1225
0.0130					
C2_7	J23	J22	CONDUIT	27.9	0.7165
0.0130					
C2_8	J19	J63	CONDUIT	110.8	0.3610
0.0130					
C2_9	J46	J45	CONDUIT	93.4	0.5355
0.0130					
C3	J3	J4	CONDUIT	72.6	0.1378
0.0130					
C3_2	J22	J21	CONDUIT	73.0	0.1370
0.0130					
C3_6	J21	J20	CONDUIT	75.8	0.1319
0.0130					
C3_7	J20	J19	CONDUIT	112.3	0.1781
0.0130					
C4	J4	J5	CONDUIT	49.7	0.2012
0.0130					
C4_5	J1	J13	CONDUIT	118.4	0.1267
0.0130					
C4_6	J42	J40	CONDUIT	45.9	2.1776
0.0130					
C4_7	J13	J40	CONDUIT	64.4	0.1553
0.0130					
C5	J5	J6	CONDUIT	68.4	0.1461
0.0130					
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054
0.0250					
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866
0.0250					
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893
0.0250					
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098
0.0250					
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876
0.0250					
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550
0.0250					
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893
0.0250					
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781
0.0250					
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645
0.0250					
C5_18	J31	J62	CONDUIT	71.0	0.4225
0.0130					
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558
0.0250					
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933
0.0250					
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645
0.0250					
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626
0.0250					
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299
0.0250					
C5_24	J62	J49	CONDUIT	91.3	0.4382
0.0130					
C5_25	J49	J38	CONDUIT	76.5	0.9152
0.0130					
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195
0.0250					
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880
0.0250					
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893
0.0250					
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871
0.0250					
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091
0.0250					
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095
0.0250					
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087
0.0250					
C6	J6	J13	CONDUIT	71.5	0.1398
0.0130					
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144
0.0130					
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998
0.0130					
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500
0.0130					
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500
0.0130					
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	CONDUIT	26.4	0.4998
0.0130					
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021
0.0130					
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	CONDUIT	14.0	0.5008
0.0130					
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502
0.0130					
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502
0.0130					
C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495
0.0130					
C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498
0.0130					
C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502
0.0130					
C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002
0.0130					
C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995
0.0130					
C-STRM-22_(1)_(C-STRM)	629_(C-STRM)	622_(C-STRM)	CONDUIT	81.4	0.1499
0.0130					
C-STRM-22_(C-STRM)	630_(C-STRM)	629_(C-STRM)	CONDUIT	82.1	0.1498
0.0130					
C-STRM-23_(C-STRM)	634_(C-STRM)	622_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-26_(1)_(C-STRM)	551_(C-STRM)	502_(C-STRM)	CONDUIT	60.8	0.1613
0.0130					
C-STRM-26_(C-STRM)	552_(C-STRM)	551_(C-STRM)	CONDUIT	60.3	0.1593
0.0130					
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	506_(C-STRM)	505_(C-STRM)	CONDUIT		
70.0	0.4998	0.0130			
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	507_(C-STRM)	506_(C-STRM)	CONDUIT	51.7	
0.5005	0.0130				
C-STRM-3_(1)_(1)_(1)_(C-STRM)	508_(C-STRM)	507_(C-STRM)	CONDUIT	45.5	
0.5011	0.0130				
C-STRM-3_(1)_(1)_(C-STRM)	509_(C-STRM)	508_(C-STRM)	CONDUIT	45.5	0.4989
0.0130					
C-STRM-3_(1)_(2)_(C-STRM)	510_(C-STRM)	509_(C-STRM)	CONDUIT	55.7	0.4507
0.0130					
C-STRM-3_(1)_(C-STRM)	511_(C-STRM)	510_(C-STRM)	CONDUIT	14.5	0.4469
0.0130					
C-STRM-33_(1)_(C-STRM)	646_(C-STRM)	645_(C-STRM)	CONDUIT	91.0	0.1505
0.0130					
C-STRM-33_(C-STRM)	647_(C-STRM)	646_(C-STRM)	CONDUIT	92.9	0.1496
0.0130					
C-STRM-34_(1)_(1)_(C-STRM)	555_(C-STRM)	554_(C-STRM)	CONDUIT	75.2	
0.1596	0.0130				
C-STRM-34_(1)_(C-STRM)	556_(C-STRM)	555_(C-STRM)	CONDUIT	75.2	0.1596
0.0130					
C-STRM-35_(1)_(C-STRM)	553_(C-STRM)	552_(C-STRM)	CONDUIT	72.1	0.1596
0.0130					
C-STRM-35_(C-STRM)	554_(C-STRM)	553_(C-STRM)	CONDUIT	72.0	0.1611
0.0130					
C-STRM-4_(1)_(C-STRM)	504_(C-STRM)	503_(C-STRM)	CONDUIT	83.2	0.6007
0.0130					
C-STRM-4_(C-STRM)	505_(C-STRM)	504_(C-STRM)	CONDUIT	84.0	0.4998
0.0130					
C-STRM-46_(1)_(1)_(C-STRM)	650_(C-STRM)	651_(C-STRM)	CONDUIT	68.0	
0.1500	0.0130				
C-STRM-46_(1)_(C-STRM)	619_(C-STRM)	650_(C-STRM)	CONDUIT	89.7	0.1506
0.0130					
C-STRM-49_(C-STRM)	541_(C-STRM)	540_(C-STRM)	CONDUIT	47.7	0.1508
0.0130					
C-STRM-50_(C-STRM)	540_(C-STRM)	536_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-51_(C-STRM)	536_(C-STRM)	532_(C-STRM)	CONDUIT	48.5	0.1505
0.0130					
C-STRM-52_(C-STRM)	532_(C-STRM)	528_(C-STRM)	CONDUIT	69.0	0.1507
0.0130					
C-STRM-53_(C-STRM)	528_(C-STRM)	525_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-57_(C-STRM)	503_(C-STRM)	502_(C-STRM)	CONDUIT	27.5	0.1489
0.0130					
C-STRM-60_(C-STRM)	644_(C-STRM)	643_(C-STRM)	CONDUIT	67.2	0.2486
0.0130					
C-STRM-62_(C-STRM)	520_(C-STRM)	519_(C-STRM)	CONDUIT	95.9	0.2003
0.0130					
C-STRM-63_(C-STRM)	519_(C-STRM)	518_(C-STRM)	CONDUIT	97.4	0.1498
0.0130					
C-STRM-64_(C-STRM)	522_(C-STRM)	EXD_1	CONDUIT	81.9	0.2504
0.0130					
C-STRM-76_(C-STRM)	525_(C-STRM)	MTD_(C-STRM)	CONDUIT	72.6	0.1998
0.0130					
C-STRM-77_(C-STRM)	MTD_(C-STRM)	OVERFLOW_(C-STRM)	CONDUIT	38.5	0.4986
0.0130					
C-STRM-78_(C-STRM)	502_(C-STRM)	MTD_(C-STRM)	CONDUIT	44.0	0.3003
0.0130					
C-STRM-79_(1)_(C-STRM)	604_(C-STRM)	603_(C-STRM)	CONDUIT	72.0	0.1000
0.0130					
C-STRM-79_(C-STRM)	605_(C-STRM)	604_(C-STRM)	CONDUIT	89.5	0.1508
0.0130					
C-STRM-8_(1)_(C-STRM)	514_(C-STRM)	513_(C-STRM)	CONDUIT	95.2	0.1997
0.0130					
C-STRM-8_(C-STRM)	515_(C-STRM)	514_(C-STRM)	CONDUIT	95.1	0.1997
0.0130					
C-STRM-80_(C-STRM)	603_(C-STRM)	602_(C-STRM)	CONDUIT	74.3	0.0996
0.0130					
C-STRM-81_(C-STRM)	602_(C-STRM)	601_(C-STRM)	CONDUIT	46.7	0.1007
0.0130					
C-STRM-82_(C-STRM)	601_(C-STRM)	POND_(C-STRM)	CONDUIT	33.0	0.1000
0.0130					
C-STRM-83_(1)_(C-STRM)	630A_(C-STRM)	630_(C-STRM)	CONDUIT	27.1	0.1513
0.0130					
C-STRM-84_(C-STRM)	622_(C-STRM)	619_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-87_(C-STRM)	645_(C-STRM)	644_(C-STRM)	CONDUIT	68.6	0.2494
0.0130					
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875
0.0130					
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114
0.0130					
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110
0.0130					
ST4-Pipe_-_(99)_(P-Stm)	J74	ST4_108A_(P-Stm)	CONDUIT	49.3	0.2840
0.0130					
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063
0.0250					
OR1	POND_(C-STRM)	J74	ORIFICE		
OR2	POND_(C-STRM)	J74	ORIFICE		
W10	637_(C-STRM)	J35	WEIR		
W11	633_(C-STRM)	J49	WEIR		
W12	S_652-604	J47	WEIR		
W13	S_545-541	J3	WEIR		
W14	S_540-536	J3	WEIR		
W15	S_536-532	J4	WEIR		
W16	S_532-528	J5	WEIR		
W17	S_528-525	J6	WEIR		
W2	POND_(C-STRM)	OF1	WEIR		
W3	S_504-503	J47	WEIR		
W4	S_627-630	J23	WEIR		
W5	S_525-MTD	J13	WEIR		
W6	S_623-622	J31	WEIR		
W7	S_620-619	J61	WEIR		
W8	S_607-605	J50	WEIR		
W9	S_622-619	J31	WEIR		
C-STRM-108_(1)_(C-STRM)	633_(C-STRM)	634_(C-STRM)	OUTLET		
C-STRM-14_(1)_(C-STRM)	S_607-605	605_(C-STRM)	OUTLET		
C-STRM-27_(C-STRM)	S_623-622	622_(C-STRM)	OUTLET		
C-STRM-42_(C-STRM)	S_545-541	541_(C-STRM)	OUTLET		
C-STRM-44_(1)_(C-STRM)	S_525-MTD	525_(C-STRM)	OUTLET		
C-STRM-45_(1)_(C-STRM)	S_620-619	619_(C-STRM)	OUTLET		
C-STRM-61_(C-STRM)	637_(C-STRM)	643_(C-STRM)	OUTLET		
C-STRM-71_(C-STRM)	Industrial_South	647_(C-STRM)	OUTLET		
C-STRM-83_(C-STRM)	Industrial_NORTH	630A_(C-STRM)	OUTLET		
C-STRM-93_(C-STRM)	S_540-536	540_(C-STRM)	OUTLET		
C-STRM-96_(1)_(C-STRM)	S_536-532	536_(C-STRM)	OUTLET		
C-STRM-97_(1)_(C-STRM)	S_532-528	532_(C-STRM)	OUTLET		
C-STRM-98_(1)_(C-STRM)	S_528-525	528_(C-STRM)	OUTLET		
OL1	S_622-619	622_(C-STRM)	OUTLET		
OL10	Filter_Bed	POND_(C-STRM)	OUTLET		
OL11	J50	505_(C-STRM)	OUTLET		
OL12	J60	506_(C-STRM)	OUTLET		
OL13	J58	511_(C-STRM)	OUTLET		
OL14	J57	513_(C-STRM)	OUTLET		
OL15	J28	518_(C-STRM)	OUTLET		
OL16	J2	522_(C-STRM)	OUTLET		
OL17	J27	520_(C-STRM)	OUTLET		
OL18	J19	647_(C-STRM)	OUTLET		
OL19	J20	646_(C-STRM)	OUTLET		
OL2	J35	553_(C-STRM)	OUTLET		
OL20	S_504-503	504_(C-STRM)	OUTLET		
OL21	PARK	602_(C-STRM)	OUTLET		

OL22	J21	645_(C-STRM)	OUTLET
OL3	J38	552_(C-STRM)	OUTLET
OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET
OL6	Woodlot_North	626_(C-STRM)	OUTLET
OL7	S_627-630	627_(C-STRM)	OUTLET
OL8	S_652-604	652_(C-STRM)	OUTLET
OL9	J47	504_(C-STRM)	OUTLET

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-200_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm) CIRCULAR		0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

****
Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2287	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4415	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9133	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2338	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1134	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4029	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912
0.3975	0.4038	0.4101	0.4147	0.4188
0.4228	0.4269	0.4309	0.4350	0.4390
0.4430	0.4471	0.4511	0.4552	0.4592
0.4633	0.4673	0.4719	0.4786	0.4852
0.4919	0.4986	0.5052	0.5119	0.5186
0.5252	0.5375	0.5591	0.5808	0.6126
0.6529	0.7560	0.7953	0.8372	1.0000

Transect Barnsdale_UPST5
Area:

0.0011	0.0046	0.0104	0.0185	0.0278
0.0383	0.0495	0.0612	0.0736	0.0865
0.1000	0.1141	0.1288	0.1443	0.1606
0.1778	0.1959	0.2143	0.2330	0.2518
0.2709	0.2903	0.3099	0.3296	0.3497
0.3699	0.3904	0.4111	0.4319	0.4530
0.4743	0.4958	0.5175	0.5395	0.5616
0.5839	0.6064	0.6292	0.6521	0.6753
0.6991	0.7235	0.7484	0.7740	0.8019
0.8364	0.8742	0.9142	0.9560	1.0000

Hrad:

0.0248	0.0493	0.0735	0.1040	0.1389
0.1735	0.2124	0.2498	0.2859	0.3209
0.3550	0.3881	0.4187	0.4434	0.4680
0.4924	0.5212	0.5606	0.5992	0.6372
0.6745	0.7111	0.7472	0.7827	0.8176
0.8520	0.8860	0.9202	0.9539	0.9872
1.0201	1.0525	1.0845	1.1162	1.1474
1.1784	1.2090	1.2392	1.2691	1.2876
1.2994	1.3117	1.3244	1.3163	1.1702
1.0461	1.0307	1.0260	1.0309	1.0000

Width:

0.0497	0.0999	0.1518	0.1903	0.2141
0.2355	0.2481	0.2607	0.2733	0.2859
0.2985	0.3111	0.3252	0.3438	0.3625
0.3813	0.3961	0.4010	0.4059	0.4108
0.4157	0.4206	0.4255	0.4303	0.4352
0.4401	0.4450	0.4494	0.4538	0.4583
0.4627	0.4672	0.4716	0.4761	0.4805
0.4850	0.4894	0.4938	0.4983	0.5078
0.5204	0.5330	0.5457	0.5684	0.6711
0.7919	0.8423	0.8866	0.9238	1.0000

Transect Barnsdale_UPST6
Area:

0.0014	0.0054	0.0102	0.0156	0.0217
0.0284	0.0356	0.0434	0.0517	0.0605
0.0698	0.0796	0.0899	0.1007	0.1121
0.1243	0.1373	0.1512	0.1656	0.1807
0.1962	0.2123	0.2291	0.2483	0.2703
0.2945	0.3189	0.3434	0.3680	0.3929
0.4178	0.4430	0.4687	0.4947	0.5212
0.5482	0.5760	0.6046	0.6335	0.6626
0.6921	0.7218	0.7518	0.7820	0.8133
0.8461	0.8801	0.9163	0.9564	1.0000

Hrad:

0.0226	0.0600	0.0982	0.1332	0.1659
0.1974	0.2291	0.2613	0.2925	0.3228
0.3524	0.3813	0.4096	0.4373	0.4557
0.4729	0.4908	0.5133	0.5388	0.5667
0.5954	0.6238	0.6186	0.5790	0.5404
0.5828	0.6246	0.6659	0.7067	0.7469
0.7867	0.8189	0.8502	0.8811	0.9116
0.9331	0.9497	0.9763	1.0109	1.0452
1.0791	1.1126	1.1458	1.1787	1.1574
1.1642	1.1570	1.1256	1.0602	1.0000

Width:

0.0656	0.0958	0.1094	0.1231	0.1368
0.1501	0.1622	0.1729	0.1837	0.1944
0.2052	0.2159	0.2267	0.2377	0.2539
0.2715	0.2891	0.3043	0.3175	0.3291
0.3399	0.3507	0.3819	0.4435	0.5186
0.5219	0.5251	0.5284	0.5317	0.5350
0.5382	0.5468	0.5558	0.5647	0.5737
0.5886	0.6068	0.6185	0.6243	0.6301
0.6359	0.6417	0.6475	0.6534	0.6932
0.7170	0.7512	0.8061	0.8978	1.0000

Transect Barnsdale_UPST7
Area:

0.0031	0.0077	0.0135	0.0206	0.0292
0.0385	0.0485	0.0590	0.0699	0.0811
0.0928	0.1047	0.1170	0.1297	0.1427
0.1561	0.1700	0.1843	0.1992	0.2145
0.2304	0.2467	0.2636	0.2810	0.3005
0.3224	0.3464	0.3708	0.3955	0.4204
0.4456	0.4710	0.4972	0.5239	0.5510
0.5784	0.6060	0.6340	0.6622	0.6907
0.7195	0.7487	0.7782	0.8081	0.8383
0.8691	0.9003	0.9322	0.9647	1.0000

Hrad:

0.0323	0.0624	0.0905	0.1084	0.1375
0.1686	0.1997	0.2314	0.2650	0.2977
0.3296	0.3608	0.3913	0.4212	0.4493
0.4751	0.5005	0.5247	0.5476	0.5703
0.5929	0.6154	0.6378	0.6601	0.5891
0.5938	0.5928	0.6266	0.6599	0.6927
0.7252	0.7501	0.7705	0.7948	0.8255
0.8559	0.8860	0.9157	0.9452	0.9727
1.0000	1.0270	1.0538	1.0784	1.1003
1.1221	1.1420	1.1557	1.1624	1.0000

Width:

0.0999	0.1304	0.1570	0.1994	0.2229
0.2396	0.2541	0.2664	0.2751	0.2837
0.2923	0.3010	0.3096	0.3183	0.3279
0.3390	0.3501	0.3618	0.3745	0.3872
0.3998	0.4124	0.4251	0.4377	0.5266
0.5610	0.6032	0.6092	0.6153	0.6213
0.6274	0.6399	0.6563	0.6692	0.6761
0.6830	0.6899	0.6967	0.7036	0.7118
0.7199	0.7281	0.7362	0.7458	0.7573
0.7688	0.7817	0.7991	0.8220	1.0000

Transect GBR
Area:

0.0002	0.0008	0.0018	0.0032	0.0051
0.0073	0.0099	0.0130	0.0164	0.0203
0.0245	0.0292	0.0343	0.0401	0.0532
0.0756	0.1002	0.1249	0.1496	0.1742
0.1989	0.2235	0.2482	0.2729	0.2975
0.3222	0.3468	0.3715	0.3962	0.4209
0.4460	0.4715	0.4974	0.5237	0.5505
0.5776	0.6051	0.6331	0.6614	0.6902
0.7193	0.7489	0.7789	0.8092	0.8400
0.8712	0.9028	0.9348	0.9672	1.0000

Hrad:

0.0148	0.0296	0.0444	0.0592	0.0741
0.0889	0.1037	0.1185	0.1333	0.1481
0.1629	0.1777	0.1925	0.1451	0.0889
0.0921	0.1522	0.1522	0.1821	0.2121
0.2420	0.2720	0.3019	0.3318	0.3616
0.3915	0.4213	0.4511	0.4809	0.5106
0.5398	0.5684	0.5963	0.6237	0.6505
0.6768	0.7026	0.7280	0.7529	0.7773
0.8013	0.8249	0.8480	0.8708	0.8932
0.9153	0.9369	0.9583	0.9793	1.0000

Width:

0.0123	0.0246	0.0369	0.0492	0.0614
0.0737	0.0860	0.0983	0.1106	0.1229
0.1352	0.1475	0.1598	0.2496	0.5446
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7542
0.7665	0.7788	0.7911	0.8034	0.8157
0.8280	0.8402	0.8525	0.8648	0.8771
0.8894	0.9017	0.9140	0.9263	0.9386
0.9508	0.9631	0.9754	0.9877	1.0000

Transect Pond_SpillWay
Area:

0.0040	0.0088	0.0142	0.0204	0.0274
0.0350	0.0434	0.0524	0.0622	0.0728
0.0840	0.0960	0.1087	0.1221	0.1362
0.1511	0.1666	0.1829	0.2000	0.2177
0.2362	0.2554	0.2753	0.2959	0.3173
0.3393	0.3621	0.3856	0.4099	0.4348
0.4600	0.4855	0.5113	0.5375	0.5640
0.5908	0.6180	0.6454	0.6732	0.7013
0.7297	0.7585	0.7875	0.8169	0.8466
0.8767	0.9070	0.9377	0.9687	1.0000

Hrad:

0.0187	0.0367	0.0543	0.0716	0.0888
0.1059	0.1230	0.1400	0.1570	0.1740
0.1910	0.2080	0.2251	0.2421	0.2592
0.2763	0.2935	0.3106	0.3278	0.3450
0.3622	0.3795	0.3967	0.4140	0.4313
0.4486	0.4660	0.4833	0.5007	0.5241
0.5500	0.5758	0.6013	0.6266	0.6517
0.6766	0.7013	0.7257	0.7498	0.7737
0.7974	0.8209	0.8441	0.8670	0.8898
0.9123	0.9345	0.9566	0.9784	1.0000

Width:

0.1394	0.1623	0.1853	0.2082	0.2311
0.2541	0.2770	0.2999	0.3229	0.3458
0.3687	0.3917	0.4146	0.4375	0.4605
0.4834	0.5063	0.5293	0.5522	0.5751
0.5981	0.6210	0.6439	0.6669	0.6898
0.7127	0.7357	0.7586	0.7815	0.7956
0.8059	0.8161	0.8263	0.8365	0.8467
0.8569	0.8672	0.8774	0.8876	0.8978
0.9080	0.9183	0.9285	0.9387	0.9489
0.9591	0.9693	0.9796	0.9898	1.0000

Transect ROW_14m
Area:

0.0004	0.0017	0.0038	0.0067	0.0104
0.0150	0.0204	0.0267	0.0338	0.0417
0.0504	0.0600	0.0704	0.0817	0.0938
0.1067	0.1204	0.1350	0.1504	0.1667
0.1838	0.2017	0.2204	0.2400	0.2605
0.2817	0.3038	0.3267	0.3502	0.3738
0.3973	0.4209	0.4446	0.4692	0.4952
0.5225	0.5510	0.5808	0.6118	0.6439
0.6767	0.7100	0.7440	0.7787	0.8140
0.8499	0.8865	0.9237	0.9615	1.0000

Hrad:

0.0169	0.0338	0.0507	0.0677	0.0846
0.1015	0.1184	0.1353	0.1522	0.1692
0.1861	0.2030	0.2199	0.2368	0.2537
0.2707	0.2876	0.3045	0.3214	0.3383
0.3552	0.3722	0.3891	0.4060	0.4229
0.4398	0.4567	0.4736	0.5027	0.5359
0.5691	0.6022	0.6353	0.6667	0.6957
0.7226	0.7474	0.7704	0.7918	0.8123
0.8326	0.8526	0.8721	0.8914	0.9103
0.9289	0.9471	0.9651	0.9827	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6200	0.6529	0.6857
0.7186	0.7514	0.7843	0.8171	0.8357
0.8521	0.8686	0.8850	0.9014	0.9179
0.9343	0.9507	0.9671	0.9836	1.0000

Transect ROW_14m_Mountable
Area:

0.0003	0.0012	0.0028	0.0049	0.0077
0.0111	0.0151	0.0197	0.0249	0.0307
0.0372	0.0442	0.0519	0.0602	0.0691
0.0787	0.0888	0.0996	0.1109	0.1229
0.1355	0.1487	0.1625	0.1770	0.1923
0.2092	0.2277	0.2477	0.2693	0.2924
0.3170	0.3433	0.3711	0.4004	0.4310
0.4626	0.4954	0.5293	0.5642	0.6002
0.6373	0.6755	0.7144	0.7538	0.7936
0.8340	0.8748	0.9160	0.9578	1.0000

Hrad:

0.0222	0.0445	0.0667	0.0889	0.1111
0.1334	0.1556	0.1778	0.2001	0.2223
0.2445	0.2667	0.2890	0.3112	0.3334
0.3556	0.3779	0.4001	0.4223	0.4446
0.4668	0.4890	0.5112	0.5335	0.5550
0.5733	0.5891	0.6029	0.6151	0.6263
0.6367	0.6465	0.6559	0.6653	0.6759
0.6872	0.6992	0.7116	0.7245	0.7378
0.7514	0.7663	0.7966	0.8266	0.8563
0.8856	0.9147	0.9434	0.9719	1.0000

Width:

0.0145	0.0290	0.0434	0.0579	0.0724
0.0869	0.1013	0.1158	0.1303	0.1448
0.1593	0.1737	0.1882	0.2027	0.2172
0.2316	0.2461	0.2606	0.2751	0.2896
0.3040	0.3185	0.3330	0.3475	0.3798
0.4164	0.4530	0.4897	0.5263	0.5629
0.5995	0.6362	0.6728	0.7080	0.7335
0.7591	0.7846	0.8102	0.8357	0.8613
0.8868	0.9114	0.9225	0.9336	0.9446
0.9557	0.9668	0.9779	0.9889	1.0000

Transect ROW_14m_PH3
Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0153	0.0209	0.0273	0.0345	0.0426
0.0516	0.0614	0.0721	0.0836	0.0959
0.1091	0.1232	0.1381	0.1539	0.1705
0.1880	0.2064	0.2255	0.2456	0.2665
0.2882	0.3108	0.3343	0.3583	0.3824
0.4065	0.4306	0.4548	0.4797	0.5055
0.5322	0.5598	0.5883	0.6176	0.6479
0.6791	0.7112	0.7441	0.7780	0.8127
0.8484	0.8850	0.9224	0.9608	1.0000

Hrad:

0.0166	0.0332	0.0498	0.0664	0.0830
0.0997	0.1163	0.1329	0.1495	0.1661
0.1827	0.1993	0.2159	0.2325	0.2491
0.2657	0.2823	0.2990	0.3156	0.3322
0.3488	0.3654	0.3820	0.3986	0.4152
0.4318	0.4484	0.4650	0.4935	0.5262
0.5588	0.5913	0.6238	0.6553	0.6853
0.7137	0.7407	0.7664	0.7909	0.8143
0.8366	0.8579	0.8783	0.8979	0.9166
0.9346	0.9519	0.9685	0.9845	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6160	0.6386	0.6612
0.6838	0.7063	0.7289	0.7515	0.7741
0.7967	0.8193	0.8419	0.8645	0.8871
0.9096	0.9322	0.9548	0.9774	1.0000

Transect ROW_14m-MB_1
Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0407	0.0484	0.0568	0.0659	0.0757
0.0861	0.0972	0.1089	0.1214	0.1345

0.1483	0.1631	0.1791	0.1963	0.2146
0.2342	0.2549	0.2768	0.2999	0.3242
0.3497	0.3764	0.4043	0.4333	0.4635
0.4949	0.5273	0.5601	0.5935	0.6274
0.6618	0.6967	0.7326	0.7693	0.8064
0.8441	0.8823	0.9210	0.9603	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0792	0.0990
0.1188	0.1386	0.1584	0.1782	0.1980
0.2178	0.2376	0.2574	0.2772	0.2971
0.3169	0.3367	0.3565	0.3763	0.3961
0.4159	0.4347	0.4520	0.4681	0.4834
0.4979	0.5119	0.5256	0.5389	0.5521
0.5650	0.5779	0.5907	0.6035	0.6162
0.6289	0.6560	0.6844	0.7123	0.7397
0.7667	0.7933	0.8190	0.8459	0.8726
0.8988	0.9247	0.9501	0.9752	1.0000

Width:

0.0168	0.0336	0.0504	0.0673	0.0841
0.1009	0.1177	0.1345	0.1513	0.1681
0.1849	0.2018	0.2186	0.2354	0.2522
0.2690	0.2858	0.3026	0.3195	0.3363
0.3552	0.3849	0.4146	0.4442	0.4739
0.5036	0.5332	0.5629	0.5926	0.6223
0.6519	0.7113	0.7409	0.7706	0.8003
0.8003	0.8150	0.8279	0.8407	0.8536
0.8664	0.8836	0.9093	0.9229	0.9357
0.9486	0.9614	0.9743	0.9871	1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003	0.0012	0.0027	0.0048	0.0074
0.0107	0.0145	0.0190	0.0240	0.0297
0.0359	0.0428	0.0502	0.0582	0.0668
0.0760	0.0858	0.0962	0.1072	0.1188
0.1309	0.1437	0.1571	0.1710	0.1856
0.2012	0.2183	0.2369	0.2570	0.2786
0.3017	0.3263	0.3524	0.3800	0.4091
0.4397	0.4719	0.5055	0.5406	0.5772
0.6153	0.6544	0.6944	0.7354	0.7772
0.8199	0.8636	0.9082	0.9536	1.0000

Hrad:

0.0233	0.0465	0.0698	0.0931	0.1163
0.1396	0.1628	0.1861	0.2094	0.2326
0.2559	0.2792	0.3024	0.3257	0.3489
0.3722	0.3955	0.4187	0.4420	0.4653
0.4885	0.5118	0.5350	0.5583	0.5816
0.6036	0.6224	0.6386	0.6529	0.6657
0.6773	0.6882	0.6985	0.7084	0.7180
0.7275	0.7370	0.7464	0.7559	0.7655
0.7817	0.8084	0.8343	0.8597	0.8844
0.9085	0.9321	0.9552	0.9779	1.0000

Width:

0.0127	0.0254	0.0380	0.0507	0.0634
0.0761	0.0888	0.1014	0.1141	0.1268
0.1395	0.1522	0.1648	0.1775	0.1902
0.2029	0.2156	0.2283	0.2409	0.2536
0.2663	0.2790	0.2917	0.3043	0.3170
0.3491	0.3812	0.4132	0.4453	0.4774
0.5095	0.5415	0.5736	0.6057	0.6378
0.6698	0.7019	0.7340	0.7661	0.7981
0.8255	0.8448	0.8642	0.8836	0.9030
0.9224	0.9418	0.9612	0.9806	1.0000

Transect ROW_16.5m_PH3

Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0154	0.0210	0.0275	0.0347	0.0429
0.0519	0.0618	0.0725	0.0841	0.0965
0.1098	0.1240	0.1390	0.1548	0.1716
0.1892	0.2076	0.2269	0.2471	0.2677
0.2884	0.3090	0.3297	0.3510	0.3731
0.3962	0.4201	0.4449	0.4705	0.4971
0.5245	0.5527	0.5819	0.6119	0.6428
0.6746	0.7073	0.7408	0.7752	0.8105
0.8466	0.8837	0.9216	0.9603	1.0000

Hrad:

0.0173	0.0347	0.0520	0.0694	0.0867
0.1041	0.1214	0.1388	0.1561	0.1735
0.1908	0.2082	0.2255	0.2429	0.2602
0.2776	0.2949	0.3123	0.3296	0.3470
0.3643	0.3817	0.3990	0.4164	0.4493
0.4834	0.5173	0.5513	0.5844	0.6155
0.6449	0.6727	0.6990	0.7239	0.7475
0.7699	0.7913	0.8116	0.8310	0.8496
0.8673	0.8843	0.9007	0.9164	0.9316
0.9462	0.9603	0.9739	0.9872	1.0000

Width:

0.0214	0.0428	0.0642	0.0856	0.1070
0.1284	0.1498	0.1712	0.1926	0.2140
0.2354	0.2568	0.2782	0.2996	0.3210
0.3424	0.3638	0.3852	0.4066	0.4280
0.4494	0.4708	0.4922	0.5136	0.5152
0.5152	0.5152	0.5200	0.5418	0.5636
0.5855	0.6073	0.6291	0.6509	0.6727
0.6945	0.7164	0.7382	0.7600	0.7818
0.8036	0.8255	0.8473	0.8691	0.8909
0.9127	0.9345	0.9564	0.9782	1.0000

Transect ROW_18m

Area:

0.0004	0.0016	0.0036	0.0064	0.0100
0.0144	0.0196	0.0255	0.0323	0.0399
0.0483	0.0575	0.0675	0.0782	0.0898
0.1022	0.1154	0.1293	0.1441	0.1597
0.1760	0.1932	0.2112	0.2299	0.2495
0.2698	0.2906	0.3114	0.3321	0.3529
0.3742	0.3967	0.4204	0.4452	0.4712
0.4983	0.5266	0.5560	0.5867	0.6184
0.6514	0.6855	0.7207	0.7571	0.7947
0.8335	0.8734	0.9144	0.9566	1.0000

Hrad:

0.0183	0.0366	0.0549	0.0732	0.0915
0.1098	0.1281	0.1464	0.1647	0.1829
0.2012	0.2195	0.2378	0.2561	0.2744
0.2927	0.3110	0.3293	0.3476	0.3659
0.3842	0.4025	0.4208	0.4391	0.4574
0.4757	0.5117	0.5476	0.5834	0.6192
0.6542	0.6864	0.7162	0.7437	0.7692
0.7927	0.8145	0.8348	0.8537	0.8713
0.8877	0.9031	0.9176	0.9313	0.9442
0.9565	0.9681	0.9792	0.9898	1.0000

Width:

0.0182	0.0363	0.0545	0.0726	0.0908
0.1090	0.1271	0.1453	0.1635	0.1816
0.1998	0.2179	0.2361	0.2543	0.2724
0.2906	0.3088	0.3269	0.3451	0.3632
0.3814	0.3996	0.4177	0.4359	0.4541
0.4722	0.4722	0.4722	0.4722	0.4722
0.4986	0.5250	0.5514	0.5778	0.6042
0.6306	0.6569	0.6833	0.7097	0.7361
0.7625	0.7889	0.8153	0.8417	0.8681
0.8944	0.9208	0.9472	0.9736	1.0000

Transect ROW_18m_MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0793	0.0991
0.1189	0.1387	0.1585	0.1783	0.1982
0.2180	0.2378	0.2576	0.2774	0.2972
0.3166	0.3340	0.3498	0.3646	0.3786
0.3921	0.4053	0.4183	0.4311	0.4439
0.4566	0.4770	0.5054	0.5332	0.5603
0.5869	0.6122	0.6360	0.6586	0.6807
0.7040	0.7271	0.7499	0.7723	0.7944
0.8163	0.8378	0.8591	0.8800	0.9007
0.9211	0.9412	0.9611	0.9807	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_MB_2

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0395	0.0593	0.0791	0.0989
0.1186	0.1384	0.1582	0.1780	0.1977
0.2175	0.2373	0.2571	0.2768	0.2966
0.3160	0.3333	0.3491	0.3638	0.3778
0.3913	0.4045	0.4174	0.4302	0.4430
0.4557	0.4780	0.5044	0.5321	0.5592
0.5857	0.6109	0.6347	0.6572	0.6793
0.7027	0.7258	0.7486	0.7711	0.7933
0.8152	0.8368	0.8581	0.8792	0.9000
0.9205	0.9408	0.9608	0.9805	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_Mountable

Area:

0.0003	0.0011	0.0026	0.0046	0.0072
0.0103	0.0140	0.0183	0.0232	0.0286
0.0346	0.0412	0.0484	0.0561	0.0644
0.0733	0.0827	0.0928	0.1034	0.1145
0.1263	0.1386	0.1515	0.1650	0.1799
0.1964	0.2143	0.2337	0.2546	0.2770
0.3009	0.3263	0.3532	0.3816	0.4115
0.4429	0.4758	0.5102	0.5459	0.5826
0.6202	0.6587	0.6981	0.7385	0.7797
0.8219	0.8651	0.9091	0.9541	1.0000

Hrad:

0.0235	0.0471	0.0706	0.0942	0.1177
0.1413	0.1648	0.1884	0.2119	0.2355
0.2590	0.2826	0.3061	0.3297	0.3532
0.3768	0.4003	0.4238	0.4474	0.4709
0.4945	0.5180	0.5416	0.5650	0.5852
0.6022	0.6168	0.6296	0.6410	0.6515
0.6613	0.6707	0.6799	0.6889	0.6979
0.7069	0.7161	0.7253	0.7478	0.7737
0.7989	0.8234	0.8474	0.8707	0.8935
0.9157	0.9375	0.9588	0.9796	1.0000

Width:

0.0124	0.0247	0.0371	0.0494	0.0618
0.0741	0.0865	0.0988	0.1112	0.1235
0.1359	0.1482	0.1606	0.1729	0.1853
0.1976	0.2100	0.2223	0.2347	0.2470
0.2594	0.2717	0.2841	0.3058	0.3381
0.3704	0.4027	0.4349	0.4672	0.4995
0.5318	0.5641	0.5964	0.6287	0.6610
0.6933	0.7255	0.7578	0.7807	0.8006
0.8206	0.8405	0.8604	0.8804	0.9003
0.9202	0.9402	0.9601	0.9801	1.0000

Transect ROW_18m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0154	0.0209	0.0273	0.0346	0.0427
0.0516	0.0614	0.0721	0.0836	0.0960
0.1092	0.1233	0.1382	0.1540	0.1707
0.1882	0.2065	0.2256	0.2447	0.2638
0.2830	0.3026	0.3232	0.3447	0.3670
0.3903	0.4144	0.4394	0.4653	0.4921
0.5197	0.5483	0.5777	0.6080	0.6392
0.6713	0.7043	0.7382	0.7729	0.8085
0.8451	0.8825	0.9208	0.9599	1.0000

Hrad:

0.0179	0.0359	0.0538	0.0717	0.0896
0.1076	0.1255	0.1434	0.1613	0.1793
0.1972	0.2151	0.2330	0.2510	0.2689
0.2868	0.3047	0.3227	0.3406	0.3585
0.3764	0.3944	0.4225	0.4577	0.4928
0.5279	0.5621	0.5942	0.6243	0.6525
0.6791	0.7042	0.7279	0.7504	0.7716
0.7918	0.8110	0.8292	0.8467	0.8634
0.8794	0.8948	0.9095	0.9238	0.9375
0.9508	0.9636	0.9761	0.9882	1.0000

Width:

0.0211	0.0421	0.0632	0.0843	0.1053
0.1264	0.1475	0.1685	0.1896	0.2107
0.2318	0.2528	0.2739	0.2950	0.3160
0.3371	0.3582	0.3792	0.4003	0.4214
0.4424	0.4635	0.4722	0.4722	0.4722
0.4782	0.4971	0.5190	0.5408	0.5627
0.5846	0.6064	0.6283	0.6502	0.6720
0.6939	0.7158	0.7376	0.7595	0.7813
0.8032	0.8251	0.8469	0.8688	0.8907
0.9125	0.9344	0.9563	0.9781	1.0000

Transect ROW_20m

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0193	0.0253	0.0320	0.0395
0.0478	0.0568	0.0667	0.0774	0.0888
0.1011	0.1141	0.1279	0.1425	0.1579
0.1741	0.1911	0.2088	0.2274	0.2464
0.2654	0.2844	0.3034	0.3226	0.3431
0.3644	0.3874	0.4114	0.4365	0.4629
0.4904	0.5191	0.5490	0.5801	0.6123
0.6458	0.6804	0.7162	0.7532	0.7914
0.8307	0.8713	0.9130	0.9559	1.0000

Hrad:

0.0190	0.0380	0.0570	0.0760	0.0950
0.1141	0.1331	0.1521	0.1711	0.1901
0.2091	0.2281	0.2471	0.2661	0.2851
0.3041	0.3231	0.3422	0.3612	0.3802
0.3992	0.4182	0.4372	0.4562	0.4926
0.5299	0.5672	0.6043	0.6411	0.6750
0.7060	0.7344	0.7603	0.7841	0.8059
0.8259	0.8444	0.8615	0.8773	0.8920
0.9057	0.9186	0.9307	0.9421	0.9529
0.9632	0.9730	0.9823	0.9913	1.0000

Width:

0.0177 0.0353 0.0530 0.0707 0.0883
0.1060 0.1237 0.1413 0.1590 0.1767
0.1943 0.2120 0.2297 0.2473 0.2650
0.2827 0.3003 0.3180 0.3357 0.3533
0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4591 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.6927 0.7164 0.7400 0.7636
0.7873 0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3981 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4465 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8713 0.8880 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4153 0.4593 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1968 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9305 0.9395 0.8568 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6600 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2112 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4072 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8746 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1653 0.2084 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4929 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017

0.3227	0.3453	0.3685	0.3919	0.4155
0.4393	0.4633	0.4875	0.5118	0.5364
0.5615	0.5871	0.6133	0.6408	0.6690
0.6977	0.7269	0.7568	0.7876	0.8192
0.8516	0.8851	0.9205	0.9583	1.0000

Hrad:

0.0356	0.0671	0.0952	0.1219	0.1526
0.1825	0.2111	0.2388	0.2457	0.2281
0.2626	0.2959	0.3290	0.3614	0.3872
0.4105	0.4302	0.4402	0.4405	0.4805
0.5198	0.5573	0.5905	0.6232	0.6553
0.6869	0.6742	0.7110	0.7474	0.7833
0.8187	0.8537	0.8883	0.9224	0.9509
0.9733	0.9956	1.0049	1.0036	1.0287
1.0536	1.0784	1.0896	1.1008	1.1169
1.1330	1.1274	1.1025	1.0707	1.0000

Width:

0.0541	0.0732	0.0923	0.1110	0.1246
0.1374	0.1502	0.1630	0.1916	0.2527
0.2652	0.2777	0.2895	0.3012	0.3179
0.3368	0.3586	0.3902	0.4339	0.4377
0.4416	0.4466	0.4547	0.4628	0.4709
0.4791	0.5224	0.5268	0.5312	0.5356
0.5400	0.5444	0.5488	0.5532	0.5611
0.5729	0.5847	0.6049	0.6332	0.6440
0.6548	0.6656	0.6857	0.7062	0.7236
0.7412	0.7753	0.8268	0.8894	1.0000

Transect Upstream5
Area:

0.0012	0.0039	0.0075	0.0122	0.0185
0.0256	0.0332	0.0413	0.0500	0.0592
0.0689	0.0792	0.0900	0.1012	0.1130
0.1251	0.1375	0.1502	0.1632	0.1765
0.1902	0.2041	0.2184	0.2330	0.2480
0.2635	0.2798	0.2968	0.3145	0.3331
0.3525	0.3727	0.3942	0.4178	0.4431
0.4698	0.4988	0.5309	0.5639	0.5984
0.6349	0.6722	0.7101	0.7485	0.7872
0.8265	0.8666	0.9084	0.9530	1.0000

Hrad:

0.0281	0.0626	0.0927	0.1114	0.1369
0.1752	0.2115	0.2463	0.2799	0.3124
0.3424	0.3749	0.4068	0.4379	0.4694
0.5056	0.5411	0.5759	0.6102	0.6439
0.6771	0.7099	0.7421	0.7699	0.7956
0.8104	0.8332	0.8570	0.8495	0.8616
0.8746	0.8886	0.8484	0.8428	0.8418
0.8363	0.8155	0.8068	0.8309	0.8203
0.8497	0.8801	0.9176	0.9547	0.9913
1.0230	1.0475	1.0267	1.0168	1.0000

Width:

0.0449	0.0640	0.0831	0.1124	0.1386
0.1495	0.1603	0.1712	0.1820	0.1929
0.2048	0.2146	0.2243	0.2341	0.2433
0.2496	0.2559	0.2622	0.2684	0.2747
0.2810	0.2873	0.2936	0.3016	0.3105
0.3241	0.3390	0.3539	0.3698	0.3865
0.4032	0.4199	0.4663	0.4984	0.5298
0.5663	0.6178	0.6645	0.6844	0.7354
0.7522	0.7779	0.7768	0.7857	0.7946
0.8074	0.8259	0.8838	0.9366	1.0000

Transect Upstream6
Area:

0.0020	0.0057	0.0101	0.0154	0.0216
0.0285	0.0362	0.0446	0.0534	0.0628
0.0726	0.0829	0.0939	0.1054	0.1174
0.1299	0.1429	0.1564	0.1705	0.1850
0.2000	0.2153	0.2310	0.2472	0.2637
0.2808	0.2986	0.3172	0.3364	0.3564
0.3786	0.4016	0.4255	0.4503	0.4760
0.5026	0.5304	0.5593	0.5897	0.6214
0.6541	0.6875	0.7215	0.7561	0.7915
0.8280	0.8671	0.9077	0.9506	1.0000

Hrad:

0.0333	0.0728	0.1080	0.1404	0.1714
0.2022	0.2321	0.2687	0.3047	0.3396
0.3717	0.4020	0.4318	0.4612	0.4948
0.5246	0.5534	0.5820	0.6106	0.6442
0.6773	0.7100	0.7423	0.7742	0.8057
0.8224	0.8398	0.8578	0.8777	0.8995
0.8582	0.8792	0.8979	0.9152	0.9345
0.9490	0.9612	0.9727	0.9697	0.9916
1.0145	1.0496	1.0816	1.1092	1.1367
1.1540	1.1196	1.1309	1.0883	1.0000

Width:

0.0616	0.0785	0.0947	0.1108	0.1267
0.1418	0.1569	0.1666	0.1758	0.1850
0.1952	0.2062	0.2171	0.2280	0.2365
0.2466	0.2570	0.2674	0.2776	0.2853
0.2930	0.3007	0.3084	0.3161	0.3238
0.3379	0.3520	0.3661	0.3797	0.4163
0.4379	0.4535	0.4707	0.4888	0.5050
0.5264	0.5485	0.5718	0.6051	0.6237
0.6417	0.6518	0.6637	0.6783	0.6930
0.7329	0.7718	0.8002	0.8718	1.0000

```
***************
Analysis Options
***************
Flow Units ..............  CMS
Process Models:
  Rainfall/Runoff .......  YES
  RDII ..................  NO
  Snowmelt ..............  NO
  Groundwater ...........  NO
  Flow Routing ..........  YES
  Ponding Allowed .......  NO
  Water Quality .........  NO
Infiltration Method .....  HORTON
Flow Routing Method .....  DYNWAVE
Surcharge Method ........  EXTRAN
Starting Date ...........  07/01/1979 00:00:00
Ending Date .............  07/02/1979 00:00:00
Antecedent Dry Days .....  0.0
Report Time Step ........  00:01:00
Wet Time Step ...........  00:01:00
Dry Time Step ...........  00:01:00
Routing Time Step .......  1.00 sec
Variable Time Step ......  YES
Maximum Trials ..........  8
Number of Threads .......  18
Head Tolerance ..........  0.001500 m


*************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
*************************     ---------       -------
Total Precipitation .....         7.015        83.988
Evaporation Loss ........         0.000         0.000
Infiltration Loss .......         2.070        24.785
Surface Runoff ..........         4.860        58.180
Final Storage ...........         0.087         1.039
Continuity Error (%) ....        -0.019


*************************        Volume       Volume
Flow Routing Continuity        hectare-m      10^6 ltr
*************************     ----------     ----------
Dry Weather Inflow ......         0.000          0.000
Wet Weather Inflow ......         4.860         48.596
Groundwater Inflow ......         0.000          0.000
RDII Inflow .............         0.000          0.000
External Inflow .........         0.000          0.000
External Outflow ........         3.859         38.588
Flooding Loss ...........         0.000          0.000
Evaporation Loss ........         0.000          0.000
Exfiltration Loss .......         0.089          0.889
Initial Stored Volume ....        0.000          0.000
Final Stored Volume ......        0.911          9.115
Continuity Error (%) .....        0.009


*************************
Highest Continuity Errors
*************************
Node J45 (40.64%)
Node J23 (4.72%)
Node J22 (4.38%)
Node J36 (4.19%)
Node J67 (4.12%)


***************************
Time-Step Critical Elements
***************************
None


*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-83_(C-STRM) (15)
Link OL3 (9)
Link C-STRM-71_(C-STRM) (9)
Link OL22 (9)
Link OL15 (6)


*********************************
Most Frequent Nonconverging Nodes
*********************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.44 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
     1.000 -  0.871 sec     :    99.72 %
     0.871 -  0.758 sec     :     0.05 %
     0.758 -  0.660 sec     :     0.05 %
     0.660 -  0.574 sec     :     0.04 %
     0.574 -  0.500 sec     :     0.14 %


***************************
Subcatchment Runoff Summary
***************************
```

Subcatchment	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Peak Runoff CMS	Runoff Coeff	Total Runoff 10^6 ltr
A15_1	83.99	0.00	0.00	60.08	15.64	6.94	22.58	0.30	0.269	0.07
A15_2	83.99	0.00	0.00	61.87	15.64	5.17	20.81	0.45	0.248	0.11
A18	83.99	0.00	0.00	28.85	32.26	22.29	54.54	0.32	0.649	0.14
A19	83.99	0.00	0.00	39.30	18.41	25.94	44.35	0.49	0.528	0.20
A20	83.99	0.00	0.00	66.56	6.90	9.24	16.14	0.78	0.192	0.14
NULL3	83.99	0.00	0.00	7.44	68.71	6.56	75.27	0.43	0.896	0.16
S1	83.99	0.00	0.00	18.94	53.00	48.16	64.06	4.17	0.763	1.78
S1_1	83.99	0.00	0.00	13.47	58.91	22.32	69.44	0.07	0.827	0.03
S1_2	83.99	0.00	0.00	13.56	58.90	22.23	69.35	0.10	0.826	0.04
S10_1	83.99	0.00	0.00	18.94	53.00	48.16	64.06	1.18	0.763	0.50
S10_2	83.99	0.00	0.00	18.94	53.00	48.16	64.06	1.36	0.763	0.58
S10_4	83.99	0.00	0.00	18.94	53.00	48.16	64.06	0.47	0.763	0.20
S10_5	83.99	0.00	0.00	18.94	53.00	48.16	64.06	0.81	0.763	0.35
S11	83.99	0.00	0.00	55.23	0.00	28.76	28.76	0.95	0.342	0.36
S12	83.99	0.00	0.00	13.62	58.90	22.16	69.28	0.30	0.825	0.12
S14_1	83.99	0.00	0.00	13.70	58.90	22.09	69.20	0.42	0.824	0.17
S14_3	83.99	0.00	0.00	13.89	58.89	21.89	69.00	0.73	0.822	0.30
S14_4	83.99	0.00	0.00	13.80	58.89	21.98	69.10	0.21	0.823	0.09
S14_5	83.99	0.00	0.00	13.86	58.89	21.92	69.03	1.16	0.822	0.48
S14_6	83.99	0.00	0.00	13.76	58.90	22.02	69.14	0.19	0.823	0.08
S14_7	83.99	0.00	0.00	13.80	58.89	21.99	69.10	0.83	0.823	0.34
S14_8	83.99	0.00	0.00	13.80	58.89	21.98	69.09	0.29	0.823	0.12
S15	83.99	0.00	0.00	18.94	53.00	48.16	64.06	1.05	0.763	0.45
S16_1	83.99	0.00	0.00	0.00	82.39	0.00	82.39	0.38	0.981	0.12
S16_2	83.99	0.00	0.00	0.00	82.33	0.00	82.33	0.81	0.980	0.22
S17	83.99	0.00	0.00	67.29	2.75	16.65	16.65	1.04	0.198	0.23
S18_2	83.99	0.00	0.00	17.58	55.35	48.77	65.38	2.19	0.778	0.93
S18_3	83.99	0.00	0.00	17.58	55.35	48.77	65.38	1.08	0.778	0.46
S18_4	83.99	0.00	0.00	17.58	55.35	48.77	65.38	0.57	0.778	0.24
S18_5	83.99	0.00	0.00	17.58	55.35	48.77	65.38	1.20	0.778	0.51
S18_6	83.99	0.00	0.00	17.58	55.35	48.77	65.38	0.55	0.778	0.23
S19	83.99	0.00	0.00	13.78	58.90	22.00	69.12	0.67	0.823	0.28
S2	83.99	0.00	0.00	13.83	58.89	21.95	69.06	0.26	0.822	0.11
S2_1	83.99	0.00	0.00	17.58	55.35	48.77	65.38	2.05	0.778	0.87
S2_2	83.99	0.00	0.00	17.58	55.35	48.77	65.38	0.66	0.778	0.28
S20_1	83.99	0.00	0.00	13.69	58.90	22.09	69.21	0.31	0.824	0.13
S20_2	83.99	0.00	0.00	13.71	58.90	22.07	69.19	0.16	0.824	0.07
S3	83.99	0.00	0.00	18.94	53.00	48.16	64.06	1.36	0.763	0.58
S32_1	83.99	0.00	0.00	13.60	58.90	22.18	69.30	0.30	0.825	0.12
S32_2	83.99	0.00	0.00	18.94	53.00	48.16	64.06	0.10	0.763	0.04

S36			83.99	0.00	0.00	0.00	82.26	0.00
82.26	1.50	0.36	0.979					
S4			83.99	0.00	0.00	7.52	70.63	4.48
75.11	9.93	3.23	0.894					
S5			83.99	0.00	0.00	6.94	70.65	5.06
75.71	2.42	0.87	0.901					
S6			83.99	0.00	0.00	20.10	47.12	25.33
63.03	0.22	0.10	0.750					
S7			83.99	0.00	0.00	6.89	70.65	5.11
75.76	3.02	1.10	0.902					
S8			83.99	0.00	0.00	36.63	29.44	46.81
46.81	0.75	0.27	0.557					

****
Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.15	104.54	0 01:30	0.15
EXD_10	JUNCTION	0.05	0.42	99.07	0 01:41	0.42
EXD_11	JUNCTION	0.04	0.30	98.80	0 01:41	0.30
EXD_12	JUNCTION	0.06	0.44	98.75	0 01:40	0.44
EXD_13	JUNCTION	0.01	0.16	104.48	0 01:31	0.16
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.05	0.43	100.69	0 01:40	0.42
EXD_16	JUNCTION	0.03	0.19	100.39	0 01:41	0.19
EXD_17	JUNCTION	0.03	0.18	100.26	0 01:43	0.18
EXD_18	JUNCTION	0.02	0.23	99.63	0 01:42	0.23
EXD_19	JUNCTION	0.05	0.43	99.62	0 01:40	0.43
EXD_2	JUNCTION	0.03	0.25	103.72	0 01:34	0.25
EXD_20	JUNCTION	0.05	0.44	99.62	0 01:40	0.44
EXD_21	JUNCTION	0.04	0.31	99.49	0 01:41	0.31
EXD_22	JUNCTION	0.03	0.21	99.35	0 01:44	0.21
EXD_23	JUNCTION	0.05	0.32	99.07	0 01:47	0.32
EXD_24	JUNCTION	0.02	0.29	98.96	0 01:40	0.29
EXD_25	JUNCTION	0.05	0.43	98.95	0 01:41	0.43
EXD_26	JUNCTION	0.02	0.21	98.70	0 01:44	0.21
EXD_27	JUNCTION	0.05	0.37	98.54	0 01:40	0.37
EXD_3	JUNCTION	0.01	0.13	103.32	0 01:35	0.13
EXD_4	JUNCTION	0.01	0.13	102.78	0 01:36	0.13
EXD_5	JUNCTION	0.01	0.20	102.70	0 01:36	0.20
EXD_6	JUNCTION	0.01	0.13	102.45	0 01:37	0.13
EXD_7	JUNCTION	0.02	0.20	101.69	0 01:44	0.20
EXD_8	JUNCTION	0.07	0.89	101.37	0 02:00	0.89
EXD_9	JUNCTION	0.03	0.22	100.61	0 02:02	0.22
J1	JUNCTION	0.00	0.04	103.49	0 01:43	0.04
J13	JUNCTION	0.01	0.19	103.49	0 01:41	0.19
J17	JUNCTION	0.01	0.14	104.52	0 01:30	0.14
J19	JUNCTION	0.00	0.07	105.32	0 01:32	0.07
J2	JUNCTION	0.00	0.04	109.04	0 01:30	0.04
J20	JUNCTION	0.00	0.08	105.88	0 01:30	0.08
J21	JUNCTION	0.00	0.05	105.95	0 01:30	0.05
J22	JUNCTION	0.00	0.06	106.06	0 01:43	0.06
J23	JUNCTION	0.00	0.04	106.24	0 01:40	0.04
J27	JUNCTION	0.00	0.07	109.07	0 01:30	0.07
J28	JUNCTION	0.00	0.09	108.09	0 01:31	0.09
J3	JUNCTION	0.00	0.09	103.79	0 01:38	0.09
J31	JUNCTION	0.00	0.12	106.12	0 01:39	0.12
J35	JUNCTION	0.00	0.13	104.83	0 01:40	0.13
J36	JUNCTION	0.00	0.06	104.99	0 01:37	0.06
J37	JUNCTION	0.00	0.12	104.77	0 01:40	0.12
J38	JUNCTION	0.00	0.15	104.75	0 01:41	0.15
J39	JUNCTION	0.00	0.15	104.60	0 01:42	0.15
J4	JUNCTION	0.00	0.10	103.70	0 01:37	0.10
J40	JUNCTION	0.00	0.21	103.41	0 01:42	0.21
J42	JUNCTION	0.00	0.13	104.33	0 01:41	0.13
J43	JUNCTION	0.00	0.12	104.62	0 01:40	0.12
J45	JUNCTION	0.00	0.02	104.62	0 01:42	0.02
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.11	105.86	0 01:40	0.11
J49	JUNCTION	0.00	0.11	105.81	0 01:41	0.11
J5	JUNCTION	0.00	0.13	103.63	0 01:37	0.13
J50	JUNCTION	0.00	0.10	106.85	0 01:40	0.10
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0 00:00	0.00
J57	JUNCTION	0.00	0.06	108.46	0 01:32	0.06
J58	JUNCTION	0.00	0.07	108.07	0 01:31	0.07
J6	JUNCTION	0.00	0.14	103.54	0 01:38	0.14
J60	JUNCTION	0.00	0.06	107.06	0 01:30	0.06
J61	JUNCTION	0.00	0.08	106.58	0 01:37	0.08
J62	JUNCTION	0.00	0.12	105.82	0 01:41	0.12
J63	JUNCTION	0.00	0.05	105.25	0 01:35	0.05
J66	JUNCTION	0.00	0.07	107.82	0 01:34	0.07
J67	JUNCTION	0.00	0.06	107.56	0 01:37	0.06
J74	JUNCTION	0.42	0.57	99.02	0 02:22	0.57
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.04	0.33	98.33	0 01:40	0.33
ST4_108A_(P-Stm)	OUTFALL	0.00	0.00	98.02	0 00:00	0.00
500_(C-STRM)	STORAGE	0.34	0.62	100.99	0 01:45	0.62
502_(C-STRM)	STORAGE	0.15	1.76	102.33	0 01:45	1.76
503_(C-STRM)	STORAGE	0.14	1.87	102.49	0 01:45	1.87
504_(C-STRM)	STORAGE	0.35	1.32	104.38	0 01:44	1.32
505_(C-STRM)	STORAGE	0.35	1.63	105.11	0 01:44	1.63
506_(C-STRM)	STORAGE	0.36	1.80	105.63	0 01:43	1.79
507_(C-STRM)	STORAGE	0.35	1.83	106.00	0 01:44	1.83
508_(C-STRM)	STORAGE	0.35	1.95	106.34	0 01:44	1.94
509_(C-STRM)	STORAGE	0.36	2.08	106.70	0 01:45	2.08
510_(C-STRM)	STORAGE	0.36	2.12	106.99	0 01:45	2.12
511_(C-STRM)	STORAGE	0.36	2.14	107.08	0 01:45	2.14
512_(C-STRM)	STORAGE	0.36	2.25	107.38	0 01:45	2.24
513_(C-STRM)	STORAGE	0.36	2.24	107.51	0 01:45	2.24
514_(C-STRM)	STORAGE	0.32	1.91	107.52	0 01:45	1.90
515_(C-STRM)	STORAGE	0.31	1.66	107.53	0 01:45	1.65
516_(C-STRM)	STORAGE	0.36	2.29	107.77	0 01:45	2.29
517_(C-STRM)	STORAGE	0.36	2.40	108.04	0 01:44	2.39
518_(C-STRM)	STORAGE	0.37	2.71	108.59	0 01:43	2.71
519_(C-STRM)	STORAGE	0.35	2.51	108.61	0 01:42	2.49
520_(C-STRM)	STORAGE	0.35	2.38	108.74	0 01:41	2.37
522_(C-STRM)	STORAGE	0.31	0.65	104.95	0 01:38	0.65
525_(C-STRM)	STORAGE	0.15	1.76	102.34	0 01:47	1.76
528_(C-STRM)	STORAGE	0.12	1.90	102.60	0 01:48	1.90
532_(C-STRM)	STORAGE	0.10	1.95	102.85	0 01:48	1.95
536_(C-STRM)	STORAGE	0.10	1.95	102.90	0 01:49	1.95
540_(C-STRM)	STORAGE	0.39	2.19	103.02	0 01:49	2.19
541_(C-STRM)	STORAGE	0.38	2.18	103.08	0 01:49	2.18
551_(C-STRM)	STORAGE	0.36	1.73	102.40	0 01:46	1.73
552_(C-STRM)	STORAGE	0.35	1.70	102.47	0 01:48	1.70
553_(C-STRM)	STORAGE	0.35	1.59	102.55	0 01:48	1.59
554_(C-STRM)	STORAGE	0.33	1.47	102.55	0 01:48	1.47
555_(C-STRM)	STORAGE	0.31	1.28	102.55	0 01:47	1.28
556_(C-STRM)	STORAGE	0.30	1.16	102.55	0 01:47	1.16
601_(C-STRM)	STORAGE	0.19	1.26	101.69	0 01:54	1.26
602_(C-STRM)	STORAGE	0.19	1.81	102.29	0 01:53	1.81
603_(C-STRM)	STORAGE	0.17	1.91	102.46	0 01:53	1.91
604_(C-STRM)	STORAGE	0.17	2.22	102.85	0 01:53	2.22
605_(C-STRM)	STORAGE	0.15	1.59	102.97	0 01:53	1.59
619_(C-STRM)	STORAGE	0.16	2.91	104.04	0 01:52	2.91
622_(C-STRM)	STORAGE	0.17	3.16	104.40	0 01:52	3.16
626_(C-STRM)	STORAGE	0.31	1.23	105.22	0 01:53	1.23
627_(C-STRM)	STORAGE	0.35	1.85	105.04	0 01:52	1.85
629_(C-STRM)	STORAGE	0.15	2.86	104.57	0 01:52	2.86
630_(C-STRM)	STORAGE	0.15	2.91	104.75	0 01:52	2.91
630A_(C-STRM)	STORAGE	0.14	2.93	104.80	0 01:52	2.93
633_(C-STRM)	STORAGE	0.01	0.14	105.44	0 01:31	0.14
634_(C-STRM)	STORAGE	0.38	2.68	104.57	0 01:50	2.68
637_(C-STRM)	STORAGE	0.00	0.16	105.51	0 01:40	0.16
643_(C-STRM)	STORAGE	0.37	2.66	104.73	0 01:50	2.66
644_(C-STRM)	STORAGE	0.34	2.24	104.78	0 01:50	2.24
645_(C-STRM)	STORAGE	0.11	2.60	104.89	0 01:52	2.60
646_(C-STRM)	STORAGE	0.10	2.58	105.02	0 01:48	2.58
647_(C-STRM)	STORAGE	0.09	2.53	105.10	0 01:48	2.53
650_(C-STRM)	STORAGE	0.16	2.61	103.60	0 01:53	2.61
651_(C-STRM)	STORAGE	0.16	2.48	103.36	0 01:53	2.48
652_(C-STRM)	STORAGE	0.16	2.39	103.26	0 01:53	2.39
Filter_Bed	STORAGE	0.38	0.92	101.02	0 01:44	0.92
Industrial_NORTH	STORAGE	0.00	0.10	105.30	0 01:41	0.10
Industrial_South	STORAGE	0.00	0.18	105.18	0 01:41	0.18
MTD_(C-STRM)	STORAGE	0.24	1.63	101.99	0 01:45	1.63
OVERFLOW_(C-STRM)	STORAGE	0.34	1.03	101.20	0 01:45	1.03
PARK	STORAGE	0.00	0.16	105.52	0 01:58	0.16
POND_(C-STRM)	STORAGE	1.89	2.54	100.99	0 02:21	2.54
S_504-503	STORAGE	0.00	0.11	105.86	0 01:32	0.11
S_525-MTD	STORAGE	0.00	0.15	103.60	0 01:36	0.15
S_528-525	STORAGE	0.00	0.14	103.64	0 01:36	0.14
S_532-528	STORAGE	0.00	0.13	103.78	0 01:34	0.13
S_536-532	STORAGE	0.00	0.20	103.90	0 01:34	0.20
S_540-536	STORAGE	0.00	0.18	104.03	0 01:33	0.18
S_545-541	STORAGE	0.00	0.17	104.07	0 01:40	0.17
S_607-605	STORAGE	0.01	0.19	108.09	0 01:40	0.19
S_620-619	STORAGE	0.00	0.19	107.09	0 01:36	0.19
S_622-619	STORAGE	0.00	0.13	106.13	0 01:40	0.13
S_623-622	STORAGE	0.00	0.20	106.70	0 01:35	0.20
S_627-630	STORAGE	0.00	0.12	106.82	0 01:36	0.12
S_652-604	STORAGE	0.00	0.15	106.00	0 01:38	0.15
Woodlot_North	STORAGE	0.02	0.35	107.10	0 02:11	0.35

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.121	0 01:30	0	0.302	- 0.031
EXD_10	JUNCTION	0.479	0.808	0 01:40	1.88	4.33	- 0.084
EXD_11	JUNCTION	0.000	0.792	0 01:41	0	4.33	0.005
EXD_12	JUNCTION	0.106	0.878	0 01:40	0.447	4.78	- 0.000
EXD_13	JUNCTION	0.000	0.119	0 01:30	0	0.302	- 0.120
EXD_14	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.145	0.145	0 01:30	0.78	0.78	- 0.002
EXD_16	JUNCTION	0.000	0.116	0 01:40	0	0.78	- 0.082
EXD_17	JUNCTION	0.000	0.116	0 01:42	0	0.781	- 0.012
EXD_18	JUNCTION	0.000	0.115	0 01:43	0	0.781	0.246
EXD_19	JUNCTION	0.000	0.128	0 02:03	0	0.788	- 0.118
EXD_2	JUNCTION	0.000	0.117	0 01:31	0	0.302	0.249
EXD_20	JUNCTION	0.197	0.259	0 01:40	0.491	1.28	- 0.007
EXD_21	JUNCTION	0.000	0.258	0 01:40	0	1.27	- 0.024
EXD_22	JUNCTION	0.000	0.257	0 01:41	0	1.27	- 0.115
EXD_23	JUNCTION	0.000	0.256	0 01:44	0	1.27	0.177
EXD_24	JUNCTION	0.000	0.254	0 01:48	0	1.27	0.078
EXD_25	JUNCTION	0.145	0.330	0 01:41	0.324	1.59	0.010
EXD_26	JUNCTION	0.000	0.399	0 01:41	0	1.59	0.028
EXD_27	JUNCTION	0.164	1.291	0 01:40	0.425	6.8	- 0.006
EXD_3	JUNCTION	0.000	0.112	0 01:34	0	0.301	0.071
EXD_4	JUNCTION	0.000	0.112	0 01:35	0	0.301	0.024
EXD_5	JUNCTION	0.000	0.112	0 01:36	0	0.301	- 0.001
EXD_6	JUNCTION	0.000	0.112	0 01:36	0	0.301	- 0.704
EXD_7	JUNCTION	0.227	0.318	0 01:40	1.04	1.35	0.265
EXD_8	JUNCTION	0.289	0.562	0 01:40	1.11	2.45	- 0.031
EXD_9	JUNCTION	0.000	0.411	0 02:00	0	2.45	0.185
J1	JUNCTION	0.000	0.039	0 01:39	0	0.0101	54.631
J13	JUNCTION	0.000	0.811	0 01:38	0	0.741	- 0.004
J17	JUNCTION	0.000	0.121	0 01:30	0	0.302	- 0.055
J19	JUNCTION	0.027	0.085	0 01:30	0.0651	0.118	0.343
J2	JUNCTION	0.124	0.124	0 01:30	0.302	0.302	- 0.085
J20	JUNCTION	0.106	0.122	0 01:30	0.257	0.278	- 0.722
J21	JUNCTION	0.040	0.043	0 01:40	0.0965	0.115	0.065
J22	JUNCTION	0.000	0.028	0 01:40	0	0.0189	4.577
J23	JUNCTION	0.000	0.045	0 01:36	0	0.0284	4.958
J27	JUNCTION	0.172	0.172	0 01:30	0.418	0.418	- 0.970
J28	JUNCTION	0.478	0.515	0 01:30	1.16	1.19	- 0.026
J3	JUNCTION	0.000	0.327	0 01:37	0	0.319	- 0.002
J31	JUNCTION	0.000	0.400	0 01:37	0	0.331	- 0.530
J35	JUNCTION	0.275	0.431	0 01:39	0.67	0.898	- 0.474
J36	JUNCTION	0.000	0.057	0 01:35	0	0.0583	4.368
J37	JUNCTION	0.000	0.231	0 01:40	0	0.197	0.630
J38	JUNCTION	0.067	0.696	0 01:40	0.164	0.8	- 0.198
J39	JUNCTION	0.000	0.644	0 01:41	0	0.597	0.680
J4	JUNCTION	0.000	0.490	0 01:36	0	0.455	0.005
J40	JUNCTION	0.000	1.867	0 01:41	0	1.79	0.016
J42	JUNCTION	0.129	1.209	0 01:41	0.312	1.42	- 0.326
J43	JUNCTION	0.122	0.639	0 01:40	0.296	0.852	- 0.230
J45	JUNCTION	0.000	0.008	0 01:38	0	0.00254	68.455
J46	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J47	JUNCTION	0.087	0.630	0 01:40	0.212	0.797	- 0.023
J49	JUNCTION	0.000	0.447	0 01:40	0	0.44	- 0.126

J5	JUNCTION	0.000	0.557	0	01:36	0	0.51	- 0.001
J50	JUNCTION	0.121	0.511	0	01:40	0.295	0.795	0.330
J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J57	JUNCTION	0.301	0.355	0	01:30	0.732	0.782	- 0.069
J58	JUNCTION	0.079	0.146	0	01:30	0.192	0.256	- 0.432
J6	JUNCTION	0.000	0.679	0	01:37	0	0.611	0.000
J60	JUNCTION	0.339	0.361	0	01:30	0.826	0.891	- 0.658
J61	JUNCTION	0.000	0.171	0	01:35	0	0.142	- 0.349
J62	JUNCTION	0.000	0.390	0	01:40	0	0.333	1.201
J63	JUNCTION	0.000	0.059	0	01:33	0	0.0588	0.843
J66	JUNCTION	0.000	0.082	0	01:32	0	0.0684	0.142
J67	JUNCTION	0.000	0.078	0	01:34	0	0.0683	4.294
J74	JUNCTION	0.000	0.503	0	02:21	0	26.7	0.052
OF1	OUTFALL	0.000	1.338	0	02:21	0	4.89	0.000
OF2	OUTFALL	0.095	0.095	0	01:30	0.215	0.215	0.000
OF3	OUTFALL	0.000	1.284	0	01:40	0	6.8	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.503	0	02:22	0	26.7	0.000
500_(C-STRM)	STORAGE	0.000	0.248	0	01:45	0	0.858	- 0.285
502_(C-STRM)	STORAGE	0.000	1.366	0	01:44	0	5.55	0.024
503_(C-STRM)	STORAGE	0.000	1.044	0	01:44	0	4.28	- 0.001
504_(C-STRM)	STORAGE	0.000	0.962	0	01:44	0	3.93	- 0.102
505_(C-STRM)	STORAGE	0.000	0.883	0	01:43	0	3.6	0.046
506_(C-STRM)	STORAGE	0.000	0.803	0	01:43	0	3.26	0.149
507_(C-STRM)	STORAGE	0.000	0.605	0	01:46	0	2.44	- 0.283
508_(C-STRM)	STORAGE	0.000	0.601	0	01:45	0	2.44	0.007
509_(C-STRM)	STORAGE	0.000	0.599	0	01:45	0	2.44	- 0.014
510_(C-STRM)	STORAGE	0.000	0.599	0	01:45	0	2.45	0.054
511_(C-STRM)	STORAGE	0.000	0.599	0	01:45	0	2.45	0.034
512_(C-STRM)	STORAGE	0.000	0.548	0	01:45	0	2.26	- 0.029
513_(C-STRM)	STORAGE	0.000	0.588	0	01:43	0	2.32	0.198
514_(C-STRM)	STORAGE	0.000	0.074	0	01:23	0	0.0745	2.453
515_(C-STRM)	STORAGE	0.000	0.036	0	01:25	0	0.0159	- 6.482
516_(C-STRM)	STORAGE	0.000	0.395	0	01:43	0	1.53	- 0.875
517_(C-STRM)	STORAGE	0.000	0.417	0	01:42	0	1.53	- 0.111
518_(C-STRM)	STORAGE	0.000	0.438	0	01:42	0	1.54	0.413
519_(C-STRM)	STORAGE	0.000	0.114	0	01:41	0	0.397	- 0.796
520_(C-STRM)	STORAGE	0.000	0.123	0	01:20	0	0.399	0.599
522_(C-STRM)	STORAGE	0.000	0.088	0	01:20	0	0.283	0.013
525_(C-STRM)	STORAGE	0.000	1.275	0	02:06	0	5.91	0.031
528_(C-STRM)	STORAGE	0.000	1.069	0	02:06	0	4.98	- 0.001
532_(C-STRM)	STORAGE	0.000	0.846	0	02:06	0	4	- 0.049
536_(C-STRM)	STORAGE	0.000	0.728	0	02:06	0	3.51	0.071
540_(C-STRM)	STORAGE	0.000	0.495	0	02:06	0	2.44	- 0.008
541_(C-STRM)	STORAGE	0.000	0.378	0	01:12	0	1.93	0.021
551_(C-STRM)	STORAGE	0.000	0.251	0	01:50	0	0.905	0.060
552_(C-STRM)	STORAGE	0.000	0.249	0	01:50	0	0.904	- 0.094
553_(C-STRM)	STORAGE	0.000	0.200	0	01:50	0	0.77	0.334
554_(C-STRM)	STORAGE	0.000	0.103	0	01:20	0	0.105	1.848
555_(C-STRM)	STORAGE	0.000	0.081	0	01:21	0	0.0488	1.176
556_(C-STRM)	STORAGE	0.000	0.042	0	01:20	0	0.0114	- 5.892
601_(C-STRM)	STORAGE	0.000	5.515	0	01:53	0	24.4	0.054
602_(C-STRM)	STORAGE	0.000	5.515	0	01:53	0	24.4	0.001
603_(C-STRM)	STORAGE	0.000	5.361	0	01:53	0	23.7	- 0.000
604_(C-STRM)	STORAGE	0.000	5.361	0	01:53	0	23.7	- 0.011
605_(C-STRM)	STORAGE	0.000	0.664	0	01:11	0	3.36	- 0.144
619_(C-STRM)	STORAGE	0.000	4.439	0	01:50	0	19.1	- 0.002
622_(C-STRM)	STORAGE	0.000	4.210	0	01:49	0	18.1	- 0.030
626_(C-STRM)	STORAGE	0.000	0.141	0	01:25	0	0.947	- 0.283
627_(C-STRM)	STORAGE	0.000	0.261	0	01:54	0	1.34	0.052
629_(C-STRM)	STORAGE	0.000	3.224	0	01:49	0	13.9	0.063
630_(C-STRM)	STORAGE	0.000	3.228	0	01:49	0	13.9	0.018
630A_(C-STRM)	STORAGE	0.000	2.993	0	01:48	0	12.6	0.017
633_(C-STRM)	STORAGE	0.280	0.280	0	01:30	0.663	0.663	0.000
634_(C-STRM)	STORAGE	0.000	0.593	0	01:54	0	2.34	- 0.025
637_(C-STRM)	STORAGE	0.868	0.868	0	01:30	2.05	2.05	- 0.000
643_(C-STRM)	STORAGE	0.000	0.445	0	01:53	0	1.86	0.316
644_(C-STRM)	STORAGE	0.000	0.072	0	01:48	0	0.165	- 2.668
645_(C-STRM)	STORAGE	0.000	0.758	0	01:54	0	2.81	0.246
646_(C-STRM)	STORAGE	0.000	0.644	0	01:54	0	2.71	- 0.010
647_(C-STRM)	STORAGE	0.000	0.543	0	01:19	0	2.48	0.028
650_(C-STRM)	STORAGE	0.000	4.436	0	01:50	0	19.1	0.004
651_(C-STRM)	STORAGE	0.000	4.434	0	01:50	0	19.1	0.001
652_(C-STRM)	STORAGE	0.000	4.697	0	01:51	0	20.3	0.013
Filter_Bed	STORAGE	0.000	4.158	0	01:43	0	12.4	0.064
Industrial_NORTH	STORAGE	3.232	3.232	0	01:30	9.93	9.93	- 0.057
Industrial_South	STORAGE	0.874	0.874	0	01:30	2.42	2.42	- 0.034
MTD_(C-STRM)	STORAGE	0.000	2.576	0	01:48	0	11.5	- 0.025
OVERFLOW_(C-STRM)	STORAGE	0.000	2.578	0	01:48	0	11.5	0.021
PARK	STORAGE	0.274	0.274	0	01:40	0.748	0.748	- 0.000
POND_(C-STRM)	STORAGE	1.099	10.360	0	01:43	3.02	40.7	0.039
S_504-503	STORAGE	0.043	0.043	0	01:30	0.102	0.102	- 0.007
S_525-MTD	STORAGE	0.447	0.447	0	01:30	1.05	1.05	- 0.006
S_528-525	STORAGE	0.458	0.458	0	01:30	1.08	1.08	- 0.007
S_532-528	STORAGE	0.232	0.232	0	01:30	0.549	0.549	- 0.007
S_536-532	STORAGE	0.506	0.506	0	01:30	1.2	1.2	- 0.006
S_540-536	STORAGE	0.242	0.242	0	01:30	0.573	0.573	- 0.007
S_545-541	STORAGE	0.926	0.926	0	01:30	2.19	2.19	- 0.006
S_607-605	STORAGE	1.781	1.781	0	01:30	4.17	4.17	- 0.000
S_620-619	STORAGE	0.504	0.504	0	01:30	1.18	1.18	- 0.000
S_622-619	STORAGE	0.345	0.345	0	01:30	0.809	0.809	- 0.000
S_623-622	STORAGE	0.582	0.582	0	01:30	1.36	1.36	- 0.000
S_627-630	STORAGE	0.201	0.201	0	01:30	0.472	0.472	- 0.000
S_652-604	STORAGE	0.579	0.579	0	01:30	1.36	1.36	- 0.006
Woodlot_North	STORAGE	0.355	0.355	0	01:40	0.947	0.947	0.000

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	12.2	0.0	0.0	0.001	22.4	0 01:45	0.248
502_(C-STRM)	0.000	4.0	0.0	0.0	0.002	47.4	0 01:45	1.364
503_(C-STRM)	0.000	3.5	0.0	0.0	0.002	48.0	0 01:45	1.044
504_(C-STRM)	0.000	12.5	0.0	0.0	0.001	47.2	0 01:44	0.957
505_(C-STRM)	0.000	10.9	0.0	0.0	0.002	49.8	0 01:44	0.878
506_(C-STRM)	0.000	11.3	0.0	0.0	0.002	57.1	0 01:43	0.797
507_(C-STRM)	0.000	11.1	0.0	0.0	0.002	57.5	0 01:44	0.612
508_(C-STRM)	0.000	11.1	0.0	0.0	0.002	61.2	0 01:44	0.605
509_(C-STRM)	0.000	11.5	0.0	0.0	0.002	66.8	0 01:45	0.601
510_(C-STRM)	0.000	11.6	0.0	0.0	0.002	69.2	0 01:45	0.599
511_(C-STRM)	0.000	11.7	0.0	0.0	0.002	70.1	0 01:45	0.599
512_(C-STRM)	0.000	11.6	0.0	0.0	0.003	72.6	0 01:45	0.544
513_(C-STRM)	0.000	11.4	0.0	0.0	0.003	71.9	0 01:45	0.568
514_(C-STRM)	0.000	10.2	0.0	0.0	0.002	60.9	0 01:45	0.072
515_(C-STRM)	0.000	9.5	0.0	0.0	0.002	51.5	0 01:45	0.025
516_(C-STRM)	0.000	11.8	0.0	0.0	0.003	75.5	0 01:45	0.392
517_(C-STRM)	0.000	12.0	0.0	0.0	0.003	79.8	0 01:44	0.395
518_(C-STRM)	0.000	12.8	0.0	0.0	0.003	93.6	0 01:43	0.417
519_(C-STRM)	0.000	12.6	0.0	0.0	0.003	89.8	0 01:42	0.147
520_(C-STRM)	0.000	13.1	0.0	0.0	0.003	90.3	0 01:41	0.114
522_(C-STRM)	0.000	10.5	0.0	0.0	0.001	21.7	0 01:38	0.088
525_(C-STRM)	0.000	5.4	0.0	0.0	0.002	64.8	0 01:47	1.290
528_(C-STRM)	0.000	4.4	0.0	0.0	0.002	70.3	0 01:48	1.083
532_(C-STRM)	0.000	3.8	0.0	0.0	0.002	72.4	0 01:48	0.858
536_(C-STRM)	0.000	3.7	0.0	0.0	0.002	73.3	0 01:49	0.739
540_(C-STRM)	0.000	13.5	0.0	0.0	0.002	76.2	0 01:49	0.515
541_(C-STRM)	0.000	13.2	0.0	0.0	0.002	74.4	0 01:49	0.416
551_(C-STRM)	0.000	9.5	0.0	0.0	0.002	45.5	0 01:46	0.254
552_(C-STRM)	0.000	9.2	0.0	0.0	0.002	44.1	0 01:48	0.251
553_(C-STRM)	0.000	9.2	0.0	0.0	0.002	42.2	0 01:48	0.201
554_(C-STRM)	0.000	8.5	0.0	0.0	0.002	37.9	0 01:48	0.081
555_(C-STRM)	0.000	7.7	0.0	0.0	0.001	31.4	0 01:47	0.052
556_(C-STRM)	0.000	7.2	0.0	0.0	0.001	27.5	0 01:47	0.027
601_(C-STRM)	0.000	4.2	0.0	0.0	0.001	28.3	0 01:54	5.515
602_(C-STRM)	0.000	4.7	0.0	0.0	0.002	43.5	0 01:53	5.515
603_(C-STRM)	0.000	4.3	0.0	0.0	0.002	47.8	0 01:53	5.361

604_(C-STRM)	0.000	3.3	0.0	0.0	0.003	43.2	0	01:53
5.361								
605_(C-STRM)	0.000	6.6	0.0	0.0	0.002	29.8	0	01:53
0.689								
619_(C-STRM)	0.000	3.0	0.0	0.0	0.003	53.9	0	01:52
4.436								
622_(C-STRM)	0.000	3.6	0.0	0.0	0.004	66.1	0	01:52
4.206								
626_(C-STRM)	0.000	9.8	0.0	0.0	0.001	38.3	0	01:53
0.162								
627_(C-STRM)	0.000	9.9	0.0	0.0	0.002	52.7	0	01:52
0.297								
629_(C-STRM)	0.000	3.5	0.0	0.0	0.003	65.0	0	01:52
3.220								
630_(C-STRM)	0.000	3.3	0.0	0.0	0.003	66.7	0	01:52
3.224								
630A_(C-STRM)	0.000	3.5	0.0	0.0	0.003	71.0	0	01:52
2.991								
633_(C-STRM)	0.004	1.0	0.0	9.0	0.102	28.7	0	01:31
0.261								
634_(C-STRM)	0.000	9.9	0.0	0.0	0.003	70.2	0	01:50
0.660								
637_(C-STRM)	0.008	0.7	0.0	8.6	0.347	31.6	0	01:40
0.593								
643_(C-STRM)	0.000	10.8	0.0	0.0	0.003	77.3	0	01:50
0.487								
644_(C-STRM)	0.000	10.6	0.0	0.0	0.003	70.8	0	01:50
0.071								
645_(C-STRM)	0.000	2.9	0.0	0.0	0.003	72.1	0	01:52
0.829								
646_(C-STRM)	0.000	3.0	0.0	0.0	0.003	77.3	0	01:48
0.737								
647_(C-STRM)	0.000	3.1	0.0	0.0	0.003	83.6	0	01:48
0.613								
650_(C-STRM)	0.000	3.0	0.0	0.0	0.003	50.5	0	01:53
4.434								
651_(C-STRM)	0.000	3.2	0.0	0.0	0.003	49.6	0	01:53
4.433								
652_(C-STRM)	0.000	3.2	0.0	0.0	0.003	48.1	0	01:53
4.697								
Filter_Bed	0.756	22.6	0.0	0.0	1.914	57.3	0	01:44
4.131								
Industrial_NORTH	0.008	0.3	0.0	0.0	0.498	19.9	0	01:41
2.455								
Industrial_South	0.005	0.7	0.0	0.0	0.267	35.6	0	01:41
0.529								
MTD_(C-STRM)	0.000	8.1	0.0	0.0	0.002	54.0	0	01:45
2.578								
OVERFLOW_(C-STRM)	0.000	12.1	0.0	0.0	0.001	36.4	0	01:45
2.579								
PARK	0.005	1.0	0.0	0.0	0.160	32.1	0	01:58
0.154								
POND_(C-STRM)	19.077	52.7	0.0	0.0	33.395	92.2	0	02:21
1.841								
S_504-503	0.000	0.5	0.0	0.0	0.012	22.1	0	01:32
0.037								
S_525-MTD	0.004	0.7	0.0	0.0	0.168	29.3	0	01:36
0.334								
S_528-525	0.004	0.7	0.0	0.0	0.165	28.4	0	01:36
0.334								
S_532-528	0.002	0.6	0.0	0.0	0.077	26.1	0	01:34
0.183								
S_536-532	0.004	1.0	0.0	0.0	0.174	40.6	0	01:34
0.396								
S_540-536	0.002	0.8	0.0	0.0	0.075	36.7	0	01:33
0.199								
S_545-541	0.010	0.9	0.0	0.0	0.399	34.0	0	01:40
0.641								
S_607-605	0.023	1.0	0.0	8.3	0.886	38.9	0	01:40
1.118								
S_620-619	0.004	0.9	0.0	7.4	0.167	38.9	0	01:36
0.377								
S_622-619	0.002	0.5	0.0	8.7	0.116	26.3	0	01:40
0.235								
S_623-622	0.005	1.0	0.0	7.4	0.204	41.0	0	01:35
0.413								
S_627-630	0.001	0.5	0.0	10.3	0.063	24.3	0	01:36
0.150								
S_652-604	0.005	0.7	0.0	0.0	0.220	29.6	0	01:38
0.413								
Woodlot_North	0.016	3.2	0.0	0.0	0.354	70.8	0	02:11
0.141								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	11.75	0.483	1.338	4.894
OF2	12.74	0.020	0.095	0.215
OF3	98.58	0.081	1.284	6.797
ST4_108A_(P-Stm)	98.66	0.313	0.503	26.681
System	55.43	0.897	2.578	38.588

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.116	0 01:40	1.17	1.73	0.74
BDR-C2	CONDUIT	0.258	0 01:40	2.18	4.92	0.89
BDR-C3	CONDUIT	0.399	0 01:41	3.01	2.04	0.64
BDR-C4	CONDUIT	0.877	0 01:40	2.60	0.29	0.34
C1	CHANNEL	0.038	0 01:30	0.20	0.02	0.27
C1_1	CHANNEL	0.062	0 01:32	0.31	0.02	0.26
C1_11	CHANNEL	0.563	0 01:40	1.28	0.06	0.35
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.11
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.10
C1_4	CHANNEL	0.082	0 01:32	0.49	0.02	0.22
C1_5	CHANNEL	0.076	0 01:32	0.49	0.02	0.21
C1_6	CHANNEL	0.078	0 01:34	0.56	0.02	0.20
C1_7	CHANNEL	0.074	0 01:37	1.11	0.01	0.17
C1_8	CHANNEL	0.045	0 01:30	0.39	0.01	0.23
C1_9	CHANNEL	0.418	0 01:40	1.09	0.06	0.33
C2	CHANNEL	0.033	0 01:30	0.74	0.00	0.12
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.057	0 01:35	0.56	0.01	0.22
C2_11	CHANNEL	0.054	0 01:37	0.60	0.02	0.37
C2_12	CHANNEL	0.231	0 01:40	0.44	0.15	0.48
C2_13	CHANNEL	0.228	0 01:40	0.39	0.11	0.51
C2_14	CHANNEL	0.644	0 01:41	0.86	0.23	0.57
C2_15	CHANNEL	0.641	0 01:42	0.95	0.23	0.54
C2_16	CHANNEL	0.535	0 01:40	1.11	0.11	0.48
C2_18	CHANNEL	0.008	0 01:38	0.09	0.00	0.22
C2_2	CHANNEL	0.059	0 01:30	0.58	0.02	0.26
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.11
C2_4	CHANNEL	0.167	0 01:37	0.68	0.05	0.41
C2_5	CHANNEL	0.012	0 01:40	0.05	0.01	0.33
C2_7	CHANNEL	0.028	0 01:40	0.60	0.01	0.20
C2_8	CHANNEL	0.059	0 01:33	0.50	0.02	0.23
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.03
C3	CONDUIT	0.327	0 01:38	0.54	0.06	0.20
C3_2	CHANNEL	0.022	0 01:43	0.26	0.01	0.21
C3_6	CHANNEL	0.017	0 01:30	0.21	0.01	0.25
C3_7	CHANNEL	0.060	0 01:30	0.36	0.03	0.28
C4	CONDUIT	0.487	0 01:37	0.70	0.08	0.23
C4_5	CHANNEL	0.039	0 01:39	0.11	0.03	0.45
C4_6	CHANNEL	1.114	0 01:41	1.68	0.18	0.68
C4_7	CHANNEL	0.754	0 01:41	0.70	0.47	0.78
C5	CONDUIT	0.556	0 01:37	0.72	0.11	0.27
C5_1	CHANNEL	0.121	0 01:30	0.32	0.03	0.14
C5_10	CHANNEL	0.116	0 01:42	0.53	0.03	0.23
C5_11	CHANNEL	0.128	0 02:03	0.22	0.05	0.39
C5_12	CHANNEL	1.284	0 01:40	1.32	0.11	0.33
C5_13	CHANNEL	0.115	0 01:43	0.65	0.03	0.26
C5_14	CHANNEL	0.151	0 02:02	0.23	0.10	0.49
C5_15	CHANNEL	0.256	0 01:44	0.45	0.07	0.33
C5_16	CHANNEL	0.254	0 01:48	0.43	0.06	0.27
C5_17	CHANNEL	0.263	0 01:43	0.24	0.03	0.32
C5_18	CHANNEL	0.390	0 01:40	0.81	0.15	0.50
C5_19	CHANNEL	0.257	0 01:41	0.50	0.17	0.29
C5_2	CHANNEL	0.112	0 01:34	0.59	0.02	0.18
C5_20	CHANNEL	0.325	0 01:44	0.37	0.03	0.26
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.27
C5_23	CHANNEL	0.119	0 01:30	0.30	0.02	0.15
C5_24	CHANNEL	0.385	0 01:41	0.83	0.14	0.48
C5_25	CHANNEL	0.440	0 01:41	0.92	0.11	0.53
C5_3	CHANNEL	0.117	0 01:31	0.59	0.01	0.19
C5_4	CHANNEL	0.112	0 01:36	0.51	0.01	0.14
C5_5	CHANNEL	0.111	0 01:37	0.67	0.01	0.15
C5_6	CHANNEL	0.112	0 01:35	0.73	0.01	0.11
C5_7	CHANNEL	0.411	0 02:02	0.58	0.03	0.30
C5_8	CHANNEL	0.312	0 01:44	0.24	0.03	0.51
C5_9	CHANNEL	0.792	0 01:41	0.75	0.07	0.35
C6	CONDUIT	0.673	0 01:38	0.70	0.13	0.33
C7	CONDUIT	1.847	0 01:42	1.44	0.24	0.41
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT		0.392	0 01:45	1.09	1.04	1.00
C-STRM-1_(1)_(C-STRM) CONDUIT		0.395	0 01:43	1.10	1.21	1.00
C-STRM-1_(C-STRM)	CONDUIT	0.417	0 01:42	1.48	1.75	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.288	0 01:45	1.39	0.57	0.60
C-STRM-101_(C-STRM)	CONDUIT	0.248	0 01:45	1.60	0.57	0.58
C-STRM-102_(C-STRM)	CONDUIT	2.342	0 01:51	4.40	1.21	0.93
C-STRM-105_(C-STRM)	CONDUIT	0.788	0 01:54	1.24	1.12	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.487	0 01:54	1.10	1.13	1.00
C-STRM-107_(1)_(C-STRM) CONDUIT		4.697	0 01:53	2.20	1.33	1.00
C-STRM-107_(C-STRM)	CONDUIT	4.433	0 01:51	2.07	1.26	1.00
C-STRM-2_(1)_(C-STRM) CONDUIT		0.144	0 01:46	1.52	0.96	1.00
C-STRM-2_(C-STRM)	CONDUIT	0.548	0 01:45	1.53	0.97	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.162	0 01:54	1.80	0.57	1.00
C-STRM-21_(C-STRM)	CONDUIT	0.297	0 01:53	1.50	0.98	1.00
C-STRM-22_(1)_(C-STRM) CONDUIT		3.220	0 01:49	1.82	1.18	1.00
C-STRM-22_(C-STRM)	CONDUIT	3.224	0 01:49	1.82	1.18	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.660	0 01:54	1.23	1.19	1.00
C-STRM-26_(1)_(C-STRM) CONDUIT		0.254	0 01:50	0.76	0.75	1.00
C-STRM-26_(C-STRM)	CONDUIT	0.251	0 01:50	0.75	0.75	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.797	0 01:43	1.80	1.01	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.612	0 01:46	1.71	1.03	1.00
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT		0.605	0 01:46	1.69	1.02	1.00
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT		0.601	0 01:45	1.68	1.01	1.00
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT		0.599	0 01:45	1.67	1.06	1.00
C-STRM-3_(1)_(C-STRM) CONDUIT		0.599	0 01:45	1.68	1.07	1.00
C-STRM-33_(1)_(C-STRM) CONDUIT		0.737	0 01:54	1.16	1.05	1.00
C-STRM-33_(C-STRM)	CONDUIT	0.613	0 01:54	0.96	0.88	1.00
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT		0.081	0 01:21	0.52	0.47	1.00
C-STRM-34_(1)_(C-STRM) CONDUIT		0.042	0 01:20	0.37	0.24	1.00
C-STRM-35_(1)_(C-STRM) CONDUIT		0.201	0 01:50	0.86	0.82	1.00
C-STRM-35_(C-STRM)	CONDUIT	0.103	0 01:20	0.39	0.42	1.00
C-STRM-4_(1)_(C-STRM) CONDUIT		0.957	0 01:44	2.28	1.11	0.90
C-STRM-4_(C-STRM)	CONDUIT	0.878	0 01:44	1.99	1.11	1.00
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT		4.434	0 01:50	2.07	1.26	1.00
C-STRM-46_(1)_(C-STRM) CONDUIT		4.436	0 01:50	2.07	1.25	1.00
C-STRM-49_(C-STRM)	CONDUIT	0.416	0 02:09	0.82	0.75	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.515	0 02:09	0.96	0.93	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.739	0 02:06	1.16	1.05	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.858	0 02:06	1.15	0.99	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.083	0 02:06	1.45	1.25	1.00
C-STRM-57_(C-STRM)	CONDUIT	1.044	0 01:44	1.40	1.21	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.071	0 01:53	0.63	0.50	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.114	0 01:41	0.85	0.89	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.147	0 01:45	0.68	0.88	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0 01:38	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.290	0 02:06	1.73	1.29	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.578	0 01:48	2.93	1.34	0.99
C-STRM-78_(C-STRM)	CONDUIT	1.364	0 01:45	1.83	1.11	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT		5.361	0 01:53	2.11	1.48	1.00
C-STRM-79_(C-STRM)	CONDUIT	0.689	0 02:05	1.66	0.98	1.00
C-STRM-8_(1)_(C-STRM) CONDUIT		0.074	0 01:23	0.45	0.39	1.00
C-STRM-8_(C-STRM)	CONDUIT	0.036	0 01:25	0.32	0.28	1.00
C-STRM-80_(C-STRM)	CONDUIT	5.361	0 01:53	2.11	1.48	1.00
C-STRM-81_(C-STRM)	CONDUIT	5.515	0 01:53	2.39	1.51	0.85
C-STRM-82_(C-STRM)	CONDUIT	5.515	0 01:54	3.02	1.52	0.67
C-STRM-83_(1)_(C-STRM) CONDUIT		2.991	0 01:49	1.69	1.09	1.00
C-STRM-84_(C-STRM)	CONDUIT	4.206	0 01:50	1.97	1.19	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.072	0 01:48	0.69	0.82	1.00
CVR-C2	CONDUIT	0.112	0 01:36	2.09	0.42	0.37
CVR-C3	CONDUIT	0.411	0 02:00	3.91	2.53	0.78
CVR-C4	CONDUIT	0.792	0 01:41	2.77	0.26	0.30
ST4-Pipe_-_(99)_(P-Stm) CONDUIT		0.503	0 02:22	1.42	0.52	0.55
W1	CHANNEL	4.105	0 01:44	1.10	0.02	0.05
OR1	ORIFICE	0.356	0 02:18			1.00
OR2	ORIFICE	0.147	0 02:21			0.74
W10	WEIR	0.197	0 01:40			0.14
W11	WEIR	0.128	0 01:31			0.11
W12	WEIR	0.149	0 01:38			0.12
W13	WEIR	0.263	0 01:40			0.18
W14	WEIR	0.086	0 01:33			0.10
W15	WEIR	0.174	0 01:34			0.15
W16	WEIR	0.076	0 01:34			0.08
W17	WEIR	0.123	0 01:36			0.11
W2	WEIR	1.338	0 02:21			0.62
W3	WEIR	0.015	0 01:32			0.03
W4	WEIR	0.045	0 01:36			0.05
W5	WEIR	0.142	0 01:36			0.12
W6	WEIR	0.183	0 01:35			0.16
W7	WEIR	0.133	0 01:36			0.13
W8	WEIR	0.411	0 01:40			0.24
W9	WEIR	0.051	0 01:40			0.08
C-STRM-108_(1)_(C-STRM) DUMMY		0.126	0 01:21			
C-STRM-14_(1)_(C-STRM) DUMMY		0.664	0 01:11			
C-STRM-27_(C-STRM)	DUMMY	0.248	0 01:15			
C-STRM-42_(C-STRM)	DUMMY	0.378	0 01:12			
C-STRM-44_(1)_(C-STRM) DUMMY		0.192	0 01:15			
C-STRM-45_(1)_(C-STRM) DUMMY		0.233	0 01:16			
C-STRM-61_(C-STRM)	DUMMY	0.374	0 01:16			
C-STRM-71_(C-STRM)	DUMMY	0.529	0 01:19			
C-STRM-83_(C-STRM)	DUMMY	2.455	0 01:23			
C-STRM-93_(C-STRM)	DUMMY	0.113	0 01:16			
C-STRM-96_(1)_(C-STRM) DUMMY		0.222	0 01:15			
C-STRM-97_(1)_(C-STRM) DUMMY		0.107	0 01:16			
C-STRM-98_(1)_(C-STRM) DUMMY		0.211	0 01:16			
OL1	DUMMY	0.175	0 01:18			
OL10	DUMMY	0.026	0 00:26			
OL11	DUMMY	0.086	0 01:20			
OL12	DUMMY	0.242	0 01:20			
OL13	DUMMY	0.056	0 01:20			
OL14	DUMMY	0.215	0 01:20			
OL15	DUMMY	0.342	0 01:20			
OL16	DUMMY	0.088	0 01:20			
OL17	DUMMY	0.123	0 01:20			
OL18	DUMMY	0.014	0 01:16			
OL19	DUMMY	0.056	0 01:16			
OL2	DUMMY	0.197	0 01:20			
OL20	DUMMY	0.022	0 01:17			
OL21	DUMMY	0.154	0 01:23			
OL22	DUMMY	0.021	0 01:15			
OL3	DUMMY	0.048	0 01:20			
OL4	DUMMY	0.092	0 01:20			
OL5	DUMMY	0.087	0 01:20			
OL6	DUMMY	0.141	0 01:25			
OL7	DUMMY	0.099	0 01:17			
OL8	DUMMY	0.264	0 01:16			
OL9	DUMMY	0.062	0 01:20			

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Flow Classification Summary

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Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.77	0.00
BDR-C2	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.56	0.00
BDR-C3	1.00	0.01	0.00	0.00	0.68	0.31	0.00	0.00	0.01	0.00
BDR-C4	1.00	0.01	0.00	0.00	0.71	0.28	0.00	0.00	0.91	0.00
C1	1.00	0.83	0.03	0.00	0.14	0.00	0.00	0.00	0.95	0.00
C1_1	1.00	0.81	0.03	0.00	0.16	0.00	0.00	0.00	0.93	0.00
C1_11	1.00	0.83	0.03	0.00	0.07	0.07	0.00	0.00	0.97	0.00
C1_2	1.00	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.01	0.85	0.00	0.10	0.04	0.00	0.00	0.94	0.00
C1_5	1.00	0.83	0.01	0.00	0.15	0.01	0.00	0.00	0.06	0.00
C1_6	1.00	0.02	0.00	0.00	0.96	0.02	0.00	0.00	0.93	0.00
C1_7	1.00	0.01	0.04	0.00	0.48	0.47	0.00	0.00	0.01	0.00
C1_8	1.00	0.85	0.02	0.00	0.13	0.01	0.00	0.00	0.06	0.00
C1_9	1.00	0.85	0.01	0.00	0.07	0.07	0.00	0.00	0.01	0.00
C2	1.00	0.86	0.00	0.00	0.00	0.00	0.00	0.14	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.02	0.00	0.00	0.95	0.03	0.00	0.00	0.94	0.00
C2_11	1.00	0.01	0.03	0.00	0.50	0.46	0.00	0.00	0.04	0.00
C2_12	1.00	0.01	0.85	0.00	0.12	0.01	0.00	0.00	0.93	0.00
C2_13	1.00	0.01	0.01	0.00	0.77	0.21	0.00	0.00	0.05	0.00
C2_14	1.00	0.01	0.79	0.00	0.16	0.03	0.00	0.00	0.93	0.00
C2_15	1.00	0.01	0.01	0.00	0.69	0.29	0.00	0.00	0.04	0.00
C2_16	1.00	0.83	0.01	0.00	0.12	0.03	0.00	0.00	0.94	0.00
C2_18	1.00	0.01	0.85	0.00	0.28	0.65	0.00	0.00	0.01	0.00
C2_2	1.00	0.01	0.85	0.00	0.10	0.04	0.00	0.00	0.94	0.00
C2_3	1.00	0.86	0.14	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.02	0.00	0.00	0.95	0.02	0.00	0.00	0.94	0.00
C2_5	1.00	0.04	0.02	0.00	0.94	0.00	0.00	0.00	0.94	0.00
C2_7	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.93	0.00
C2_8	1.00	0.01	0.86	0.00	0.10	0.03	0.00	0.00	0.93	0.00
C2_9	1.00	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	0.62	0.14	0.00	0.24	0.00	0.00	0.00	0.94	0.00
C3_2	1.00	0.01	0.05	0.00	0.63	0.31	0.00	0.00	0.01	0.00
C3_6	1.00	0.80	0.01	0.00	0.20	0.00	0.00	0.00	0.03	0.00
C3_7	1.00	0.85	0.00	0.00	0.14	0.00	0.00	0.00	0.05	0.00
C4	1.00	0.48	0.14	0.00	0.38	0.00	0.00	0.00	0.93	0.00
C4_5	1.00	0.06	0.01	0.00	0.93	0.00	0.00	0.00	0.93	0.00
C4_6	1.00	0.01	0.85	0.00	0.07	0.06	0.00	0.00	0.93	0.00
C4_7	1.00	0.02	0.04	0.00	0.88	0.06	0.00	0.00	0.01	0.00
C5	1.00	0.33	0.16	0.00	0.52	0.00	0.00	0.00	0.93	0.00
C5_1	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.88	0.00
C5_10	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.90	0.00
C5_11	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.95	0.00
C5_12	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.02	0.00	0.00	0.33	0.65	0.00	0.00	0.03	0.00
C5_14	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.64	0.00
C5_15	1.00	0.02	0.00	0.00	0.98	0.01	0.00	0.00	0.96	0.00
C5_16	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00	0.92	0.00
C5_18	1.00	0.04	0.00	0.00	0.94	0.01	0.00	0.00	0.93	0.00
C5_19	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.63	0.00
C5_2	1.00	0.02	0.00	0.00	0.62	0.36	0.00	0.00	0.00	0.00
C5_20	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_21	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.02	0.00	0.00	0.78	0.20	0.00	0.00	0.57	0.00
C5_24	1.00	0.06	0.00	0.00	0.93	0.01	0.00	0.00	0.93	0.00
C5_25	1.00	0.01	0.04	0.00	0.12	0.82	0.00	0.00	0.03	0.00
C5_3	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.97	0.00
C5_4	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_5	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.14	0.00
C5_6	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.87	0.00
C5_7	1.00	0.01	0.01	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_8	1.00	0.01	0.02	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_9	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C6	1.00	0.06	0.27	0.00	0.67	0.00	0.00	0.00	0.94	0.00
C7	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.13	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.42	0.00
C-STRM-1_(C-STRM)	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.92	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.68	0.15	0.00	0.13	0.00	0.00	0.04	0.83	0.00
C-STRM-101_(C-STRM)	1.00	0.64	0.04	0.00	0.25	0.00	0.00	0.06	0.68	0.00
C-STRM-102_(C-STRM)	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.07	0.00
C-STRM-105_(C-STRM)	1.00	0.01	0.00	0.00	0.07	0.00	0.00	0.92	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.02	0.00	0.00	0.07	0.00	0.00	0.90	0.01	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.09	0.00	0.00	0.89	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.49	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.67	0.00
C-STRM-2_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.65	0.00
C-STRM-20_(C-STRM)	1.00	0.03	0.02	0.00	0.04	0.00	0.00	0.91	0.02	0.00
C-STRM-21_(C-STRM)	1.00	0.02	0.00	0.00	0.03	0.00	0.00	0.95	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.92	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.87	0.00
C-STRM-23_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.92	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.10	0.00	0.00	0.88	0.01	0.00
C-STRM-26_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.89	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.73	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.93	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.86	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.71	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.01	0.10	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.77	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.90	0.00
C-STRM-33_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.70	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.03	0.02	0.00	0.04	0.00	0.00	0.91	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.05	0.83	0.00	0.12	0.00	0.00	0.00	0.91	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.07	0.00	0.00	0.92	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.01	0.73	0.00	0.25	0.00	0.00	0.00	0.91	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.01	0.00	0.00	0.96	0.02	0.00	0.01	0.86	0.00
C-STRM-46_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.86	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.74	0.00
C-STRM-49_(C-STRM)	1.00	0.02	0.37	0.00	0.61	0.00	0.00	0.00	0.86	0.00
C-STRM-50_(C-STRM)	1.00	0.02	0.00	0.00	0.08	0.00	0.00	0.91	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.01	0.00	0.00	0.09	0.00	0.00	0.89	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.63	0.00
C-STRM-53_(C-STRM)	1.00	0.01	0.17	0.00	0.81	0.00	0.00	0.00	0.59	0.00
C-STRM-57_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.49	0.00
C-STRM-60_(C-STRM)	1.00	0.03	0.01	0.00	0.04	0.00	0.00	0.91	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.01	0.00
C-STRM-63_(C-STRM)	1.00	0.02	0.00	0.00	0.09	0.00	0.00	0.90	0.01	0.00
C-STRM-64_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.01	0.00	0.00	0.55	0.00	0.00	0.44	0.15	0.00
C-STRM-77_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.34	0.00
C-STRM-78_(C-STRM)	1.00	0.01	0.00	0.00	0.55	0.00	0.00	0.44	0.13	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.66	0.00
C-STRM-79_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.93	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.02	0.00	0.04	0.00	0.00	0.00	0.91	0.00	0.00
C-STRM-8_(C-STRM)	1.00	0.05	0.01	0.00	0.03	0.00	0.00	0.91	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.59	0.00
C-STRM-81_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.51	0.00
C-STRM-82_(C-STRM)	1.00	0.01	0.00	0.00	0.48	0.00	0.00	0.51	0.03	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.40	0.00
C-STRM-84_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.71	0.00
C-STRM-87_(C-STRM)	1.00	0.96	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.03	0.00	0.00	0.80	0.18	0.00	0.00	0.81	0.00
CVR-C3	1.00	0.01	0.00	0.00	0.23	0.76	0.00	0.00	0.07	0.00
CVR-C4	1.00	0.01	0.00	0.00	0.54	0.45	0.00	0.00	0.13	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
W1	1.00	0.84	0.00	0.00	0.11	0.00	0.00	0.05	0.00	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Upstream	Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.26	0.01	1.19	0.01
BDR-C2	0.01	0.39	0.01	2.27	0.01
BDR-C3	0.01	0.01	0.01	0.79	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.67	0.67	0.69	0.02	0.50
C-STRM-1_(1)_(C-STRM)	0.67	0.69	0.67	0.50	0.54
C-STRM-1_(C-STRM)	0.69	0.78	0.69	0.86	0.69
C-STRM-100_(C-STRM)	0.01	0.01	0.01	0.80	0.01
C-STRM-105_(C-STRM)	0.78	0.78	0.81	0.09	0.17
C-STRM-106_(C-STRM)	0.82	0.83	0.83	0.46	0.79
C-STRM-107_(1)_(C-STRM)	0.69	0.77	0.69	0.72	0.69
C-STRM-107_(C-STRM)	0.77	0.79	0.77	0.66	0.77
C-STRM-2_(1)_(C-STRM)	0.70	0.71	0.70	0.01	0.70
C-STRM-2_(C-STRM)	0.69	0.69	0.71	0.01	0.01
C-STRM-20_(C-STRM)	0.43	0.43	0.62	0.01	0.01
C-STRM-21_(C-STRM)	0.62	0.62	0.66	0.01	0.15
C-STRM-22_(1)_(C-STRM)	0.74	0.74	0.76	0.50	0.52
C-STRM-22_(C-STRM)	0.73	0.73	0.74	0.51	0.52
C-STRM-23_(C-STRM)	0.82	0.83	0.83	0.34	0.76
C-STRM-26_(1)_(C-STRM)	0.92	0.92	0.98	0.01	0.01
C-STRM-26_(C-STRM)	0.86	0.86	0.92	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.70	0.70	0.70	0.04	0.64
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.69	0.70	0.70	0.11	0.57
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.70	0.72	0.70	0.07	0.63
C-STRM-3_(1)_(1)_(C-STRM)	0.72	0.74	0.72	0.02	0.72
C-STRM-3_(1)_(2)_(C-STRM)	0.70	0.70	0.74	0.18	0.22
C-STRM-3_(1)_(C-STRM)	0.70	0.70	0.70	0.20	0.46
C-STRM-33_(1)_(C-STRM)	0.76	0.76	0.78	0.02	0.16
C-STRM-33_(C-STRM)	0.73	0.73	0.76	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.65	0.65	0.72	0.01	0.01
C-STRM-34_(1)_(C-STRM)	0.55	0.55	0.65	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.79	0.79	0.86	0.01	0.01
C-STRM-35_(C-STRM)	0.72	0.72	0.79	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.66	0.01	0.46	0.01
C-STRM-4_(C-STRM)	0.66	0.70	0.66	0.43	0.66
C-STRM-46_(1)_(1)_(C-STRM)	0.79	0.80	0.79	0.66	0.78
C-STRM-46_(1)_(C-STRM)	0.80	0.82	0.80	0.65	0.80
C-STRM-49_(C-STRM)	1.03	1.03	1.04	0.01	0.01
C-STRM-50_(C-STRM)	1.04	1.04	1.04	0.01	0.97
C-STRM-51_(C-STRM)	1.04	1.04	1.04	0.64	1.04
C-STRM-52_(C-STRM)	1.04	1.04	1.05	0.01	0.99
C-STRM-53_(C-STRM)	1.04	1.05	1.04	0.95	1.04
C-STRM-57_(C-STRM)	0.98	0.99	0.99	0.66	0.95
C-STRM-60_(C-STRM)	0.78	0.78	0.83	0.01	0.01
C-STRM-62_(C-STRM)	0.67	0.67	0.73	0.01	0.01
C-STRM-63_(C-STRM)	0.73	0.73	0.77	0.01	0.01
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.24	0.01
C-STRM-76_(C-STRM)	1.01	1.04	1.01	0.98	1.01
C-STRM-77_(C-STRM)	0.01	1.01	0.01	0.88	0.01
C-STRM-78_(C-STRM)	0.99	0.99	1.01	0.48	0.81
C-STRM-79_(1)_(C-STRM)	0.43	0.70	0.43	0.87	0.43
C-STRM-79_(C-STRM)	0.67	0.67	0.69	0.01	0.01
C-STRM-8_(1)_(C-STRM)	0.58	0.58	0.69	0.01	0.01
C-STRM-8_(C-STRM)	0.49	0.49	0.58	0.01	0.01
C-STRM-80_(C-STRM)	0.16	0.43	0.16	0.87	0.16
C-STRM-81_(C-STRM)	0.01	0.16	0.01	0.90	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.90	0.01
C-STRM-83_(1)_(C-STRM)	0.73	0.73	0.73	0.49	0.53
C-STRM-84_(C-STRM)	0.82	0.84	0.82	0.58	0.82
C-STRM-87_(C-STRM)	0.72	0.72	0.78	0.01	0.01
CVR-C3	0.01	1.25	0.01	1.53	0.01

Analysis begun on: Thu Jun 25 09:03:37 2026
Analysis ended on: Thu Jun 25 09:04:14 2026
Total elapsed time: 00:00:37

Post-Development HIST 1988

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
                                                  Data       Recording
  Name                 Data Source                Type        Interval
  -------------------------------------------------------------------
  24SCS100             24SCS100                   INTENSITY   15 min.
  6SCS050              6SCS050                    INTENSITY   15 min.
  Rainfall             AUG4-88                    INTENSITY    5 min.


  ********************
  Subcatchment Summary
  ********************
  Name                 Area     Width   %Imperv    %Slope Rain Gage           Outlet
  ------------------------------------------------------------------------------------
  A15_1                1.31     13.10     18.98    0.5000 Rainfall            EXD_8
  A15_2                2.15     13.10     18.98    0.5000 Rainfall            EXD_12
  A18                  0.59    338.21     39.12    0.5000 Rainfall            EXD_25
  A19                  1.11    332.78     22.32    0.5000 Rainfall            EXD_20
  A20                  4.83    279.76      8.37    1.5000 Rainfall            EXD_15
  NULL3                0.57    312.75     83.33    1.4500 Rainfall            EXD_27
  S1                   6.51   1465.85     64.29    2.0000 Rainfall            S_607-605
  S1_1                 0.09    154.58     71.43    2.0000 Rainfall            J19
  S1_2                 0.14    147.72     71.43    2.0000 Rainfall            J21
  S10_1                1.84    414.84     64.29    2.0000 Rainfall            S_620-619
  S10_2                2.13    479.37     64.29    2.0000 Rainfall            S_623-622
  S10_4                0.74    165.67     64.29    2.0000 Rainfall            S_627-630
  S10_5                1.26    284.06     64.29    2.0000 Rainfall            S_622-619
  S11                  3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                  0.44    346.44     71.43    2.0000 Rainfall            J2
  S14_1                0.60    371.55     71.43    2.0000 Rainfall            J27
  S14_3                1.06    381.29     71.43    2.0000 Rainfall            J57
  S14_4                0.31    138.84     71.43    2.0000 Rainfall            J47
  S14_5                1.69    653.02     71.43    2.0000 Rainfall            J28
  S14_6                0.28    141.02     71.43    2.0000 Rainfall            J58
  S14_7                1.19    549.94     71.43    2.0000 Rainfall            J60
  S14_8                0.43    191.40     71.43    2.0000 Rainfall            J50
  S15                  1.64    368.26     64.29    2.0000 Rainfall            S_525-MTD
  S16_1                0.46     16.60    100.00    0.5000 Rainfall            EXD_10
  S16_2                0.99     16.60    100.00    0.5000 Rainfall            EXD_8
  S17                  6.26    202.00      3.33    0.5000 Rainfall            EXD_7
  S18_2                3.35    754.05     67.14    2.0000 Rainfall            S_545-541
  S18_3                1.66    372.76     67.14    2.0000 Rainfall            S_528-525
  S18_4                0.88    197.06     67.14    2.0000 Rainfall            S_540-536
  S18_5                1.83    412.02     67.14    2.0000 Rainfall            S_536-532
  S18_6                0.84    188.96     67.14    2.0000 Rainfall            S_532-528
  S19                  0.97    462.04     71.43    2.0000 Rainfall            J36
  S2                   0.37    154.58     71.43    2.0000 Rainfall            J20
  S2_1                 3.14    707.17     67.14    2.0000 Rainfall            637_(C-
STRM)
  S2_2                 1.01    228.16     67.14    2.0000 Rainfall            633_(C-
STRM)
  S20_1                0.45    284.74     71.43    2.0000 Rainfall            J42
  S20_2                0.24    137.80     71.43    2.0000 Rainfall            J38
  S3                   2.12    476.98     64.29    2.0000 Rainfall            S_652-604
  S32_1                0.43    369.16     71.43    2.0000 Rainfall            J43
  S32_2                0.16     35.80     64.29    2.0000 Rainfall            S_504-503
  S36                  1.82     21.00    100.00    0.5000 Rainfall            EXD_10
  S4                  13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                   3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                   0.34    261.05     57.14    2.0000 Rainfall            OF2
  S7                   3.99    402.80     85.71    0.5000 Rainfall            POND_(C-
STRM)
  S8                   1.60    121.93     35.71    2.0000 Rainfall            PARK


  ************
  Node Summary
  ************
                                    Invert     Max.    Ponded    External
  Name                 Type          Elev.    Depth     Area    Inflow
  ----------------------------------------------------------------------
  EXD_1                JUNCTION     104.39     1.51      0.0
  EXD_10               JUNCTION      98.65     1.20      0.0
  EXD_11               JUNCTION      98.50     1.20      0.0
  EXD_12               JUNCTION      98.31     1.20      0.0
  EXD_13               JUNCTION     104.32     1.10      0.0
  EXD_14               JUNCTION     102.49     0.80      0.0
  EXD_15               JUNCTION     100.27     0.80      0.0
  EXD_16               JUNCTION     100.20     0.80      0.0
  EXD_17               JUNCTION      99.89     0.80      0.0
  EXD_18               JUNCTION      99.40     0.84      0.0
  EXD_19               JUNCTION      99.19     0.88      0.0
  EXD_2                JUNCTION     103.47     1.93      0.0
  EXD_20               JUNCTION      99.19     0.88      0.0
  EXD_21               JUNCTION      99.18     0.88      0.0
  EXD_22               JUNCTION      99.14     0.88      0.0
  EXD_23               JUNCTION      98.75     1.14      0.0
  EXD_24               JUNCTION      98.67     1.14      0.0
  EXD_25               JUNCTION      98.52     1.13      0.0
  EXD_26               JUNCTION      98.48     1.13      0.0
  EXD_27               JUNCTION      98.17     1.20      0.0
  EXD_3                JUNCTION     103.19     1.41      0.0
  EXD_4                JUNCTION     102.64     1.20      0.0
  EXD_5                JUNCTION     102.50     1.20      0.0
  EXD_6                JUNCTION     102.32     1.08      0.0
  EXD_7                JUNCTION     101.50     1.06      0.0
  EXD_8                JUNCTION     100.48     1.06      0.0
  EXD_9                JUNCTION     100.39     1.06      0.0
  J1                   JUNCTION     103.45     0.50      0.0
  J13                  JUNCTION     103.30     0.50      0.0
  J17                  JUNCTION     104.37     1.04      0.0
  J19                  JUNCTION     105.60     0.50      0.0
  J2                   JUNCTION     109.00     0.50      0.0
  J20                  JUNCTION     105.80     0.50      0.0
  J21                  JUNCTION     105.90     0.50      0.0
  J22                  JUNCTION     106.00     0.50      0.0
  J23                  JUNCTION     106.20     0.50      0.0
  J27                  JUNCTION     109.00     0.50      0.0
  J28                  JUNCTION     108.80     0.50      0.0
  J3                   JUNCTION     103.70     0.50      0.0
  J31                  JUNCTION     106.00     0.50      0.0
  J35                  JUNCTION     104.70     0.50      0.0
  J36                  JUNCTION     104.93     0.50      0.0
  J37                  JUNCTION     104.65     0.50      0.0
  J38                  JUNCTION     104.60     0.50      0.0
  J39                  JUNCTION     104.45     0.50      0.0
  J4                   JUNCTION     103.60     0.50      0.0
  J40                  JUNCTION     103.20     0.50      0.0
  J42                  JUNCTION     104.20     0.50      0.0
  J43                  JUNCTION     104.50     0.50      0.0
  J45                  JUNCTION     104.60     0.50      0.0
  J46                  JUNCTION     105.10     0.50      0.0
  J47                  JUNCTION     105.75     0.50      0.0
  J49                  JUNCTION     105.30     0.50      0.0
  J5                   JUNCTION     103.50     0.50      0.0
  J50                  JUNCTION     106.75     0.50      0.0
  J51                  JUNCTION     109.75     0.50      0.0
  J52                  JUNCTION     109.00     0.50      0.0
  J55                  JUNCTION     109.10     0.50      0.0
  J56                  JUNCTION     108.47     0.50      0.0
  J57                  JUNCTION     108.40     0.50      0.0
  J58                  JUNCTION     108.00     0.50      0.0
  J6                   JUNCTION     103.40     0.50      0.0
  J60                  JUNCTION     107.00     0.50      0.0
  J61                  JUNCTION     106.50     0.50      0.0
  J62                  JUNCTION     105.70     0.50      0.0
  J63                  JUNCTION     105.20     0.50      0.0
  J66                  JUNCTION     107.75     0.50      0.0
  J67                  JUNCTION     107.50     0.50      0.0
  J74                  JUNCTION      98.45     0.90      0.0
  OF1                  OUTFALL      100.80     0.00      0.0
  OF2                  OUTFALL        0.00     0.00      0.0
  OF3                  OUTFALL       98.00     1.06      0.0
  ST4_108A_(P-Stm)     OUTFALL       98.02     1.19      0.0
  500_(C-STRM)         STORAGE      100.37     2.79      0.0
  502_(C-STRM)         STORAGE      100.57     3.70      0.0
  503_(C-STRM)         STORAGE      100.61     3.91      0.0
  504_(C-STRM)         STORAGE      103.06     2.80      0.0
  505_(C-STRM)         STORAGE      103.48     3.27      0.0
  506_(C-STRM)         STORAGE      103.83     3.15      0.0
  507_(C-STRM)         STORAGE      104.17     3.19      0.0
  508_(C-STRM)         STORAGE      104.39     3.18      0.0
  509_(C-STRM)         STORAGE      104.62     3.12      0.0
  510_(C-STRM)         STORAGE      104.87     3.06      0.0
  511_(C-STRM)         STORAGE      104.94     3.06      0.0
  512_(C-STRM)         STORAGE      105.14     3.10      0.0
  513_(C-STRM)         STORAGE      105.27     3.12      0.0
  514_(C-STRM)         STORAGE      105.61     3.13      0.0
  515_(C-STRM)         STORAGE      105.88     3.22      0.0
  516_(C-STRM)         STORAGE      105.48     3.03      0.0
  517_(C-STRM)         STORAGE      105.64     3.00      0.0
  518_(C-STRM)         STORAGE      105.88     2.90      0.0
  519_(C-STRM)         STORAGE      106.10     2.79      0.0
  520_(C-STRM)         STORAGE      106.37     2.63      0.0
  522_(C-STRM)         STORAGE      104.31     3.00      0.0
  525_(C-STRM)         STORAGE      100.58     2.72      0.0
  528_(C-STRM)         STORAGE      100.70     2.71      0.0
  532_(C-STRM)         STORAGE      100.80     2.70      0.0
  536_(C-STRM)         STORAGE      100.95     2.65      0.0
  540_(C-STRM)         STORAGE      100.83     2.87      0.0
  541_(C-STRM)         STORAGE      100.91     2.92      0.0
  551_(C-STRM)         STORAGE      100.67     3.79      0.0
  552_(C-STRM)         STORAGE      100.77     3.86      0.0
  553_(C-STRM)         STORAGE      100.96     3.76      0.0
  554_(C-STRM)         STORAGE      101.08     3.89      0.0
  555_(C-STRM)         STORAGE      101.27     4.08      0.0
  556_(C-STRM)         STORAGE      101.39     4.21      0.0
  601_(C-STRM)         STORAGE      100.43     4.45      0.0
  602_(C-STRM)         STORAGE      100.48     4.16      0.0
  603_(C-STRM)         STORAGE      100.55     3.99      0.0
  604_(C-STRM)         STORAGE      100.63     5.14      0.0
  605_(C-STRM)         STORAGE      101.38     5.35      0.0
  619_(C-STRM)         STORAGE      101.12     5.40      0.0
  622_(C-STRM)         STORAGE      101.24     4.78      0.0
  626_(C-STRM)         STORAGE      104.00     3.20      0.0
  627_(C-STRM)         STORAGE      103.20     3.50      0.0
  629_(C-STRM)         STORAGE      101.71     4.40      0.0
  630_(C-STRM)         STORAGE      101.83     4.37      0.0
  630A_(C-STRM)        STORAGE      101.88     4.12      0.0
  633_TC-STRM)         STORAGE      105.30     0.50      0.0
  634_(C-STRM)         STORAGE      101.88     3.82      0.0
  637_(C-STRM)         STORAGE      105.35     0.50      0.0
  643_(C-STRM)         STORAGE      102.07     3.45      0.0
  644_(C-STRM)         STORAGE      102.54     3.17      0.0
  645_(C-STRM)         STORAGE      102.30     3.61      0.0
  646_(C-STRM)         STORAGE      102.43     3.34      0.0
  647_(C-STRM)         STORAGE      102.57     3.03      0.0
  650_(C-STRM)         STORAGE      100.99     5.17      0.0
  651_(C-STRM)         STORAGE      100.89     4.99      0.0
  652_(C-STRM)         STORAGE      100.87     4.97      0.0
  Filter_Bed           STORAGE      100.10     1.48      0.0
  Industrial_NORTH     STORAGE      105.20     0.50      0.0
  Industrial_South     STORAGE      105.00     0.50      0.0
  MTD_(C-STRM)         STORAGE      100.36     3.02      0.0
  OVERFLOW_(C-STRM)    STORAGE      100.17     2.83      0.0
  PARK                 STORAGE      105.36     0.50      0.0
  POND_(C-STRM)        STORAGE       98.45     2.65      0.0    Yes
  S_504-503            STORAGE      105.75     0.50      0.0
  S_525-MTD            STORAGE      103.45     0.50      0.0
  S_528-525            STORAGE      103.50     0.50      0.0
  S_532-528            STORAGE      103.65     0.50      0.0
  S_536-532            STORAGE      103.70     0.50      0.0
  S_540-536            STORAGE      103.85     0.50      0.0
  S_545-541            STORAGE      103.90     0.50      0.0
  S_607-605            STORAGE      107.90     0.50      0.0
  S_620-619            STORAGE      106.90     0.50      0.0
  S_622-619            STORAGE      106.00     0.50      0.0
  S_623-622            STORAGE      106.50     0.50      0.0
  S_627-630            STORAGE      106.70     0.50      0.0
  S_652-604            STORAGE      105.85     0.50      0.0
  Woodlot_North        STORAGE      106.75     0.50      0.0


  ************
  Link Summary
  ************
  Name                 From Node        To Node          Type            Length    %Slope
Roughness
  ---------------------------------------------------------------------------------------
-
  BDR-C1               EXD_15           EXD_16           CONDUIT           17.7    0.3844
0.0250
  BDR-C2               EXD_20           EXD_21           CONDUIT            7.9    0.0632
0.0130
  BDR-C3               EXD_25           EXD_26           CONDUIT           14.2    0.2683
0.0130
  BDR-C4               EXD_12           EXD_27           CONDUIT           23.0    0.6077
0.0130
  C1                   J27              J28              CONDUIT          185.8    0.1077
0.0130
```

C1_1	J28	J57	CONDUIT	329.5	0.1214
0.0130					
C1_11	J47	J43	CONDUIT	75.0	1.6661
0.0130					
C1_2	J55	J57	CONDUIT	190.6	0.3672
0.0130					
C1_3	J56	J57	CONDUIT	40.0	0.1748
0.0130					
C1_4	J58	J66	CONDUIT	70.2	0.3562
0.0130					
C1_5	J57	J58	CONDUIT	76.8	0.5205
0.0130					
C1_6	J66	J67	CONDUIT	70.0	0.3571
0.0130					
C1_7	J67	J60	CONDUIT	69.8	0.7166
0.0130					
C1_8	J60	J50	CONDUIT	73.0	0.3424
0.0130					
C1_9	J50	J47	CONDUIT	92.6	1.0800
0.0130					
C2	J2	EXD_1	CONDUIT	173.2	1.9632
0.0130					
C2_1	J51	J52	CONDUIT	39.5	1.8977
0.0130					
C2_10	J63	J36	CONDUIT	39.5	0.6883
0.0130					
C2_11	J36	J35	CONDUIT	72.0	0.3166
0.0130					
C2_12	J35	J37	CONDUIT	45.5	0.1098
0.0130					
C2_13	J37	J38	CONDUIT	28.9	0.1729
0.0130					
C2_14	J38	J39	CONDUIT	44.0	0.3457
0.0130					
C2_15	J39	J42	CONDUIT	72.0	0.3442
0.0130					
C2_16	J43	J42	CONDUIT	31.1	0.9633
0.0130					
C2_18	J45	J43	CONDUIT	70.2	0.1425
0.0130					
C2_2	J60	J61	CONDUIT	75.0	0.6666
0.0130					
C2_3	J52	J60	CONDUIT	165.4	1.2090
0.0130					
C2_4	J61	J31	CONDUIT	72.0	0.6944
0.0130					
C2_5	J23	J31	CONDUIT	163.3	0.1225
0.0130					
C2_7	J23	J22	CONDUIT	27.9	0.7165
0.0130					
C2_8	J19	J63	CONDUIT	110.8	0.3610
0.0130					
C2_9	J46	J45	CONDUIT	93.4	0.5355
0.0130					
C3	J3	J4	CONDUIT	72.6	0.1378
0.0130					
C3_2	J22	J21	CONDUIT	73.0	0.1370
0.0130					
C3_6	J21	J20	CONDUIT	75.8	0.1319
0.0130					
C3_7	J20	J19	CONDUIT	112.3	0.1781
0.0130					
C4	J4	J5	CONDUIT	49.7	0.2012
0.0130					
C4_5	J1	J13	CONDUIT	118.4	0.1267
0.0130					
C4_6	J42	J40	CONDUIT	45.9	2.1776
0.0130					
C4_7	J13	J40	CONDUIT	64.4	0.1553
0.0130					
C5	J5	J6	CONDUIT	68.4	0.1461
0.0130					
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054
0.0250					
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866
0.0250					
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893
0.0250					
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098
0.0250					
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876
0.0250					
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550
0.0250					
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893
0.0250					
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781
0.0250					
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645
0.0250					
C5_18	J31	J62	CONDUIT	71.0	0.4225
0.0130					
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558
0.0250					
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933
0.0250					
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645
0.0250					
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626
0.0250					
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299
0.0250					
C5_24	J62	J49	CONDUIT	91.3	0.4382
0.0130					
C5_25	J49	J38	CONDUIT	76.5	0.9152
0.0130					
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195
0.0250					
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880
0.0250					
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893
0.0250					
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871
0.0250					
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091
0.0250					
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095
0.0250					
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087
0.0250					
C6	J6	J13	CONDUIT	71.5	0.1398
0.0130					
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144
0.0130					
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998
0.0130					
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500
0.0130					
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500
0.0130					
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	CONDUIT	26.4	0.4998
0.0130					
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021
0.0130					
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	CONDUIT	14.0	0.5008
0.0130					
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502
0.0130					
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502
0.0130					
C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495
0.0130					
C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498
0.0130					
C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502
0.0130					
C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002
0.0130					
C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995
0.0130					
C-STRM-22_(1)_(C-STRM)	629_(C-STRM)	622_(C-STRM)	CONDUIT	81.4	0.1499
0.0130					
C-STRM-22_(C-STRM)	630_(C-STRM)	629_(C-STRM)	CONDUIT	82.1	0.1498
0.0130					
C-STRM-23_(C-STRM)	634_(C-STRM)	622_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-26_(1)_(C-STRM)	551_(C-STRM)	502_(C-STRM)	CONDUIT	60.8	0.1613
0.0130					
C-STRM-26_(C-STRM)	552_(C-STRM)	551_(C-STRM)	CONDUIT	60.3	0.1593
0.0130					
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	506_(C-STRM)	505_(C-STRM)	CONDUIT		
70.0	0.4998	0.0130			
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	507_(C-STRM)	506_(C-STRM)	CONDUIT	51.7	
0.5005	0.0130				
C-STRM-3_(1)_(1)_(1)_(C-STRM)	508_(C-STRM)	507_(C-STRM)	CONDUIT	45.5	
0.5011	0.0130				
C-STRM-3_(1)_(1)_(C-STRM)	509_(C-STRM)	508_(C-STRM)	CONDUIT	45.5	0.4989
0.0130					
C-STRM-3_(1)_(2)_(C-STRM)	510_(C-STRM)	509_(C-STRM)	CONDUIT	55.7	0.4507
0.0130					
C-STRM-3_(1)_(C-STRM)	511_(C-STRM)	510_(C-STRM)	CONDUIT	14.5	0.4469
0.0130					
C-STRM-33_(1)_(C-STRM)	646_(C-STRM)	645_(C-STRM)	CONDUIT	91.0	0.1505
0.0130					
C-STRM-33_(C-STRM)	647_(C-STRM)	646_(C-STRM)	CONDUIT	92.9	0.1496
0.0130					
C-STRM-34_(1)_(1)_(C-STRM)	555_(C-STRM)	554_(C-STRM)	CONDUIT	75.2	
0.1596	0.0130				
C-STRM-34_(1)_(C-STRM)	556_(C-STRM)	555_(C-STRM)	CONDUIT	75.2	0.1596
0.0130					
C-STRM-35_(1)_(C-STRM)	553_(C-STRM)	552_(C-STRM)	CONDUIT	72.1	0.1596
0.0130					
C-STRM-35_(C-STRM)	554_(C-STRM)	553_(C-STRM)	CONDUIT	72.0	0.1611
0.0130					
C-STRM-4_(1)_(C-STRM)	504_(C-STRM)	503_(C-STRM)	CONDUIT	83.2	0.6007
0.0130					
C-STRM-4_(C-STRM)	505_(C-STRM)	504_(C-STRM)	CONDUIT	84.0	0.4998
0.0130					
C-STRM-46_(1)_(1)_(C-STRM)	650_(C-STRM)	651_(C-STRM)	CONDUIT	68.0	
0.1500	0.0130				
C-STRM-46_(1)_(C-STRM)	619_(C-STRM)	650_(C-STRM)	CONDUIT	89.7	0.1506
0.0130					
C-STRM-49_(C-STRM)	541_(C-STRM)	540_(C-STRM)	CONDUIT	47.7	0.1508
0.0130					
C-STRM-50_(C-STRM)	540_(C-STRM)	536_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-51_(C-STRM)	536_(C-STRM)	532_(C-STRM)	CONDUIT	48.5	0.1505
0.0130					
C-STRM-52_(C-STRM)	532_(C-STRM)	528_(C-STRM)	CONDUIT	69.0	0.1507
0.0130					
C-STRM-53_(C-STRM)	528_(C-STRM)	525_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-57_(C-STRM)	503_(C-STRM)	502_(C-STRM)	CONDUIT	27.5	0.1489
0.0130					
C-STRM-60_(C-STRM)	644_(C-STRM)	643_(C-STRM)	CONDUIT	67.2	0.2486
0.0130					
C-STRM-62_(C-STRM)	520_(C-STRM)	519_(C-STRM)	CONDUIT	95.9	0.2003
0.0130					
C-STRM-63_(C-STRM)	519_(C-STRM)	518_(C-STRM)	CONDUIT	97.4	0.1498
0.0130					
C-STRM-64_(C-STRM)	522_(C-STRM)	EXD_1	CONDUIT	81.9	0.2504
0.0130					
C-STRM-76_(C-STRM)	525_(C-STRM)	MTD_(C-STRM)	CONDUIT	72.6	0.1998
0.0130					
C-STRM-77_(C-STRM)	MTD_(C-STRM)	OVERFLOW_(C-STRM)	CONDUIT	38.5	0.4986
0.0130					
C-STRM-78_(C-STRM)	502_(C-STRM)	MTD_(C-STRM)	CONDUIT	44.0	0.3003
0.0130					
C-STRM-79_(1)_(C-STRM)	604_(C-STRM)	603_(C-STRM)	CONDUIT	72.0	0.1000
0.0130					
C-STRM-79_(C-STRM)	605_(C-STRM)	604_(C-STRM)	CONDUIT	89.5	0.1508
0.0130					
C-STRM-8_(1)_(C-STRM)	514_(C-STRM)	513_(C-STRM)	CONDUIT	95.2	0.1997
0.0130					
C-STRM-8_(C-STRM)	515_(C-STRM)	514_(C-STRM)	CONDUIT	95.1	0.1997
0.0130					
C-STRM-80_(C-STRM)	603_(C-STRM)	602_(C-STRM)	CONDUIT	74.3	0.0996
0.0130					
C-STRM-81_(C-STRM)	602_(C-STRM)	601_(C-STRM)	CONDUIT	46.7	0.1007
0.0130					
C-STRM-82_(C-STRM)	601_(C-STRM)	POND_(C-STRM)	CONDUIT	33.0	0.1000
0.0130					
C-STRM-83_(1)_(C-STRM)	630A_(C-STRM)	630_(C-STRM)	CONDUIT	27.1	0.1513
0.0130					
C-STRM-84_(C-STRM)	622_(C-STRM)	619_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-87_(C-STRM)	645_(C-STRM)	644_(C-STRM)	CONDUIT	68.6	0.2494
0.0130					
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875
0.0130					
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114
0.0130					
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110
0.0130					
ST4-Pipe_-_(99)_(P-Stm)	J74	ST4_108A_(P-Stm)	CONDUIT	49.3	0.2840
0.0130					
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063
0.0250					
OR1	POND_(C-STRM)	J74	ORIFICE		
OR2	POND_(C-STRM)	J74	ORIFICE		
W10	637_(C-STRM)	J35	WEIR		
W11	633_(C-STRM)	J49	WEIR		
W12	S_652-604	J47	WEIR		
W13	S_545-541	J3	WEIR		
W14	S_540-536	J3	WEIR		
W15	S_536-532	J4	WEIR		
W16	S_532-528	J5	WEIR		
W17	S_528-525	J6	WEIR		
W2	POND_(C-STRM)	OF1	WEIR		
W3	S_504-503	J47	WEIR		
W4	S_627-630	J23	WEIR		
W5	S_525-MTD	J13	WEIR		
W6	S_623-622	J31	WEIR		
W7	S_620-619	J61	WEIR		
W8	S_607-605	J50	WEIR		
W9	S_622-619	J31	WEIR		
C-STRM-108_(1)_(C-STRM)	633_(C-STRM)	634_(C-STRM)	OUTLET		
C-STRM-14_(1)_(C-STRM)	S_607-605	605_(C-STRM)	OUTLET		
C-STRM-27_(C-STRM)	S_623-622	622_(C-STRM)	OUTLET		
C-STRM-42_(C-STRM)	S_545-541	541_(C-STRM)	OUTLET		
C-STRM-44_(1)_(C-STRM)	S_525-MTD	525_(C-STRM)	OUTLET		
C-STRM-45_(1)_(C-STRM)	S_620-619	619_(C-STRM)	OUTLET		
C-STRM-61_(C-STRM)	637_(C-STRM)	643_(C-STRM)	OUTLET		
C-STRM-71_(C-STRM)	Industrial_South	647_(C-STRM)	OUTLET		
C-STRM-83_(C-STRM)	Industrial_NORTH	630A_(C-STRM)	OUTLET		
C-STRM-93_(C-STRM)	S_540-536	540_(C-STRM)	OUTLET		
C-STRM-96_(1)_(C-STRM)	S_536-532	536_(C-STRM)	OUTLET		
C-STRM-97_(1)_(C-STRM)	S_532-528	532_(C-STRM)	OUTLET		
C-STRM-98_(1)_(C-STRM)	S_528-525	528_(C-STRM)	OUTLET		
OL1	J2	622_(C-STRM)	OUTLET		
OL10	Filter_Bed	POND_(C-STRM)	OUTLET		
OL11	J50	505_(C-STRM)	OUTLET		
OL12	J60	506_(C-STRM)	OUTLET		
OL13	J58	511_(C-STRM)	OUTLET		
OL14	J57	513_(C-STRM)	OUTLET		
OL15	J28	518_(C-STRM)	OUTLET		
OL16	J2	522_(C-STRM)	OUTLET		
OL17	J27	520_(C-STRM)	OUTLET		
OL18	J19	647_(C-STRM)	OUTLET		
OL19	J20	646_(C-STRM)	OUTLET		
OL2	J35	553_(C-STRM)	OUTLET		
OL20	S_504-503	504_(C-STRM)	OUTLET		
OL21	PARK	602_(C-STRM)	OUTLET		
OL22	J21	645_(C-STRM)	OUTLET		
OL3	J38	552_(C-STRM)	OUTLET		

OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET
OL6	Woodlot_North	626_(C-STRM)	OUTLET
OL7	S_627-630	627_(C-STRM)	OUTLET
OL8	S_652-604	652_(C-STRM)	OUTLET
OL9	J47	504_(C-STRM)	OUTLET

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-20_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM) CIRCULAR		0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM) CIRCULAR		0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM) CIRCULAR		0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM) CIRCULAR		0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM) CIRCULAR		1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM) CIRCULAR		0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM) CIRCULAR		0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM) CIRCULAR		0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM) CIRCULAR		0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM) CIRCULAR		1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM) CIRCULAR		1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM) CIRCULAR		1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM) CIRCULAR		0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm) CIRCULAR		0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

****
Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1373	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2287	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9708	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4415	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4058	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1134	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772

0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912
0.3975	0.4038	0.4101	0.4147	0.4188
0.4228	0.4269	0.4309	0.4350	0.4390
0.4430	0.4471	0.4511	0.4552	0.4592
0.4633	0.4673	0.4719	0.4786	0.4852
0.4919	0.4986	0.5052	0.5119	0.5186
0.5252	0.5375	0.5591	0.5808	0.6126
0.6529	0.7560	0.7953	0.8372	1.0000

Transect Barnsdale_UPST5

Area:

0.0011	0.0046	0.0104	0.0185	0.0278
0.0383	0.0495	0.0612	0.0736	0.0865
0.1000	0.1141	0.1288	0.1443	0.1606
0.1778	0.1959	0.2143	0.2330	0.2518
0.2709	0.2903	0.3099	0.3296	0.3497
0.3699	0.3904	0.4111	0.4319	0.4530
0.4743	0.4958	0.5175	0.5395	0.5616
0.5839	0.6064	0.6292	0.6521	0.6753
0.6991	0.7235	0.7484	0.7740	0.8019
0.8364	0.8742	0.9142	0.9560	1.0000

Hrad:

0.0248	0.0493	0.0735	0.1040	0.1389
0.1735	0.2124	0.2498	0.2859	0.3209
0.3550	0.3881	0.4187	0.4434	0.4680
0.4924	0.5212	0.5606	0.5992	0.6372
0.6745	0.7111	0.7472	0.7827	0.8176
0.8520	0.8860	0.9202	0.9539	0.9872
1.0201	1.0525	1.0845	1.1162	1.1474
1.1784	1.2090	1.2392	1.2691	1.2876
1.2994	1.3117	1.3244	1.3163	1.1702
1.0461	1.0307	1.0260	1.0309	1.0000

Width:

0.0497	0.0999	0.1518	0.1903	0.2141
0.2355	0.2481	0.2607	0.2733	0.2859
0.2985	0.3111	0.3252	0.3438	0.3625
0.3813	0.3961	0.4010	0.4059	0.4108
0.4157	0.4206	0.4255	0.4303	0.4352
0.4401	0.4450	0.4494	0.4538	0.4583
0.4627	0.4672	0.4716	0.4761	0.4805
0.4850	0.4894	0.4938	0.4983	0.5078
0.5204	0.5330	0.5457	0.5684	0.6711
0.7919	0.8423	0.8866	0.9238	1.0000

Transect Barnsdale_UPST6

Area:

0.0014	0.0054	0.0102	0.0156	0.0217
0.0284	0.0356	0.0434	0.0517	0.0605
0.0698	0.0796	0.0899	0.1007	0.1121
0.1243	0.1373	0.1512	0.1656	0.1807
0.1962	0.2123	0.2291	0.2483	0.2703
0.2945	0.3189	0.3434	0.3680	0.3929
0.4178	0.4430	0.4687	0.4947	0.5212
0.5482	0.5760	0.6046	0.6335	0.6626
0.6921	0.7218	0.7518	0.7820	0.8133
0.8461	0.8801	0.9163	0.9564	1.0000

Hrad:

0.0226	0.0600	0.0982	0.1332	0.1659
0.1974	0.2291	0.2613	0.2925	0.3228
0.3524	0.3813	0.4096	0.4373	0.4557
0.4729	0.4908	0.5133	0.5388	0.5667
0.5954	0.6238	0.6186	0.5790	0.5404
0.5828	0.6246	0.6659	0.7067	0.7469
0.7867	0.8189	0.8502	0.8811	0.9116
0.9331	0.9497	0.9763	1.0109	1.0452
1.0791	1.1126	1.1458	1.1787	1.1574
1.1642	1.1570	1.1256	1.0602	1.0000

Width:

0.0656	0.0958	0.1094	0.1231	0.1368
0.1501	0.1622	0.1729	0.1837	0.1944
0.2052	0.2159	0.2267	0.2377	0.2539
0.2715	0.2891	0.3043	0.3175	0.3291
0.3399	0.3507	0.3819	0.4435	0.5186
0.5219	0.5251	0.5284	0.5317	0.5350
0.5382	0.5558	0.5647	0.5737	0.5827
0.5886	0.6068	0.6185	0.6243	0.6301
0.6359	0.6417	0.6475	0.6534	0.6932
0.7170	0.7512	0.8061	0.8978	1.0000

Transect Barnsdale_UPST7

Area:

0.0031	0.0077	0.0135	0.0206	0.0292
0.0385	0.0485	0.0590	0.0699	0.0811
0.0928	0.1047	0.1170	0.1297	0.1427
0.1561	0.1700	0.1843	0.1992	0.2145
0.2304	0.2467	0.2636	0.2810	0.3005
0.3224	0.3464	0.3708	0.3955	0.4204
0.4456	0.4710	0.4972	0.5239	0.5510
0.5784	0.6060	0.6340	0.6622	0.6907
0.7195	0.7487	0.7782	0.8081	0.8383
0.8691	0.9003	0.9322	0.9647	1.0000

Hrad:

0.0323	0.0624	0.0905	0.1084	0.1375
0.1686	0.1997	0.2314	0.2650	0.2977
0.3296	0.3608	0.3913	0.4212	0.4493
0.4751	0.5005	0.5247	0.5476	0.5703
0.5929	0.6154	0.6378	0.6601	0.5891
0.5938	0.5928	0.6266	0.6599	0.6927
0.7252	0.7501	0.7705	0.7948	0.8255
0.8559	0.8860	0.9157	0.9452	0.9727
1.0000	1.0270	1.0538	1.0784	1.1003
1.1221	1.1420	1.1557	1.1624	1.0000

Width:

0.0999	0.1304	0.1570	0.1994	0.2229
0.2396	0.2541	0.2664	0.2751	0.2837
0.2923	0.3010	0.3096	0.3183	0.3279
0.3390	0.3501	0.3618	0.3745	0.3872
0.3998	0.4124	0.4251	0.4377	0.5266
0.5610	0.6032	0.6092	0.6153	0.6213
0.6274	0.6399	0.6563	0.6692	0.6761
0.6830	0.6899	0.6967	0.7036	0.7118
0.7199	0.7281	0.7362	0.7458	0.7573
0.7688	0.7817	0.7991	0.8220	1.0000

Transect GBR

Area:

0.0002	0.0008	0.0018	0.0032	0.0051
0.0073	0.0099	0.0130	0.0164	0.0203
0.0245	0.0292	0.0343	0.0401	0.0532
0.0756	0.1002	0.1249	0.1496	0.1742
0.1989	0.2235	0.2482	0.2729	0.2975
0.3222	0.3468	0.3715	0.3962	0.4209
0.4460	0.4715	0.4974	0.5237	0.5505
0.5776	0.6051	0.6331	0.6614	0.6902
0.7193	0.7489	0.7789	0.8092	0.8400
0.8712	0.9028	0.9348	0.9672	1.0000

Hrad:

0.0148	0.0296	0.0444	0.0592	0.0741
0.0889	0.1037	0.1185	0.1333	0.1481
0.1629	0.1777	0.1925	0.1451	0.0889
0.0921	0.1222	0.1522	0.1821	0.2121
0.2420	0.2720	0.3019	0.3318	0.3616
0.3913	0.4211	0.4511	0.4809	0.5106
0.5398	0.5684	0.5963	0.6237	0.6505
0.6768	0.7026	0.7280	0.7529	0.7773
0.8013	0.8249	0.8480	0.8708	0.8932
0.9153	0.9369	0.9583	0.9793	1.0000

Width:

0.0123	0.0246	0.0369	0.0492	0.0614
0.0737	0.0860	0.0983	0.1106	0.1229
0.1352	0.1475	0.1598	0.2496	0.5446
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7470
0.7470	0.7470	0.7470	0.7470	0.7542
0.7665	0.7788	0.7911	0.8034	0.8157
0.8280	0.8402	0.8525	0.8648	0.8771
0.8894	0.9017	0.9140	0.9263	0.9386
0.9508	0.9631	0.9754	0.9877	1.0000

Transect Pond_SpillWay

Area:

0.0040	0.0088	0.0142	0.0204	0.0274
0.0350	0.0434	0.0524	0.0622	0.0728
0.0840	0.0960	0.1087	0.1221	0.1362
0.1511	0.1666	0.1829	0.2000	0.2177
0.2362	0.2554	0.2753	0.2959	0.3173
0.3393	0.3621	0.3856	0.4099	0.4348
0.4600	0.4855	0.5113	0.5375	0.5640
0.5908	0.6180	0.6454	0.6732	0.7013
0.7297	0.7585	0.7875	0.8169	0.8466
0.8767	0.9070	0.9377	0.9687	1.0000

Hrad:

0.0187	0.0367	0.0543	0.0716	0.0888
0.1059	0.1230	0.1400	0.1570	0.1740
0.1910	0.2080	0.2251	0.2421	0.2592
0.2763	0.2935	0.3106	0.3278	0.3450
0.3622	0.3795	0.3967	0.4140	0.4313
0.4486	0.4660	0.4833	0.5007	0.5241
0.5500	0.5758	0.6013	0.6266	0.6517
0.6766	0.7013	0.7257	0.7498	0.7737
0.7974	0.8209	0.8441	0.8670	0.8898
0.9123	0.9345	0.9566	0.9784	1.0000

Width:

0.1394	0.1623	0.1853	0.2082	0.2311
0.2541	0.2770	0.2999	0.3229	0.3458
0.3687	0.3917	0.4146	0.4375	0.4605
0.4834	0.5063	0.5293	0.5522	0.5751
0.5981	0.6210	0.6439	0.6669	0.6898
0.7127	0.7357	0.7586	0.7815	0.7956
0.8139	0.8161	0.8263	0.8365	0.8467
0.8569	0.8672	0.8774	0.8876	0.8978
0.9080	0.9183	0.9285	0.9387	0.9489
0.9591	0.9693	0.9796	0.9898	1.0000

Transect ROW_14m

Area:

0.0004	0.0017	0.0038	0.0067	0.0104
0.0150	0.0204	0.0267	0.0338	0.0417
0.0504	0.0600	0.0704	0.0817	0.0938
0.1067	0.1204	0.1350	0.1504	0.1667
0.1838	0.2017	0.2204	0.2400	0.2605
0.2817	0.3038	0.3267	0.3502	0.3738
0.3973	0.4209	0.4446	0.4692	0.4952
0.5225	0.5510	0.5808	0.6118	0.6439
0.6767	0.7100	0.7440	0.7787	0.8140
0.8499	0.8865	0.9237	0.9615	1.0000

Hrad:

0.0169	0.0338	0.0507	0.0677	0.0846
0.1015	0.1184	0.1353	0.1522	0.1692
0.1861	0.2030	0.2199	0.2368	0.2537
0.2707	0.2876	0.3045	0.3214	0.3383
0.3552	0.3720	0.3891	0.4060	0.4229
0.4398	0.4567	0.4736	0.5027	0.5359
0.5691	0.6022	0.6353	0.6667	0.6957
0.7226	0.7474	0.7704	0.7918	0.8123
0.8326	0.8526	0.8721	0.8914	0.9103
0.9289	0.9471	0.9651	0.9827	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6200	0.6529	0.6857
0.7186	0.7514	0.7843	0.8171	0.8357
0.8521	0.8686	0.8850	0.9014	0.9179
0.9343	0.9507	0.9671	0.9836	1.0000

Transect ROW_14m_Mountable

Area:

0.0003	0.0012	0.0028	0.0049	0.0077
0.0111	0.0151	0.0197	0.0249	0.0307
0.0372	0.0442	0.0519	0.0602	0.0691
0.0787	0.0888	0.0996	0.1109	0.1229
0.1355	0.1487	0.1625	0.1770	0.1923
0.2092	0.2277	0.2477	0.2693	0.2924
0.3170	0.3433	0.3711	0.4004	0.4310
0.4626	0.4954	0.5293	0.5642	0.6002
0.6373	0.6755	0.7144	0.7538	0.7936
0.8340	0.8748	0.9160	0.9578	1.0000

Hrad:

0.0222	0.0445	0.0667	0.0889	0.1111
0.1334	0.1556	0.1778	0.2001	0.2223
0.2445	0.2667	0.2890	0.3112	0.3334
0.3556	0.3779	0.4001	0.4223	0.4446
0.4668	0.4890	0.5112	0.5335	0.5550
0.5733	0.5891	0.6029	0.6151	0.6263
0.6367	0.6465	0.6559	0.6653	0.6759
0.6872	0.6992	0.7116	0.7245	0.7378
0.7514	0.7663	0.7966	0.8266	0.8563
0.8856	0.9147	0.9434	0.9719	1.0000

Width:

0.0145	0.0290	0.0434	0.0579	0.0724
0.0869	0.1013	0.1158	0.1303	0.1448
0.1593	0.1737	0.1882	0.2027	0.2172
0.2316	0.2461	0.2606	0.2751	0.2896
0.3040	0.3185	0.3330	0.3475	0.3798
0.4164	0.4530	0.4897	0.5263	0.5629
0.5995	0.6362	0.6728	0.7080	0.7335
0.7591	0.7846	0.8102	0.8357	0.8613
0.8868	0.9114	0.9225	0.9336	0.9446
0.9557	0.9668	0.9779	0.9889	1.0000

Transect ROW_14m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0153	0.0209	0.0273	0.0345	0.0426
0.0516	0.0614	0.0721	0.0836	0.0959
0.1091	0.1232	0.1381	0.1539	0.1705
0.1880	0.2064	0.2255	0.2456	0.2665
0.2882	0.3108	0.3343	0.3583	0.3824
0.4065	0.4306	0.4548	0.4797	0.5055
0.5322	0.5598	0.5883	0.6176	0.6479
0.6791	0.7112	0.7441	0.7780	0.8127
0.8484	0.8850	0.9224	0.9608	1.0000

Hrad:

0.0166	0.0332	0.0498	0.0664	0.0830
0.0997	0.1163	0.1329	0.1495	0.1661
0.1827	0.1993	0.2159	0.2325	0.2491
0.2657	0.2823	0.2990	0.3156	0.3322
0.3488	0.3654	0.3820	0.3986	0.4152
0.4318	0.4484	0.4650	0.4935	0.5262
0.5588	0.5913	0.6238	0.6553	0.6853
0.7137	0.7407	0.7664	0.7909	0.8143
0.8366	0.8579	0.8783	0.8979	0.9166
0.9346	0.9519	0.9685	0.9845	1.0000

Width:

0.0215	0.0430	0.0645	0.0859	0.1074
0.1289	0.1504	0.1719	0.1934	0.2148
0.2363	0.2578	0.2793	0.3008	0.3223
0.3437	0.3652	0.3867	0.4082	0.4297
0.4512	0.4726	0.4941	0.5156	0.5371
0.5586	0.5801	0.6015	0.6071	0.6071
0.6071	0.6071	0.6160	0.6386	0.6612
0.6838	0.7063	0.7289	0.7515	0.7741
0.7967	0.8193	0.8419	0.8645	0.8871
0.9096	0.9322	0.9548	0.9774	1.0000

Transect ROW_14m-MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0407	0.0484	0.0568	0.0659	0.0757
0.0861	0.0972	0.1089	0.1214	0.1345
0.1483	0.1631	0.1791	0.1963	0.2146
0.2342	0.2549	0.2768	0.2999	0.3242

```
          0.3497    0.3764    0.4043    0.4333    0.4635
          0.4949    0.5273    0.5601    0.5935    0.6274
          0.6618    0.6967    0.7326    0.7693    0.8064
          0.8441    0.8823    0.9210    0.9603    1.0000
Hrad:
          0.0198    0.0396    0.0594    0.0792    0.0990
          0.1188    0.1386    0.1584    0.1782    0.1980
          0.2178    0.2376    0.2574    0.2772    0.2971
          0.3169    0.3367    0.3565    0.3763    0.3961
          0.4159    0.4357    0.4520    0.4681    0.4834
          0.4979    0.5119    0.5256    0.5389    0.5521
          0.5650    0.5779    0.5907    0.6035    0.6162
          0.6289    0.6560    0.6844    0.7123    0.7397
          0.7667    0.7933    0.8190    0.8459    0.8726
          0.8988    0.9247    0.9501    0.9752    1.0000
Width:
          0.0168    0.0336    0.0504    0.0673    0.0841
          0.1009    0.1177    0.1345    0.1513    0.1681
          0.1849    0.2018    0.2186    0.2354    0.2522
          0.2690    0.2858    0.3026    0.3195    0.3363
          0.3552    0.3849    0.4146    0.4442    0.4739
          0.5036    0.5332    0.5629    0.5926    0.6223
          0.6519    0.6816    0.7113    0.7409    0.7706
          0.8003    0.8150    0.8279    0.8407    0.8536
          0.8664    0.8816    0.9093    0.9229    0.9357
          0.9486    0.9614    0.9743    0.9871    1.0000

Transect ROW_16.5m_Mountable
Area:
          0.0003    0.0012    0.0027    0.0048    0.0074
          0.0107    0.0145    0.0190    0.0240    0.0297
          0.0359    0.0428    0.0502    0.0582    0.0668
          0.0760    0.0858    0.0962    0.1072    0.1188
          0.1309    0.1437    0.1571    0.1710    0.1856
          0.2012    0.2183    0.2369    0.2570    0.2786
          0.3017    0.3263    0.3524    0.3800    0.4091
          0.4397    0.4719    0.5055    0.5406    0.5772
          0.6153    0.6544    0.6944    0.7354    0.7772
          0.8199    0.8636    0.9082    0.9536    1.0000
Hrad:
          0.0233    0.0465    0.0698    0.0931    0.1163
          0.1396    0.1628    0.1861    0.2094    0.2326
          0.2559    0.2792    0.3024    0.3257    0.3489
          0.3722    0.3955    0.4187    0.4420    0.4653
          0.4885    0.5118    0.5350    0.5583    0.5816
          0.6036    0.6224    0.6386    0.6529    0.6657
          0.6773    0.6882    0.6985    0.7084    0.7180
          0.7275    0.7370    0.7464    0.7559    0.7655
          0.7817    0.8084    0.8343    0.8597    0.8844
          0.9085    0.9321    0.9552    0.9779    1.0000
Width:
          0.0127    0.0254    0.0380    0.0507    0.0634
          0.0761    0.0888    0.1014    0.1141    0.1268
          0.1395    0.1522    0.1648    0.1775    0.1902
          0.2029    0.2156    0.2283    0.2409    0.2536
          0.2663    0.2790    0.2917    0.3043    0.3170
          0.3491    0.3812    0.4132    0.4453    0.4774
          0.5095    0.5415    0.5736    0.6057    0.6378
          0.6698    0.7019    0.7340    0.7661    0.7981
          0.8255    0.8448    0.8642    0.8836    0.9030
          0.9224    0.9418    0.9612    0.9806    1.0000

Transect ROW_16.5m_PH3
Area:
          0.0004    0.0017    0.0039    0.0069    0.0107
          0.0154    0.0210    0.0275    0.0347    0.0429
          0.0519    0.0618    0.0725    0.0841    0.0965
          0.1098    0.1240    0.1390    0.1548    0.1716
          0.1892    0.2076    0.2269    0.2471    0.2677
          0.2884    0.3090    0.3297    0.3510    0.3731
          0.3962    0.4201    0.4449    0.4705    0.4971
          0.5245    0.5527    0.5819    0.6119    0.6428
          0.6746    0.7073    0.7408    0.7752    0.8105
          0.8466    0.8837    0.9216    0.9603    1.0000
Hrad:
          0.0173    0.0347    0.0520    0.0694    0.0867
          0.1041    0.1214    0.1388    0.1561    0.1735
          0.1908    0.2082    0.2255    0.2429    0.2602
          0.2776    0.2949    0.3123    0.3296    0.3470
          0.3643    0.3817    0.3990    0.4164    0.4493
          0.4834    0.5173    0.5513    0.5844    0.6155
          0.6449    0.6727    0.6990    0.7239    0.7475
          0.7699    0.7913    0.8116    0.8310    0.8496
          0.8673    0.8843    0.9007    0.9164    0.9316
          0.9462    0.9603    0.9739    0.9872    1.0000
Width:
          0.0214    0.0428    0.0642    0.0856    0.1070
          0.1284    0.1498    0.1712    0.1926    0.2140
          0.2354    0.2568    0.2782    0.2996    0.3210
          0.3424    0.3638    0.3852    0.4066    0.4280
          0.4494    0.4708    0.4922    0.5136    0.5152
          0.5152    0.5152    0.5200    0.5418    0.5636
          0.5855    0.6073    0.6291    0.6509    0.6727
          0.6945    0.7164    0.7382    0.7600    0.7818
          0.8036    0.8255    0.8473    0.8691    0.8909
          0.9127    0.9345    0.9564    0.9782    1.0000

Transect ROW_18m
Area:
          0.0004    0.0016    0.0036    0.0064    0.0100
          0.0144    0.0196    0.0255    0.0323    0.0399
          0.0483    0.0575    0.0675    0.0782    0.0898
          0.1022    0.1154    0.1293    0.1441    0.1597
          0.1760    0.1932    0.2112    0.2299    0.2495
          0.2698    0.2906    0.3114    0.3321    0.3529
          0.3742    0.3967    0.4204    0.4452    0.4712
          0.4983    0.5266    0.5560    0.5867    0.6184
          0.6514    0.6855    0.7207    0.7571    0.7947
          0.8335    0.8734    0.9144    0.9566    1.0000
Hrad:
          0.0183    0.0366    0.0549    0.0732    0.0915
          0.1098    0.1281    0.1464    0.1647    0.1829
          0.2012    0.2195    0.2378    0.2561    0.2744
          0.2927    0.3110    0.3293    0.3476    0.3659
          0.3842    0.4025    0.4208    0.4391    0.4574
          0.4757    0.5117    0.5476    0.5834    0.6192
          0.6542    0.6864    0.7162    0.7437    0.7692
          0.7927    0.8145    0.8348    0.8537    0.8713
          0.8877    0.9031    0.9176    0.9313    0.9442
          0.9565    0.9681    0.9792    0.9898    1.0000
Width:
          0.0182    0.0363    0.0545    0.0726    0.0908
          0.1090    0.1271    0.1453    0.1635    0.1816
          0.1998    0.2179    0.2361    0.2543    0.2724
          0.2906    0.3088    0.3269    0.3451    0.3632
          0.3814    0.3996    0.4177    0.4359    0.4541
          0.4722    0.4722    0.4722    0.4722    0.4722
          0.4986    0.5250    0.5514    0.5778    0.6042
          0.6306    0.6569    0.6833    0.7097    0.7361
          0.7625    0.7889    0.8153    0.8417    0.8681
          0.8944    0.9208    0.9472    0.9736    1.0000

Transect ROW_18m_MB_1
Area:
          0.0003    0.0013    0.0030    0.0054    0.0084
          0.0121    0.0165    0.0215    0.0272    0.0336
          0.0406    0.0484    0.0568    0.0658    0.0756
          0.0861    0.0978    0.1107    0.1247    0.1400
          0.1564    0.1740    0.1928    0.2128    0.2340
          0.2564    0.2798    0.3039    0.3285    0.3536
          0.3793    0.4059    0.4335    0.4621    0.4918
          0.5221    0.5529    0.5842    0.6160    0.6484
          0.6812    0.7146    0.7485    0.7828    0.8178
          0.8532    0.8891    0.9256    0.9625    1.0000
Hrad:
          0.0198    0.0396    0.0594    0.0793    0.0991
          0.1189    0.1387    0.1585    0.1783    0.1982
          0.2180    0.2378    0.2576    0.2774    0.2972
          0.3166    0.3340    0.3498    0.3646    0.3786
          0.3921    0.4053    0.4183    0.4311    0.4439
          0.4566    0.4770    0.5054    0.5332    0.5603
          0.5869    0.6122    0.6360    0.6586    0.6807
          0.7040    0.7271    0.7499    0.7723    0.7944
          0.8163    0.8378    0.8591    0.8800    0.9007
          0.9211    0.9412    0.9611    0.9807    1.0000
Width:
          0.0178    0.0356    0.0534    0.0712    0.0890
          0.1068    0.1246    0.1424    0.1602    0.1780
          0.1958    0.2136    0.2314    0.2492    0.2670
          0.2942    0.3256    0.3571    0.3885    0.4199
          0.4513    0.4827    0.5141    0.5455    0.5769
          0.6083    0.6314    0.6450    0.6586    0.6722
          0.6911    0.7183    0.7456    0.7728    0.7958
          0.8094    0.8231    0.8367    0.8503    0.8639
          0.8775    0.8911    0.9047    0.9183    0.9319
          0.9456    0.9592    0.9728    0.9864    1.0000

Transect ROW_18m_MB_2
Area:
          0.0003    0.0013    0.0030    0.0054    0.0084
          0.0121    0.0165    0.0215    0.0272    0.0336
          0.0406    0.0484    0.0568    0.0658    0.0756
          0.0861    0.0978    0.1107    0.1247    0.1400
          0.1564    0.1740    0.1928    0.2128    0.2340
          0.2564    0.2798    0.3039    0.3285    0.3536
          0.3793    0.4059    0.4335    0.4621    0.4918
          0.5221    0.5529    0.5842    0.6160    0.6484
          0.6812    0.7146    0.7485    0.7828    0.8178
          0.8532    0.8891    0.9256    0.9625    1.0000
Hrad:
          0.0198    0.0395    0.0593    0.0791    0.0989
          0.1186    0.1384    0.1582    0.1780    0.1977
          0.2175    0.2373    0.2571    0.2768    0.2966
          0.3160    0.3333    0.3491    0.3638    0.3778
          0.3913    0.4045    0.4174    0.4302    0.4430
          0.4557    0.4760    0.5044    0.5321    0.5592
          0.5857    0.6109    0.6347    0.6572    0.6793
          0.7027    0.7258    0.7486    0.7711    0.7933
          0.8152    0.8368    0.8581    0.8792    0.9000
          0.9205    0.9408    0.9608    0.9805    1.0000
Width:
          0.0178    0.0356    0.0534    0.0712    0.0890
          0.1068    0.1246    0.1424    0.1602    0.1780
          0.1958    0.2136    0.2314    0.2492    0.2670
          0.2942    0.3256    0.3571    0.3885    0.4199
          0.4513    0.4827    0.5141    0.5455    0.5769
          0.6083    0.6314    0.6450    0.6586    0.6722
          0.6911    0.7183    0.7456    0.7728    0.7958
          0.8094    0.8231    0.8367    0.8503    0.8639
          0.8775    0.8911    0.9047    0.9183    0.9319
          0.9456    0.9592    0.9728    0.9864    1.0000

Transect ROW_18m_Mountable
Area:
          0.0003    0.0011    0.0026    0.0046    0.0072
          0.0103    0.0140    0.0183    0.0232    0.0286
          0.0346    0.0412    0.0484    0.0561    0.0644
          0.0733    0.0827    0.0928    0.1034    0.1145
          0.1263    0.1386    0.1515    0.1650    0.1799
          0.1964    0.2143    0.2337    0.2546    0.2770
          0.3009    0.3263    0.3532    0.3816    0.4115
          0.4429    0.4758    0.5102    0.5459    0.5826
          0.6202    0.6587    0.6981    0.7385    0.7797
          0.8219    0.8651    0.9091    0.9541    1.0000
Hrad:
          0.0235    0.0471    0.0706    0.0942    0.1177
          0.1413    0.1648    0.1884    0.2119    0.2355
          0.2590    0.2826    0.3061    0.3297    0.3532
          0.3768    0.4003    0.4238    0.4474    0.4709
          0.4945    0.5180    0.5416    0.5650    0.5852
          0.6022    0.6168    0.6296    0.6410    0.6515
          0.6613    0.6707    0.6799    0.6889    0.6979
          0.7069    0.7161    0.7253    0.7478    0.7737
          0.7989    0.8234    0.8474    0.8707    0.8935
          0.9157    0.9375    0.9588    0.9796    1.0000
Width:
          0.0124    0.0247    0.0371    0.0494    0.0618
          0.0741    0.0865    0.0988    0.1112    0.1235
          0.1359    0.1482    0.1606    0.1729    0.1853
          0.1976    0.2100    0.2223    0.2347    0.2470
          0.2594    0.2717    0.2841    0.3058    0.3381
          0.3704    0.4027    0.4349    0.4672    0.4995
          0.5318    0.5641    0.5964    0.6287    0.6610
          0.6933    0.7255    0.7578    0.7807    0.8006
          0.8206    0.8405    0.8604    0.8804    0.9003
          0.9202    0.9402    0.9601    0.9801    1.0000

Transect ROW_18m_PH3
Area:
          0.0004    0.0017    0.0038    0.0068    0.0107
          0.0154    0.0209    0.0273    0.0346    0.0427
          0.0516    0.0614    0.0721    0.0836    0.0960
          0.1092    0.1233    0.1382    0.1540    0.1707
          0.1882    0.2065    0.2256    0.2447    0.2638
          0.2830    0.3026    0.3232    0.3447    0.3670
          0.3903    0.4144    0.4394    0.4653    0.4921
          0.5197    0.5483    0.5777    0.6080    0.6392
          0.6713    0.7043    0.7382    0.7729    0.8085
          0.8451    0.8825    0.9208    0.9599    1.0000
Hrad:
          0.0179    0.0359    0.0538    0.0717    0.0896
          0.1076    0.1255    0.1434    0.1613    0.1793
          0.1972    0.2151    0.2330    0.2510    0.2689
          0.2868    0.3047    0.3227    0.3406    0.3585
          0.3764    0.3944    0.4225    0.4577    0.4928
          0.5279    0.5621    0.5942    0.6243    0.6525
          0.6791    0.7042    0.7279    0.7504    0.7716
          0.7918    0.8110    0.8292    0.8467    0.8634
          0.8794    0.8948    0.9095    0.9238    0.9375
          0.9508    0.9636    0.9761    0.9882    1.0000
Width:
          0.0211    0.0421    0.0632    0.0843    0.1053
          0.1264    0.1475    0.1685    0.1896    0.2107
          0.2318    0.2528    0.2739    0.2950    0.3160
          0.3371    0.3582    0.3792    0.4003    0.4214
          0.4424    0.4635    0.4722    0.4722    0.4722
          0.4752    0.4971    0.5190    0.5408    0.5627
          0.5846    0.6064    0.6283    0.6502    0.6720
          0.6939    0.7156    0.7376    0.7595    0.7813
          0.8032    0.8251    0.8469    0.8688    0.8907
          0.9125    0.9344    0.9563    0.9781    1.0000

Transect ROW_20m
Area:
          0.0004    0.0016    0.0036    0.0063    0.0099
          0.0142    0.0193    0.0253    0.0320    0.0395
          0.0478    0.0568    0.0667    0.0774    0.0888
          0.1011    0.1141    0.1279    0.1425    0.1579
          0.1741    0.1911    0.2088    0.2274    0.2464
          0.2654    0.2844    0.3034    0.3226    0.3431
          0.3646    0.3874    0.4114    0.4365    0.4629
          0.4904    0.5191    0.5490    0.5801    0.6123
          0.6458    0.6804    0.7162    0.7532    0.7914
          0.8307    0.8713    0.9130    0.9559    1.0000
Hrad:
          0.0190    0.0380    0.0570    0.0760    0.0950
          0.1141    0.1331    0.1521    0.1711    0.1901
          0.2091    0.2281    0.2471    0.2661    0.2851
          0.3041    0.3231    0.3422    0.3612    0.3802
          0.3992    0.4182    0.4372    0.4562    0.4926
          0.5299    0.5672    0.6043    0.6411    0.6750
          0.7060    0.7344    0.7603    0.7841    0.8059
          0.8259    0.8444    0.8615    0.8773    0.8920
          0.9057    0.9186    0.9307    0.9421    0.9529
          0.9632    0.9730    0.9823    0.9913    1.0000
Width:
          0.0177    0.0353    0.0530    0.0707    0.0883
          0.1060    0.1237    0.1413    0.1590    0.1767
```

0.1943	0.2120	0.2297	0.2473	0.2650
0.2827	0.3003	0.3180	0.3357	0.3533
0.3710	0.3887	0.4063	0.4240	0.4250
0.4250	0.4250	0.4250	0.4435	0.4700
0.4965	0.5230	0.5495	0.5760	0.6025
0.6290	0.6555	0.6820	0.7085	0.7350
0.7615	0.7880	0.8145	0.8410	0.8675
0.8940	0.9205	0.9470	0.9735	1.0000

Transect ROW_22m
Area:

0.0003	0.0014	0.0031	0.0055	0.0086
0.0124	0.0169	0.0221	0.0280	0.0346
0.0418	0.0498	0.0584	0.0678	0.0778
0.0885	0.0999	0.1120	0.1248	0.1383
0.1525	0.1674	0.1829	0.1992	0.2161
0.2337	0.2521	0.2711	0.2908	0.3119
0.3348	0.3594	0.3857	0.4133	0.4420
0.4717	0.5025	0.5343	0.5673	0.6013
0.6363	0.6725	0.7097	0.7479	0.7873
0.8277	0.8692	0.9117	0.9553	1.0000

Hrad:

0.0200	0.0399	0.0599	0.0798	0.0998
0.1198	0.1397	0.1597	0.1796	0.1996
0.2196	0.2395	0.2595	0.2794	0.2994
0.3194	0.3393	0.3593	0.3792	0.3992
0.4192	0.4391	0.4591	0.4790	0.4990
0.5190	0.5389	0.5589	0.5789	0.5976
0.6138	0.6280	0.6465	0.6764	0.7046
0.7312	0.7565	0.7804	0.8033	0.8250
0.8458	0.8656	0.8847	0.9030	0.9206
0.9376	0.9539	0.9698	0.9851	1.0000

Width:

0.0153	0.0306	0.0459	0.0612	0.0765
0.0918	0.1071	0.1224	0.1376	0.1529
0.1682	0.1835	0.1988	0.2141	0.2294
0.2447	0.2600	0.2753	0.2906	0.3059
0.3212	0.3365	0.3518	0.3671	0.3824
0.3976	0.4129	0.4282	0.4472	0.4861
0.5250	0.5640	0.5982	0.6218	0.6455
0.6691	0.6927	0.7164	0.7400	0.7636
0.7873	0.8109	0.8345	0.8582	0.8818
0.9055	0.9291	0.9527	0.9764	1.0000

Transect ROW_24m
Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0155	0.0211	0.0275	0.0348	0.0430
0.0520	0.0619	0.0726	0.0843	0.0967
0.1100	0.1234	0.1369	0.1503	0.1637
0.1772	0.1906	0.2040	0.2176	0.2324
0.2484	0.2655	0.2840	0.3036	0.3245
0.3466	0.3699	0.3945	0.4203	0.4473
0.4756	0.5050	0.5357	0.5677	0.6008
0.6352	0.6708	0.7077	0.7458	0.7851
0.8256	0.8674	0.9103	0.9546	1.0000

Hrad:

0.0217	0.0434	0.0652	0.0869	0.1086
0.1303	0.1520	0.1737	0.1955	0.2172
0.2389	0.2606	0.2823	0.3041	0.3258
0.3554	0.3581	0.4407	0.4831	0.5253
0.5674	0.6094	0.6512	0.6926	0.7297
0.7620	0.7900	0.8143	0.8353	0.8535
0.8693	0.8830	0.8951	0.9057	0.9151
0.9235	0.9311	0.9381	0.9445	0.9505
0.9561	0.9614	0.9666	0.9716	0.9764
0.9812	0.9859	0.9906	0.9953	1.0000

Width:

0.0187	0.0373	0.0560	0.0747	0.0933
0.1120	0.1307	0.1493	0.1680	0.1867
0.2053	0.2240	0.2427	0.2613	0.2800
0.2917	0.2917	0.2917	0.2917	0.2917
0.2917	0.2917	0.2917	0.3067	0.3333
0.3600	0.3867	0.4133	0.4400	0.4667
0.4933	0.5200	0.5467	0.5733	0.6000
0.6267	0.6533	0.6800	0.7067	0.7333
0.7600	0.7867	0.8133	0.8400	0.8667
0.8933	0.9200	0.9467	0.9733	1.0000

Transect ROW_24m_1
Area:

0.0002	0.0009	0.0020	0.0036	0.0057
0.0081	0.0111	0.0145	0.0183	0.0227
0.0279	0.0340	0.0410	0.0489	0.0577
0.0675	0.0781	0.0897	0.1021	0.1158
0.1311	0.1479	0.1664	0.1857	0.2058
0.2265	0.2480	0.2700	0.2929	0.3171
0.3426	0.3694	0.3976	0.4272	0.4579
0.4893	0.5214	0.5541	0.5875	0.6216
0.6564	0.6919	0.7280	0.7648	0.8023
0.8405	0.8794	0.9189	0.9591	1.0000

Hrad:

0.0217	0.0433	0.0650	0.0866	0.1083
0.1299	0.1516	0.1732	0.1949	0.2158
0.2334	0.2493	0.2650	0.2808	0.2970
0.3137	0.3309	0.3485	0.3666	0.3838
0.3990	0.4128	0.4110	0.4455	0.4784
0.5099	0.5402	0.5694	0.5973	0.6230
0.6462	0.6674	0.6867	0.7046	0.7237
0.7433	0.7628	0.7822	0.8014	0.8205
0.8393	0.8580	0.8765	0.8948	0.9128
0.9307	0.9483	0.9657	0.9830	1.0000

Width:

0.0110	0.0219	0.0329	0.0439	0.0549
0.0658	0.0768	0.0878	0.0987	0.1153
0.1372	0.1592	0.1811	0.2031	0.2250
0.2469	0.2689	0.2908	0.3130	0.3514
0.3898	0.4282	0.4619	0.4783	0.4948
0.5112	0.5277	0.5442	0.5692	0.6021
0.6350	0.6679	0.7008	0.7337	0.7531
0.7696	0.7860	0.8025	0.8190	0.8354
0.8519	0.8683	0.8848	0.9013	0.9177
0.9342	0.9506	0.9671	0.9835	1.0000

Transect ROW_24m_Parking
Area:

0.0004	0.0014	0.0032	0.0056	0.0088
0.0126	0.0172	0.0225	0.0285	0.0351
0.0425	0.0506	0.0594	0.0689	0.0790
0.0899	0.1015	0.1138	0.1268	0.1410
0.1566	0.1735	0.1918	0.2107	0.2304
0.2507	0.2716	0.2933	0.3156	0.3391
0.3638	0.3900	0.4174	0.4462	0.4758
0.5061	0.5371	0.5687	0.6010	0.6339
0.6675	0.7018	0.7367	0.7724	0.8086
0.8456	0.8832	0.9215	0.9604	1.0000

Hrad:

0.0204	0.0408	0.0612	0.0816	0.1020
0.1224	0.1428	0.1632	0.1836	0.2040
0.2244	0.2448	0.2652	0.2856	0.3060
0.3264	0.3469	0.3673	0.3877	0.4065
0.4232	0.4385	0.4621	0.4937	0.5239
0.5528	0.5805	0.6070	0.6326	0.6563
0.6776	0.6968	0.7143	0.7308	0.7488
0.7668	0.7846	0.8023	0.8198	0.8372
0.8543	0.8713	0.8880	0.9046	0.9210
0.9372	0.9532	0.9690	0.9846	1.0000

Width:

0.0176	0.0352	0.0528	0.0704	0.0880
0.1056	0.1231	0.1407	0.1583	0.1759
0.1935	0.2111	0.2287	0.2463	0.2639
0.2815	0.2991	0.3167	0.3384	0.3727
0.4069	0.4412	0.4667	0.4833	0.5000
0.5167	0.5333	0.5500	0.5708	0.6042
0.6375	0.6708	0.7042	0.7333	0.7500
0.7667	0.7833	0.8000	0.8167	0.8333
0.8500	0.8667	0.8833	0.9000	0.9167
0.9333	0.9500	0.9667	0.9833	1.0000

Transect ROW_26m
Area:

0.0003	0.0013	0.0030	0.0053	0.0083
0.0120	0.0164	0.0214	0.0270	0.0334
0.0404	0.0481	0.0564	0.0654	0.0751
0.0854	0.0964	0.1081	0.1205	0.1335
0.1472	0.1615	0.1765	0.1922	0.2086
0.2261	0.2453	0.2663	0.2888	0.3123
0.3369	0.3625	0.3892	0.4168	0.4456
0.4753	0.5061	0.5379	0.5707	0.6046
0.6395	0.6754	0.7124	0.7504	0.7894
0.8295	0.8705	0.9127	0.9558	1.0000

Hrad:

0.0209	0.0418	0.0627	0.0836	0.1045
0.1254	0.1463	0.1672	0.1880	0.2089
0.2298	0.2507	0.2716	0.2925	0.3134
0.3343	0.3552	0.3761	0.3970	0.4179
0.4388	0.4597	0.4806	0.5015	0.5223
0.5421	0.5589	0.5735	0.5992	0.6295
0.6579	0.6846	0.7097	0.7334	0.7558
0.7771	0.7974	0.8167	0.8352	0.8529
0.8699	0.8863	0.9021	0.9173	0.9321
0.9464	0.9604	0.9739	0.9871	1.0000

Width:

0.0149	0.0299	0.0448	0.0597	0.0747
0.0896	0.1045	0.1195	0.1344	0.1493
0.1643	0.1792	0.1941	0.2090	0.2240
0.2389	0.2538	0.2688	0.2837	0.2986
0.3136	0.3285	0.3434	0.3584	0.3733
0.4113	0.4493	0.4873	0.5154	0.5385
0.5615	0.5846	0.6077	0.6308	0.6538
0.6769	0.7000	0.7231	0.7462	0.7692
0.7923	0.8154	0.8385	0.8615	0.8846
0.9077	0.9308	0.9538	0.9769	1.0000

Transect Upstream1
Area:

0.0025	0.0106	0.0203	0.0306	0.0413
0.0526	0.0643	0.0765	0.0889	0.1016
0.1146	0.1277	0.1411	0.1547	0.1685
0.1826	0.1968	0.2113	0.2260	0.2410
0.2562	0.2716	0.2875	0.3036	0.3201
0.3370	0.3541	0.3718	0.3916	0.4132
0.4352	0.4574	0.4798	0.5024	0.5256
0.5499	0.5749	0.6004	0.6263	0.6529
0.6803	0.7086	0.7388	0.7719	0.8061
0.8411	0.8773	0.9158	0.9566	1.0000

Hrad:

0.0236	0.0542	0.0978	0.1394	0.1791
0.2172	0.2558	0.2953	0.3343	0.3743
0.4135	0.4519	0.4897	0.5268	0.5632
0.5991	0.6344	0.6691	0.7034	0.7372
0.7686	0.7966	0.8243	0.8517	0.8789
0.9059	0.9326	0.9395	0.8868	0.8707
0.9044	0.9376	0.9705	1.0029	1.0032
1.0093	1.0327	1.0560	1.0792	1.0918
1.1023	1.1020	1.0403	1.0362	1.0565
1.0711	1.0710	1.0500	1.0287	1.0000

Width:

0.1112	0.2068	0.2183	0.2299	0.2414
0.2530	0.2625	0.2696	0.2763	0.2812
0.2861	0.2910	0.2959	0.3008	0.3057
0.3106	0.3155	0.3204	0.3253	0.3301
0.3360	0.3434	0.3508	0.3582	0.3656
0.3731	0.3815	0.3971	0.4616	0.4787
0.4839	0.4890	0.4941	0.4992	0.5218
0.5423	0.5531	0.5639	0.5747	0.5916
0.6102	0.6359	0.7052	0.7403	0.7577
0.7795	0.8137	0.8682	0.9276	1.0000

Transect Upstream2
Area:

0.0010	0.0033	0.0061	0.0095	0.0135
0.0180	0.0231	0.0287	0.0349	0.0417
0.0491	0.0571	0.0658	0.0753	0.0857
0.0969	0.1089	0.1216	0.1350	0.1491
0.1643	0.1807	0.1983	0.2174	0.2378
0.2598	0.2837	0.3085	0.3337	0.3593
0.3851	0.4112	0.4375	0.4641	0.4910
0.5185	0.5468	0.5756	0.6049	0.6346
0.6647	0.6958	0.7278	0.7609	0.7954
0.8324	0.8717	0.9124	0.9551	1.0000

Hrad:

0.0245	0.0622	0.0947	0.1245	0.1527
0.1802	0.2071	0.2329	0.2579	0.2827
0.3074	0.3275	0.3469	0.3639	0.3812
0.4022	0.4237	0.4479	0.4730	0.4917
0.5021	0.5129	0.5218	0.5312	0.5437
0.5471	0.5612	0.5918	0.6316	0.6711
0.7100	0.7484	0.7864	0.8238	0.8538
0.8769	0.9017	0.9331	0.9642	0.9950
1.0193	1.0315	1.0445	1.0569	1.0476
1.0094	1.0241	1.0243	1.0266	1.0000

Width:

0.0422	0.0543	0.0664	0.0785	0.0905
0.1024	0.1141	0.1261	0.1385	0.1508
0.1631	0.1781	0.1939	0.2117	0.2302
0.2467	0.2633	0.2781	0.2924	0.3107
0.3356	0.3615	0.3904	0.4208	0.4502
0.4893	0.5205	0.5353	0.5411	0.5466
0.5522	0.5577	0.5632	0.5687	0.5793
0.5947	0.6089	0.6182	0.6274	0.6366
0.6500	0.6718	0.6936	0.7162	0.7558
0.8227	0.8489	0.8887	0.9286	1.0000

Transect Upstream3
Area:

0.0006	0.0023	0.0050	0.0083	0.0121
0.0165	0.0214	0.0269	0.0329	0.0397
0.0479	0.0574	0.0681	0.0800	0.0928
0.1066	0.1213	0.1370	0.1537	0.1724
0.1916	0.2133	0.2310	0.2512	0.2719
0.2933	0.3154	0.3379	0.3607	0.3838
0.4072	0.4308	0.4548	0.4792	0.5043
0.5302	0.5566	0.5834	0.6106	0.6382
0.6665	0.6955	0.7273	0.7625	0.7988
0.8362	0.8744	0.9141	0.9558	1.0000

Hrad:

0.0253	0.0506	0.0845	0.1172	0.1476
0.1766	0.2047	0.2322	0.2591	0.2672
0.2667	0.2864	0.3020	0.3243	0.3504
0.3762	0.4018	0.4273	0.4351	0.4545
0.4946	0.5339	0.5724	0.6101	0.6377
0.6626	0.6916	0.7293	0.7664	0.8029
0.8390	0.8745	0.9096	0.9307	0.9485
0.9716	1.0018	1.0317	1.0613	1.0906
1.1167	1.1229	1.0191	1.0199	1.0379
1.0594	1.0820	1.0709	1.0785	1.0000

Width:

0.0239	0.0478	0.0617	0.0733	0.0849
0.0965	0.1081	0.1196	0.1312	0.1535
0.1863	0.2081	0.2344	0.2566	0.2757
0.2950	0.3144	0.3339	0.3682	0.3946
0.4014	0.4082	0.4149	0.4217	0.4354
0.4510	0.4634	0.4693	0.4752	0.4811
0.4870	0.4929	0.4988	0.5128	0.5290
0.5420	0.5507	0.5594	0.5681	0.5768
0.5931	0.6096	0.7080	0.7423	0.7640
0.7831	0.8014	0.8479	0.8809	1.0000

Transect Upstream4
Area:

0.0018	0.0046	0.0083	0.0128	0.0180
0.0238	0.0302	0.0371	0.0448	0.0547
0.0662	0.0782	0.0907	0.1038	0.1174
0.1319	0.1472	0.1638	0.1825	0.2018
0.2212	0.2408	0.2608	0.2810	0.3017
0.3227	0.3453	0.3685	0.3919	0.4155
0.4393	0.4633	0.4875	0.5118	0.5364

0.5615	0.5871	0.6133	0.6408	0.6690
0.6977	0.7269	0.7568	0.7876	0.8192
0.8516	0.8851	0.9205	0.9583	1.0000

Hrad:

0.0356	0.0671	0.0952	0.1219	0.1526
0.1825	0.2111	0.2388	0.2457	0.2281
0.2626	0.2959	0.3290	0.3614	0.3872
0.4105	0.4302	0.4402	0.4405	0.4805
0.5198	0.5573	0.5905	0.6232	0.6553
0.6869	0.6742	0.7110	0.7474	0.7833
0.8187	0.8537	0.8883	0.9224	0.9509
0.9733	0.9956	1.0049	1.0036	1.0287
1.0536	1.0784	1.0896	1.1008	1.1169
1.1330	1.1274	1.1025	1.0707	1.0000

Width:

0.0541	0.0732	0.0923	0.1110	0.1246
0.1374	0.1502	0.1630	0.1916	0.2527
0.2652	0.2777	0.2895	0.3012	0.3179
0.3368	0.3586	0.3902	0.4339	0.4377
0.4416	0.4466	0.4547	0.4628	0.4709
0.4791	0.5224	0.5268	0.5312	0.5356
0.5400	0.5444	0.5488	0.5532	0.5611
0.5729	0.5847	0.6049	0.6332	0.6440
0.6548	0.6656	0.6857	0.7062	0.7236
0.7412	0.7753	0.8268	0.8894	1.0000

Transect Upstream5

Area:

0.0012	0.0039	0.0075	0.0122	0.0185
0.0256	0.0332	0.0413	0.0500	0.0592
0.0689	0.0792	0.0900	0.1012	0.1130
0.1251	0.1375	0.1502	0.1632	0.1765
0.1902	0.2041	0.2184	0.2330	0.2480
0.2635	0.2798	0.2968	0.3145	0.3331
0.3525	0.3727	0.3942	0.4178	0.4431
0.4698	0.4988	0.5309	0.5639	0.5984
0.6349	0.6722	0.7101	0.7485	0.7872
0.8265	0.8666	0.9084	0.9530	1.0000

Hrad:

0.0281	0.0626	0.0927	0.1114	0.1369
0.1752	0.2115	0.2463	0.2799	0.3124
0.3424	0.3749	0.4068	0.4379	0.4694
0.5056	0.5411	0.5759	0.6102	0.6439
0.6771	0.7099	0.7421	0.7699	0.7956
0.8104	0.8232	0.8370	0.8495	0.8616
0.8746	0.8886	0.8484	0.8428	0.8418
0.8355	0.8068	0.8176	0.8309	0.8203
0.8497	0.8801	0.9176	0.9547	0.9913
1.0230	1.0475	1.0267	1.0168	1.0000

Width:

0.0449	0.0640	0.0831	0.1124	0.1386
0.1495	0.1603	0.1712	0.1820	0.1929
0.2048	0.2146	0.2243	0.2341	0.2433
0.2526	0.2559	0.2622	0.2684	0.2747
0.2810	0.2873	0.2936	0.3016	0.3105
0.3241	0.3390	0.3539	0.3698	0.3865
0.4032	0.4199	0.4663	0.4984	0.5298
0.5663	0.6178	0.6645	0.6844	0.7354
0.7522	0.7679	0.7768	0.7857	0.7946
0.8074	0.8259	0.8838	0.9366	1.0000

Transect Upstream6

Area:

0.0020	0.0057	0.0101	0.0154	0.0216
0.0285	0.0362	0.0446	0.0534	0.0628
0.0726	0.0829	0.0939	0.1054	0.1174
0.1299	0.1429	0.1564	0.1705	0.1850
0.2000	0.2153	0.2310	0.2472	0.2637
0.2808	0.2986	0.3172	0.3364	0.3564
0.3786	0.4016	0.4255	0.4503	0.4760
0.5026	0.5304	0.5593	0.5897	0.6214
0.6541	0.6875	0.7215	0.7561	0.7915
0.8280	0.8671	0.9077	0.9506	1.0000

Hrad:

0.0333	0.0728	0.1080	0.1404	0.1714
0.2022	0.2321	0.2687	0.3047	0.3396
0.3717	0.4020	0.4318	0.4612	0.4948
0.5246	0.5534	0.5820	0.6106	0.6442
0.6773	0.7100	0.7423	0.7742	0.8057
0.8224	0.8398	0.8578	0.8777	0.8995
0.8582	0.8792	0.8979	0.9152	0.9365
0.9490	0.9612	0.9727	0.9697	0.9916
1.0145	1.0496	1.0816	1.1092	1.1367
1.1540	1.1196	1.1309	1.0883	1.0000

Width:

0.0616	0.0785	0.0947	0.1108	0.1267
0.1418	0.1569	0.1666	0.1758	0.1850
0.1952	0.2062	0.2171	0.2280	0.2365
0.2466	0.2570	0.2674	0.2776	0.2853
0.2930	0.3007	0.3084	0.3161	0.3238
0.3379	0.3520	0.3661	0.3797	0.4163
0.4379	0.4535	0.4707	0.4888	0.5050
0.5264	0.5485	0.5718	0.6051	0.6237
0.6417	0.6518	0.6637	0.6783	0.6930
0.7329	0.7718	0.8002	0.8718	1.0000

```
***************
Analysis Options
***************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 08/04/1988 00:00:00
Ending Date .............. 08/05/1988 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:01:00
Dry Time Step ............ 00:01:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 18
Head Tolerance ........... 0.001500 m
```

Runoff Quantity Continuity	Volume hectare-m	Depth mm
Total Precipitation	6.731	80.592
Evaporation Loss	0.000	0.000
Infiltration Loss	2.323	27.815
Surface Runoff	4.326	51.787
Final Storage	0.093	1.108
Continuity Error (%)	-0.147	

Flow Routing Continuity	Volume hectare-m	Volume 10^6 ltr
Dry Weather Inflow	0.000	0.000
Wet Weather Inflow	4.326	43.256
Groundwater Inflow	0.000	0.000
RDII Inflow	0.000	0.000
External Inflow	0.000	0.000
External Outflow	3.250	32.500
Flooding Loss	0.000	0.000
Evaporation Loss	0.000	0.000
Exfiltration Loss	0.110	1.100
Initial Stored Volume	0.000	0.000
Final Stored Volume	0.965	9.654
Continuity Error (%)	0.002	

```
*************************
Highest Continuity Errors
*************************
Node J23 (44.58%)
Node J67 (9.19%)
Node J36 (8.36%)
Node J22 (8.32%)
Node 644_(C-STRM) (-3.96%)


***************************
Time-Step Critical Elements
***************************
None


*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-83_(C-STRM) (15)
Link OL16 (11)
Link OL15 (10)
Link C-STRM-71_(C-STRM) (9)
Link OL2 (9)


*********************************
Most Frequent Nonconverging Nodes
*********************************
Node OF1 (0.01%)
Node OF2 (0.01%)
Node OF3 (0.01%)
Node ST4_108A_(P-Stm) (0.01%)
Node 507_(C-STRM) (0.00%)


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.14 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.01
Time Step Frequencies       :
     1.000 -  0.871 sec     :    99.66 %
     0.871 -  0.758 sec     :     0.06 %
     0.758 -  0.660 sec     :     0.06 %
     0.660 -  0.574 sec     :     0.06 %
     0.574 -  0.500 sec     :     0.18 %


***************************
Subcatchment Runoff Summary
***************************
```

Subcatchment	Total Runoff mm	Total Runoff 10^6 ltr	Peak Runoff CMS	Total Precip mm	Total Runon mm	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm
A15_1	23.83	0.31	0.09	80.59	0.00	0.00	54.92	15.00	8.83
A15_2	22.03	0.47	0.12	80.59	0.00	0.00	54.92	14.99	7.04
A18	47.27	0.28	0.20	80.59	0.00	0.00	32.87	31.06	16.21
A19	35.47	0.39	0.27	80.59	0.00	0.00	44.86	17.72	17.76
A20	16.52	0.80	0.23	80.59	0.00	0.00	62.82	6.64	9.88
NULL3	71.25	0.40	0.24	80.59	0.00	0.00	8.32	66.12	5.13
S1	54.63	3.56	2.29	80.59	0.00	0.00	25.14	50.96	39.34
S1_1	63.28	0.06	0.04	80.59	0.00	0.00	16.70	56.88	17.78
S1_2	63.06	0.09	0.06	80.59	0.00	0.00	16.83	56.81	17.61
S10_1	54.63	1.01	0.65	80.59	0.00	0.00	25.14	50.96	39.34
S10_2	54.63	1.16	0.75	80.59	0.00	0.00	25.14	50.96	39.34
S10_4	54.63	0.40	0.26	80.59	0.00	0.00	25.14	50.96	39.34
S10_5	54.63	0.69	0.44	80.59	0.00	0.00	25.14	50.96	39.34
S11	18.73	0.62	0.38	80.59	0.00	0.00	61.86	0.00	18.73
S12	62.90	0.27	0.18	80.59	0.00	0.00	16.95	56.77	17.48
S14_1	62.73	0.38	0.25	80.59	0.00	0.00	17.06	56.73	17.34
S14_3	62.33	0.66	0.43	80.59	0.00	0.00	17.38	56.66	17.00
S14_4	62.51	0.19	0.13	80.59	0.00	0.00	17.23	56.69	17.16
S14_5	62.39	1.05	0.68	80.59	0.00	0.00	17.33	56.67	17.05
S14_6	62.60	0.17	0.11	80.59	0.00	0.00	17.17	56.71	17.23
S14_7	62.53	0.75	0.49	80.59	0.00	0.00	17.22	56.70	17.17
S14_8	62.51	0.27	0.17	80.59	0.00	0.00	17.24	56.69	17.15
S15	54.63	0.89	0.58	80.59	0.00	0.00	25.14	50.96	39.34
S16_1	79.01	0.37	0.14	80.59	0.00	0.00	0.00	79.01	0.00
S16_2	78.93	0.78	0.24	80.59	0.00	0.00	0.00	78.93	0.00
S17	10.03	0.63	0.19	80.59	0.00	0.00	70.52	2.64	10.03
S18_2	56.28	1.89	1.20	80.59	0.00	0.00	23.46	53.22	40.31
S18_3	56.28	0.93	0.59	80.59	0.00	0.00	23.46	53.22	40.31
S18_4	56.28	0.49	0.31	80.59	0.00	0.00	23.46	53.22	40.31
S18_5	56.28	1.03	0.66	80.59	0.00	0.00	23.46	53.22	40.31
S18_6	56.28	0.47	0.30	80.59	0.00	0.00	23.46	53.22	40.31
S19	62.55	0.61	0.40	80.59	0.00	0.00	17.20	56.70	17.19
S2	62.45	0.23	0.15	80.59	0.00	0.00	17.29	56.68	17.10
S2_1	56.28	1.77	1.12	80.59	0.00	0.00	23.46	53.22	40.31
S2_2	56.28	0.57	0.36	80.59	0.00	0.00	23.46	53.22	40.31
S20_1	62.75	0.28	0.19	80.59	0.00	0.00	17.05	56.74	17.36
S20_2	62.69	0.15	0.10	80.59	0.00	0.00	17.09	56.73	17.31
S3	54.63	1.16	0.74	80.59	0.00	0.00	25.14	50.96	39.34
S32_1	62.95	0.27	0.18	80.59	0.00	0.00	16.91	56.78	17.52

S32_2			80.59	0.00	0.00	25.14	50.96	39.34
54.63	0.09	0.06	0.678					
S36			80.59	0.00	0.00	0.00	78.85	0.00
78.85	1.43	0.40	0.978					
S4			80.59	0.00	0.00	8.54	67.73	2.98
70.71	9.34	3.84	0.877					
S5			80.59	0.00	0.00	7.92	67.78	3.60
71.38	2.28	1.13	0.886					
S6			80.59	0.00	0.00	23.85	45.44	19.81
56.16	0.19	0.14	0.697					
S7			80.59	0.00	0.00	7.86	67.79	3.65
71.44	2.85	1.43	0.886					
S8			80.59	0.00	0.00	45.38	28.29	34.73
34.73	0.55	0.31	0.431					

****
Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.16	104.55	0 02:05	0.16
EXD_10	JUNCTION	0.06	0.40	99.06	0 02:07	0.40
EXD_11	JUNCTION	0.05	0.30	98.79	0 02:07	0.30
EXD_12	JUNCTION	0.06	0.43	98.74	0 02:07	0.43
EXD_13	JUNCTION	0.01	0.17	104.49	0 02:07	0.17
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.06	0.46	100.73	0 02:05	0.46
EXD_16	JUNCTION	0.03	0.20	100.40	0 02:07	0.20
EXD_17	JUNCTION	0.04	0.18	100.07	0 02:09	0.18
EXD_18	JUNCTION	0.03	0.21	99.62	0 02:07	0.21
EXD_19	JUNCTION	0.06	0.41	99.60	0 02:09	0.41
EXD_2	JUNCTION	0.03	0.26	103.73	0 02:09	0.26
EXD_20	JUNCTION	0.06	0.41	99.60	0 02:09	0.41
EXD_21	JUNCTION	0.05	0.30	99.49	0 02:09	0.30
EXD_22	JUNCTION	0.03	0.20	99.34	0 02:11	0.20
EXD_23	JUNCTION	0.06	0.30	99.05	0 02:14	0.30
EXD_24	JUNCTION	0.03	0.27	98.94	0 02:06	0.27
EXD_25	JUNCTION	0.06	0.41	98.94	0 02:07	0.41
EXD_26	JUNCTION	0.03	0.20	98.69	0 02:07	0.20
EXD_27	JUNCTION	0.06	0.37	98.54	0 02:05	0.37
EXD_3	JUNCTION	0.01	0.13	103.32	0 02:10	0.13
EXD_4	JUNCTION	0.01	0.13	102.71	0 02:11	0.13
EXD_5	JUNCTION	0.02	0.21	102.70	0 02:11	0.21
EXD_6	JUNCTION	0.01	0.13	102.45	0 02:12	0.13
EXD_7	JUNCTION	0.02	0.19	101.68	0 02:13	0.19
EXD_8	JUNCTION	0.07	0.72	101.20	0 02:18	0.72
EXD_9	JUNCTION	0.03	0.21	100.60	0 02:20	0.21
J1	JUNCTION	0.00	0.01	103.46	0 02:15	0.01
J13	JUNCTION	0.01	0.16	103.26	0 02:12	0.16
J17	JUNCTION	0.01	0.16	104.53	0 02:06	0.16
J19	JUNCTION	0.00	0.07	105.67	0 02:07	0.07
J2	JUNCTION	0.00	0.05	109.05	0 02:05	0.05
J20	JUNCTION	0.00	0.09	105.89	0 02:05	0.09
J21	JUNCTION	0.00	0.06	105.96	0 02:05	0.05
J22	JUNCTION	0.00	0.02	106.02	0 02:27	0.02
J23	JUNCTION	0.00	0.01	106.21	0 02:11	0.01
J27	JUNCTION	0.00	0.08	109.08	0 02:05	0.08
J28	JUNCTION	0.00	0.10	108.90	0 02:06	0.10
J3	JUNCTION	0.00	0.09	103.79	0 02:07	0.09
J31	JUNCTION	0.00	0.10	106.10	0 02:09	0.10
J35	JUNCTION	0.00	0.12	104.82	0 02:05	0.12
J36	JUNCTION	0.00	0.06	104.99	0 02:13	0.06
J37	JUNCTION	0.00	0.10	104.75	0 02:06	0.10
J38	JUNCTION	0.00	0.11	104.71	0 02:07	0.11
J39	JUNCTION	0.00	0.11	104.56	0 02:09	0.11
J4	JUNCTION	0.00	0.11	103.71	0 02:08	0.10
J40	JUNCTION	0.00	0.12	103.32	0 02:13	0.12
J42	JUNCTION	0.00	0.10	104.30	0 02:09	0.10
J43	JUNCTION	0.00	0.10	104.60	0 02:08	0.10
J45	JUNCTION	0.00	0.00	104.60	0 00:00	0.00
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.09	105.84	0 02:08	0.09
J49	JUNCTION	0.00	0.08	105.38	0 02:12	0.08
J5	JUNCTION	0.00	0.13	103.63	0 02:09	0.12
J50	JUNCTION	0.00	0.10	106.85	0 02:06	0.10
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0 00:00	0.00
J57	JUNCTION	0.00	0.07	108.47	0 02:06	0.07
J58	JUNCTION	0.00	0.08	108.08	0 02:05	0.08
J6	JUNCTION	0.00	0.12	103.52	0 02:10	0.12
J60	JUNCTION	0.00	0.07	107.07	0 02:05	0.07
J61	JUNCTION	0.00	0.07	106.57	0 02:06	0.07
J62	JUNCTION	0.00	0.09	105.79	0 02:12	0.09
J63	JUNCTION	0.00	0.05	105.25	0 02:08	0.05
J66	JUNCTION	0.00	0.07	107.82	0 02:07	0.07
J67	JUNCTION	0.00	0.07	107.57	0 02:10	0.07
J74	JUNCTION	0.41	0.46	98.91	0 03:42	0.46
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.05	0.33	98.33	0 02:05	0.33
ST4_108A_(P-Stm)	OUTFALL	0.00	0.00	98.02	0 00:00	0.00
500_(C-STRM)	STORAGE	0.33	0.68	101.05	0 00:39	0.67
502_(C-STRM)	STORAGE	0.14	1.65	102.23	0 02:10	1.65
503_(C-STRM)	STORAGE	0.13	1.76	102.37	0 02:10	1.75
504_(C-STRM)	STORAGE	0.35	1.21	104.27	0 02:10	1.21
505_(C-STRM)	STORAGE	0.35	1.43	104.91	0 02:09	1.41
506_(C-STRM)	STORAGE	0.35	1.53	105.36	0 02:09	1.52
507_(C-STRM)	STORAGE	0.34	1.50	105.76	0 02:09	1.48
508_(C-STRM)	STORAGE	0.34	1.56	105.95	0 02:10	1.56
509_(C-STRM)	STORAGE	0.35	1.64	106.26	0 02:12	1.64
510_(C-STRM)	STORAGE	0.34	1.66	106.53	0 02:12	1.66
511_(C-STRM)	STORAGE	0.34	1.68	106.61	0 02:12	1.67
512_(C-STRM)	STORAGE	0.35	1.76	106.90	0 02:12	1.76
513_(C-STRM)	STORAGE	0.34	1.75	107.02	0 02:12	1.75
514_(C-STRM)	STORAGE	0.30	1.42	107.03	0 02:12	1.41
515_(C-STRM)	STORAGE	0.28	1.17	107.05	0 02:12	1.15
516_(C-STRM)	STORAGE	0.34	1.79	107.27	0 02:12	1.78
517_(C-STRM)	STORAGE	0.35	1.89	107.53	0 02:12	1.89
518_(C-STRM)	STORAGE	0.36	2.18	108.06	0 02:11	2.18
519_(C-STRM)	STORAGE	0.33	1.97	108.07	0 02:10	1.95
520_(C-STRM)	STORAGE	0.33	1.84	108.20	0 02:10	1.83
522_(C-STRM)	STORAGE	0.31	0.65	104.95	0 02:08	0.65
525_(C-STRM)	STORAGE	0.14	1.69	102.67	0 02:13	1.69
528_(C-STRM)	STORAGE	0.11	1.83	102.53	0 02:14	1.83
532_(C-STRM)	STORAGE	0.09	1.88	102.68	0 02:14	1.88
536_(C-STRM)	STORAGE	0.09	1.87	102.82	0 02:14	1.87
540_(C-STRM)	STORAGE	0.38	2.12	102.95	0 02:15	2.12
541_(C-STRM)	STORAGE	0.38	2.11	103.01	0 02:15	2.11
551_(C-STRM)	STORAGE	0.35	1.62	102.30	0 02:11	1.62
552_(C-STRM)	STORAGE	0.35	1.60	102.30	0 02:13	1.60
553_(C-STRM)	STORAGE	0.34	1.48	102.44	0 02:12	1.48
554_(C-STRM)	STORAGE	0.32	1.37	102.44	0 02:13	1.37
555_(C-STRM)	STORAGE	0.30	1.18	102.45	0 02:13	1.18
556_(C-STRM)	STORAGE	0.29	1.06	102.45	0 02:13	1.06
601_(C-STRM)	STORAGE	0.18	1.25	101.68	0 02:16	1.25
602_(C-STRM)	STORAGE	0.19	1.79	102.27	0 02:16	1.79
603_(C-STRM)	STORAGE	0.17	1.87	102.16	0 02:16	1.87
604_(C-STRM)	STORAGE	0.17	2.18	102.80	0 02:16	2.17
605_(C-STRM)	STORAGE	0.35	1.55	102.92	0 02:16	1.55
619_(C-STRM)	STORAGE	0.17	2.82	103.94	0 02:15	2.81
622_(C-STRM)	STORAGE	0.17	3.05	104.28	0 02:15	3.04
626_(C-STRM)	STORAGE	0.30	1.09	105.08	0 02:15	1.08
627_(C-STRM)	STORAGE	0.33	1.71	104.91	0 02:15	1.71
629_(C-STRM)	STORAGE	0.15	2.74	104.45	0 02:15	2.74
630_(C-STRM)	STORAGE	0.14	2.78	104.62	0 02:15	2.78
630A_(C-STRM)	STORAGE	0.14	2.79	104.67	0 02:15	2.79
633_(C-STRM)	STORAGE	0.00	0.15	105.45	0 02:06	0.15
634_(C-STRM)	STORAGE	0.36	2.56	104.44	0 02:15	2.56
637_(C-STRM)	STORAGE	0.00	0.14	105.49	0 02:08	0.14
643_(C-STRM)	STORAGE	0.36	2.54	104.61	0 02:15	2.54
644_(C-STRM)	STORAGE	0.31	2.11	104.65	0 02:15	2.11
645_(C-STRM)	STORAGE	0.10	2.45	104.74	0 02:15	2.44
646_(C-STRM)	STORAGE	0.09	2.42	104.85	0 02:15	2.41
647_(C-STRM)	STORAGE	0.08	2.37	104.94	0 02:15	2.36
650_(C-STRM)	STORAGE	0.16	2.53	103.52	0 02:15	2.53
651_(C-STRM)	STORAGE	0.16	2.41	103.30	0 02:16	2.41
652_(C-STRM)	STORAGE	0.17	2.33	103.20	0 02:16	2.33
Filter_Bed	STORAGE	0.42	0.89	100.99	0 02:14	0.89
Industrial_NORTH	STORAGE	0.00	0.07	105.27	0 02:08	0.07
Industrial_South	STORAGE	0.00	0.12	105.12	0 02:08	0.12
MTD_(C-STRM)	STORAGE	0.25	1.56	101.92	0 02:11	1.56
OVERFLOW_(C-STRM)	STORAGE	0.37	1.12	101.29	0 00:39	1.12
PARK	STORAGE	0.00	0.09	105.45	0 02:16	0.09
POND_(C-STRM)	STORAGE	1.87	2.38	100.83	0 03:41	2.38
S_504-503	STORAGE	0.00	0.11	105.86	0 02:07	0.11
S_525-MTD	STORAGE	0.00	0.15	103.60	0 02:07	0.15
S_528-525	STORAGE	0.00	0.13	103.63	0 02:07	0.13
S_532-528	STORAGE	0.00	0.13	103.78	0 02:07	0.13
S_536-532	STORAGE	0.00	0.21	103.91	0 02:07	0.21
S_540-536	STORAGE	0.00	0.18	104.03	0 02:07	0.18
S_545-541	STORAGE	0.00	0.17	104.07	0 02:07	0.17
S_607-605	STORAGE	0.00	0.18	108.08	0 02:08	0.18
S_620-619	STORAGE	0.00	0.18	107.08	0 02:08	0.18
S_622-619	STORAGE	0.00	0.11	106.11	0 02:08	0.11
S_623-622	STORAGE	0.00	0.20	106.70	0 02:07	0.20
S_627-630	STORAGE	0.00	0.11	106.81	0 02:08	0.11
S_652-604	STORAGE	0.00	0.14	105.99	0 02:08	0.14
Woodlot_North	STORAGE	0.00	0.17	106.92	0 02:23	0.17

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.154	0 02:05	0	0.275	-0.157
EXD_10	JUNCTION	0.539	0.821	0 02:05	1.8	3.79	-0.071
EXD_11	JUNCTION	0.000	0.748	0 02:07	0	3.79	0.007
EXD_12	JUNCTION	0.123	0.842	0 02:06	0.474	4.27	0.001
EXD_13	JUNCTION	0.000	0.146	0 02:06	0	0.275	-0.217
EXD_14	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.234	0.234	0 02:05	0.799	0.799	-0.002
EXD_16	JUNCTION	0.000	0.124	0 02:06	0	0.799	-0.160
EXD_17	JUNCTION	0.000	0.124	0 02:07	0	0.8	0.006
EXD_18	JUNCTION	0.000	0.120	0 02:09	0	0.8	0.327
EXD_19	JUNCTION	0.000	0.132	0 02:16	0	0.812	-0.118
EXD_2	JUNCTION	0.000	0.134	0 02:07	0	0.276	0.505
EXD_20	JUNCTION	0.269	0.269	0 02:05	0.393	1.21	-0.017
EXD_21	JUNCTION	0.000	0.238	0 02:09	0	1.19	-0.050
EXD_22	JUNCTION	0.000	0.237	0 02:10	0	1.19	-0.090
EXD_23	JUNCTION	0.000	0.235	0 02:11	0	1.19	0.186
EXD_24	JUNCTION	0.000	0.229	0 02:15	0	1.19	0.066
EXD_25	JUNCTION	0.198	0.313	0 02:05	0.28	1.47	0.014
EXD_26	JUNCTION	0.000	0.362	0 02:06	0	1.47	0.078
EXD_27	JUNCTION	0.240	1.300	0 02:05	0.403	6.14	-0.013
EXD_3	JUNCTION	0.000	0.118	0 02:09	0	0.275	0.167
EXD_4	JUNCTION	0.000	0.116	0 02:10	0	0.274	0.051
EXD_5	JUNCTION	0.000	0.115	0 02:11	0	0.274	-0.001
EXD_6	JUNCTION	0.000	0.115	0 02:11	0	0.274	-0.639
EXD_7	JUNCTION	0.194	0.285	0 02:11	0.629	0.904	0.300
EXD_8	JUNCTION	0.330	0.541	0 02:05	1.09	2	-0.009
EXD_9	JUNCTION	0.000	0.363	0 02:18	0	2	0.192
J1	JUNCTION	0.000	0.011	0 02:13	0	0.0015	233.324
J13	JUNCTION	0.000	0.623	0 02:10	0	0.31	1.186
J17	JUNCTION	0.000	0.153	0 02:05	0	0.275	-0.180
J19	JUNCTION	0.040	0.107	0 02:05	0.0593	0.0939	0.807
J2	JUNCTION	0.181	0.181	0 02:05	0.274	0.274	-0.394
J20	JUNCTION	0.151	0.175	0 02:05	0.232	0.244	-0.599
J21	JUNCTION	0.058	0.058	0 02:05	0.0877	0.0885	-1.004
J22	JUNCTION	0.000	0.001	0 02:13	0	0.000852	9.076
J23	JUNCTION	0.000	0.012	0 02:08	0	0.00225	80.436
J27	JUNCTION	0.250	0.250	0 02:05	0.379	0.379	-1.576
J28	JUNCTION	0.680	0.744	0 02:05	1.05	1.07	-0.052
J3	JUNCTION	0.000	0.329	0 02:07	0	0.144	-0.010
J31	JUNCTION	0.000	0.265	0 02:07	0	0.0994	-0.789
J35	JUNCTION	0.396	0.426	0 02:05	0.606	0.685	-0.722
J36	JUNCTION	0.000	0.055	0 02:09	0	0.0341	9.123
J37	JUNCTION	0.000	0.176	0 02:05	0	0.0599	3.495
J38	JUNCTION	0.098	0.327	0 02:06	0.148	0.371	-0.549
J39	JUNCTION	0.000	0.258	0 02:08	0	0.174	3.230
J4	JUNCTION	0.000	0.517	0 02:07	0	0.205	0.018
J40	JUNCTION	0.000	0.820	0 02:12	0	0.594	-0.079
J42	JUNCTION	0.187	0.571	0 02:08	0.283	0.625	-0.960
J43	JUNCTION	0.178	0.409	0 02:07	0.269	0.468	-0.311
J45	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J46	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J47	JUNCTION	0.125	0.458	0 02:07	0.192	0.412	0.100

J49	JUNCTION	0.000	0.196	0	02:11	0	0.164	- 0.363
J5	JUNCTION	0.000	0.554	0	02:08	0	0.225	- 0.005
J50	JUNCTION	0.174	0.433	0	02:05	0.267	0.485	0.418
J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J57	JUNCTION	0.426	0.489	0	02:05	0.662	0.688	- 0.603
J58	JUNCTION	0.114	0.193	0	02:05	0.174	0.207	- 0.872
J6	JUNCTION	0.000	0.614	0	02:09	0	0.255	0.002
J60	JUNCTION	0.487	0.490	0	02:05	0.747	0.778	- 0.876
J61	JUNCTION	0.000	0.111	0	02:05	0	0.044	0.292
J62	JUNCTION	0.000	0.197	0	02:10	0	0.1	3.373
J63	JUNCTION	0.000	0.061	0	02:07	0	0.0351	2.912
J66	JUNCTION	0.000	0.101	0	02:06	0	0.035	1.807
J67	JUNCTION	0.000	0.083	0	02:08	0	0.0344	10.121
J74	JUNCTION	0.000	0.359	0	03:41	0	26	0.054
OF1	OUTFALL	0.000	0.066	0	03:41	0	0.146	0.000
OF2	OUTFALL	0.137	0.137	0	02:05	0.192	0.192	0.000
OF3	OUTFALL	0.000	1.267	0	02:05	0	6.14	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.359	0	03:42	0	26	0.000
500_(C-STRM)	STORAGE	0.000	0.327	0	00:39	0	0.679	- 0.447
502_(C-STRM)	STORAGE	0.000	1.304	0	02:10	0	5.03	0.148
503_(C-STRM)	STORAGE	0.000	0.985	0	02:10	0	3.86	- 0.005
504_(C-STRM)	STORAGE	0.000	0.904	0	02:09	0	3.55	- 0.324
505_(C-STRM)	STORAGE	0.000	0.827	0	02:09	0	3.26	0.131
506_(C-STRM)	STORAGE	0.000	0.749	0	02:09	0	2.97	0.353
507_(C-STRM)	STORAGE	0.000	0.585	0	02:12	0	2.22	- 0.627
508_(C-STRM)	STORAGE	0.000	0.581	0	02:12	0	2.22	- 0.002
509_(C-STRM)	STORAGE	0.000	0.580	0	02:12	0	2.22	- 0.060
510_(C-STRM)	STORAGE	0.000	0.580	0	02:12	0	2.22	0.118
511_(C-STRM)	STORAGE	0.000	0.582	0	02:12	0	2.22	0.124
512_(C-STRM)	STORAGE	0.000	0.531	0	02:12	0	2.05	- 0.077
513_(C-STRM)	STORAGE	0.000	0.571	0	02:11	0	2.11	0.635
514_(C-STRM)	STORAGE	0.000	0.064	0	01:58	0	0.061	1.955
515_(C-STRM)	STORAGE	0.000	0.027	0	02:02	0	0.0114	- 7.918
516_(C-STRM)	STORAGE	0.000	0.380	0	01:36	0	1.39	- 1.459
517_(C-STRM)	STORAGE	0.000	0.407	0	02:10	0	1.39	0.006
518_(C-STRM)	STORAGE	0.000	0.432	0	02:10	0	1.41	1.757
519_(C-STRM)	STORAGE	0.000	0.124	0	01:33	0	0.358	- 2.118
520_(C-STRM)	STORAGE	0.000	0.123	0	01:32	0	0.366	2.361
522_(C-STRM)	STORAGE	0.000	0.088	0	01:31	0	0.256	0.035
525_(C-STRM)	STORAGE	0.000	1.280	0	02:23	0	5.4	- 0.010
528_(C-STRM)	STORAGE	0.000	1.072	0	02:23	0	4.56	0.001
532_(C-STRM)	STORAGE	0.000	0.848	0	02:23	0	3.65	- 0.158
536_(C-STRM)	STORAGE	0.000	0.729	0	02:23	0	3.2	0.131
540_(C-STRM)	STORAGE	0.000	0.496	0	02:23	0	2.23	- 0.054
541_(C-STRM)	STORAGE	0.000	0.378	0	01:33	0	1.76	0.092
551_(C-STRM)	STORAGE	0.000	0.242	0	02:13	0	0.821	- 0.711
552_(C-STRM)	STORAGE	0.000	0.242	0	02:13	0	0.822	0.016
553_(C-STRM)	STORAGE	0.000	0.197	0	01:32	0	0.701	0.838
554_(C-STRM)	STORAGE	0.000	0.073	0	01:44	0	0.109	0.711
555_(C-STRM)	STORAGE	0.000	0.054	0	01:45	0	0.0496	- 0.276
556_(C-STRM)	STORAGE	0.000	0.029	0	01:53	0	0.0123	- 2.627
601_(C-STRM)	STORAGE	0.000	5.413	0	02:16	0	22	0.037
602_(C-STRM)	STORAGE	0.000	5.413	0	02:16	0	22	0.003
603_(C-STRM)	STORAGE	0.000	5.260	0	02:16	0	21.4	0.000
604_(C-STRM)	STORAGE	0.000	5.261	0	02:16	0	21.4	- 0.025
605_(C-STRM)	STORAGE	0.000	0.664	0	01:33	0	2.93	- 0.053
619_(C-STRM)	STORAGE	0.000	4.349	0	02:14	0	17.3	- 0.006
622_(C-STRM)	STORAGE	0.000	4.129	0	02:13	0	16.4	- 0.056
626_(C-STRM)	STORAGE	0.000	0.141	0	01:57	0	0.617	- 0.425
627_(C-STRM)	STORAGE	0.000	0.269	0	02:18	0	0.961	- 0.047
629_(C-STRM)	STORAGE	0.000	3.167	0	02:13	0	12.9	0.057
630_(C-STRM)	STORAGE	0.000	3.179	0	02:12	0	12.9	0.016
630A_(C-STRM)	STORAGE	0.000	2.960	0	02:11	0	11.9	0.056
633_(C-STRM)	STORAGE	0.363	0.363	0	02:05	0.571	0.571	- 0.001
634_(C-STRM)	STORAGE	0.000	0.592	0	02:16	0	1.99	0.052
637_(C-STRM)	STORAGE	1.125	1.125	0	02:05	1.77	1.77	0.000
643_(C-STRM)	STORAGE	0.000	0.440	0	02:11	0	1.6	0.791
644_(C-STRM)	STORAGE	0.000	0.073	0	02:02	0	0.11	- 3.809
645_(C-STRM)	STORAGE	0.000	0.759	0	02:16	0	2.65	- 0.068
646_(C-STRM)	STORAGE	0.000	0.640	0	02:16	0	2.55	- 0.013
647_(C-STRM)	STORAGE	0.000	0.543	0	01:34	0	2.34	0.004
650_(C-STRM)	STORAGE	0.000	4.340	0	02:15	0	17.3	0.009
651_(C-STRM)	STORAGE	0.000	4.337	0	02:15	0	17.3	0.001
652_(C-STRM)	STORAGE	0.000	4.599	0	02:15	0	18.5	- 0.036
Filter_Bed	STORAGE	0.000	3.070	0	02:13	0	10.3	0.029
Industrial_NORTH	STORAGE	3.844	3.844	0	02:05	9.34	9.34	- 0.059
Industrial_South	STORAGE	1.129	1.129	0	02:05	2.28	2.28	- 0.035
MTD_(C-STRM)	STORAGE	0.000	2.510	0	02:10	0	10.4	- 0.040
OVERFLOW_(C-STRM)	STORAGE	0.000	2.509	0	02:11	0	10.4	0.046
PARK	STORAGE	0.305	0.305	0	02:05	0.555	0.555	- 0.000
POND_(C-STRM)	STORAGE	1.433	8.970	0	02:05	2.85	35.8	- 0.018
S_504-503	STORAGE	0.056	0.056	0	02:05	0.0869	0.0869	- 0.017
S_525-MTD	STORAGE	0.575	0.575	0	02:05	0.894	0.894	- 0.017
S_528-525	STORAGE	0.593	0.593	0	02:05	0.932	0.932	- 0.018
S_532-528	STORAGE	0.301	0.301	0	02:05	0.473	0.473	- 0.018
S_536-532	STORAGE	0.655	0.655	0	02:05	1.03	1.03	- 0.016
S_540-536	STORAGE	0.313	0.313	0	02:05	0.493	0.493	- 0.017
S_545-541	STORAGE	1.199	1.199	0	02:05	1.89	1.89	- 0.014
S_607-605	STORAGE	2.289	2.289	0	02:05	3.56	3.56	- 0.000
S_620-619	STORAGE	0.648	0.648	0	02:05	1.01	1.01	- 0.001
S_622-619	STORAGE	0.444	0.444	0	02:05	0.69	0.69	0.000
S_623-622	STORAGE	0.749	0.749	0	02:05	1.16	1.16	0.000
S_627-630	STORAGE	0.259	0.259	0	02:05	0.402	0.402	0.000
S_652-604	STORAGE	0.745	0.745	0	02:05	1.16	1.16	- 0.017
Woodlot_North	STORAGE	0.378	0.378	0	02:05	0.617	0.617	0.000

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	11.7	0.0	0.0	0.001	24.5	0 00:39	0.329
502_(C-STRM)	0.000	3.9	0.0	0.0	0.002	44.7	0 02:10	1.302
503_(C-STRM)	0.000	3.4	0.0	0.0	0.002	44.9	0 02:10	0.984
504_(C-STRM)	0.000	12.4	0.0	0.0	0.001	43.4	0 02:10	0.898
505_(C-STRM)	0.000	10.7	0.0	0.0	0.002	43.7	0 02:09	0.820
506_(C-STRM)	0.000	11.0	0.0	0.0	0.002	48.5	0 02:09	0.741
507_(C-STRM)	0.000	10.8	0.0	0.0	0.002	47.0	0 02:09	0.593
508_(C-STRM)	0.000	10.8	0.0	0.0	0.002	48.9	0 02:10	0.585
509_(C-STRM)	0.000	11.1	0.0	0.0	0.002	52.6	0 02:12	0.581
510_(C-STRM)	0.000	11.2	0.0	0.0	0.002	54.3	0 02:12	0.580
511_(C-STRM)	0.000	11.2	0.0	0.0	0.002	54.9	0 02:12	0.580
512_(C-STRM)	0.000	11.2	0.0	0.0	0.002	57.0	0 02:12	0.526
513_(C-STRM)	0.000	11.0	0.0	0.0	0.002	56.2	0 02:12	0.551
514_(C-STRM)	0.000	9.5	0.0	0.0	0.002	45.3	0 02:12	0.095
515_(C-STRM)	0.000	8.8	0.0	0.0	0.001	36.4	0 02:12	0.036
516_(C-STRM)	0.000	11.3	0.0	0.0	0.002	59.1	0 02:12	0.402
517_(C-STRM)	0.000	11.5	0.0	0.0	0.002	62.9	0 02:12	0.380
518_(C-STRM)	0.000	12.3	0.0	0.0	0.002	75.4	0 02:11	0.407
519_(C-STRM)	0.000	12.0	0.0	0.0	0.002	70.6	0 02:10	0.180
520_(C-STRM)	0.000	12.5	0.0	0.0	0.002	69.7	0 02:10	0.121
522_(C-STRM)	0.000	10.5	0.0	0.0	0.001	21.7	0 02:08	0.088
525_(C-STRM)	0.000	5.3	0.0	0.0	0.002	62.1	0 02:13	1.297
528_(C-STRM)	0.000	4.1	0.0	0.0	0.002	67.7	0 02:14	1.088
532_(C-STRM)	0.000	3.5	0.0	0.0	0.002	69.7	0 02:14	0.861
536_(C-STRM)	0.000	3.6	0.0	0.0	0.002	70.6	0 02:14	0.741
540_(C-STRM)	0.000	13.3	0.0	0.0	0.002	73.8	0 02:15	0.525
541_(C-STRM)	0.000	12.8	0.0	0.0	0.002	72.0	0 02:15	0.423
551_(C-STRM)	0.000	9.3	0.0	0.0	0.002	42.8	0 02:11	0.244
552_(C-STRM)	0.000	9.0	0.0	0.0	0.002	41.4	0 02:13	0.242
553_(C-STRM)	0.000	9.1	0.0	0.0	0.002	39.4	0 02:12	0.197
554_(C-STRM)	0.000	8.3	0.0	0.0	0.002	35.2	0 02:13	0.080
555_(C-STRM)	0.000	7.4	0.0	0.0	0.001	28.8	0 02:13	0.066
556_(C-STRM)	0.000	7.0	0.0	0.0	0.001	25.1	0 02:13	0.035
601_(C-STRM)	0.000	4.1	0.0	0.0	0.001	28.0	0 02:16	5.413
602_(C-STRM)	0.000	4.6	0.0	0.0	0.002	43.0	0 02:16	5.413

603_(C-STRM)	0.000	4.2	0.0	0.0	0.002	47.0	0	02:16
5.259								
604_(C-STRM)	0.000	3.3	0.0	0.0	0.002	42.3	0	02:16
5.260								
605_(C-STRM)	0.000	6.5	0.0	0.0	0.002	29.0	0	02:16
0.697								
619_(C-STRM)	0.000	3.1	0.0	0.0	0.003	52.1	0	02:15
4.340								
622_(C-STRM)	0.000	3.6	0.0	0.0	0.003	63.7	0	02:15
4.116								
626_(C-STRM)	0.000	9.3	0.0	0.0	0.001	33.9	0	02:15
0.170								
627_(C-STRM)	0.000	9.4	0.0	0.0	0.002	48.8	0	02:15
0.318								
629_(C-STRM)	0.000	3.4	0.0	0.0	0.003	62.2	0	02:15
3.153								
630_(C-STRM)	0.000	3.3	0.0	0.0	0.003	63.7	0	02:15
3.167								
630A_(C-STRM)	0.000	3.5	0.0	0.0	0.003	67.7	0	02:15
2.950								
633_(C-STRM)	0.003	0.9	0.0	13.8	0.106	30.0	0	02:06
0.292								
634_(C-STRM)	0.000	9.4	0.0	0.0	0.003	67.0	0	02:15
0.681								
637_(C-STRM)	0.005	0.5	0.0	12.2	0.313	28.4	0	02:08
0.519								
643_(C-STRM)	0.000	10.3	0.0	0.0	0.003	73.6	0	02:15
0.489								
644_(C-STRM)	0.000	9.9	0.0	0.0	0.002	66.6	0	02:15
0.082								
645_(C-STRM)	0.000	2.7	0.0	0.0	0.003	67.9	0	02:15
0.838								
646_(C-STRM)	0.000	2.6	0.0	0.0	0.003	72.3	0	02:15
0.756								
647_(C-STRM)	0.000	2.7	0.0	0.0	0.003	78.1	0	02:15
0.637								
650_(C-STRM)	0.000	3.1	0.0	0.0	0.003	49.0	0	02:15
4.337								
651_(C-STRM)	0.000	3.3	0.0	0.0	0.003	48.3	0	02:16
4.335								
652_(C-STRM)	0.000	3.4	0.0	0.0	0.003	46.8	0	02:16
4.598								
Filter_Bed	0.831	24.9	0.0	0.0	1.844	55.2	0	02:14
3.032								
Industrial_NORTH	0.004	0.2	0.0	0.0	0.359	14.4	0	02:08
2.455								
Industrial_South	0.002	0.3	0.0	0.0	0.181	24.2	0	02:08
0.529								
MTD_(C-STRM)	0.000	8.4	0.0	0.0	0.002	51.6	0	02:11
2.509								
OVERFLOW_(C-STRM)	0.000	13.1	0.0	0.0	0.001	39.7	0	00:39
2.508								
PARK	0.002	0.3	0.0	0.0	0.089	17.8	0	02:16
0.154								
POND_(C-STRM)	18.682	51.6	0.0	0.0	29.411	81.2	0	03:41
0.425								
S_504-503	0.000	0.3	0.0	0.0	0.012	21.6	0	02:07
0.032								
S_525-MTD	0.003	0.5	0.0	0.0	0.167	29.2	0	02:07
0.332								
S_528-525	0.002	0.4	0.0	0.0	0.156	26.9	0	02:07
0.302								
S_532-528	0.001	0.4	0.0	0.0	0.076	25.7	0	02:07
0.175								
S_536-532	0.003	0.7	0.0	0.0	0.176	41.1	0	02:07
0.408								
S_540-536	0.001	0.5	0.0	0.0	0.074	36.2	0	02:07
0.191								
S_545-541	0.007	0.6	0.0	0.0	0.395	33.6	0	02:07
0.631								
S_607-605	0.016	0.7	0.0	12.2	0.825	36.2	0	02:08
1.033								
S_620-619	0.002	0.5	0.0	10.6	0.152	35.3	0	02:08
0.305								
S_622-619	0.001	0.3	0.0	12.3	0.095	21.4	0	02:08
0.192								
S_623-622	0.003	0.6	0.0	10.6	0.199	40.1	0	02:07
0.422								
S_627-630	0.001	0.3	0.0	14.4	0.056	21.8	0	02:08
0.178								
S_652-604	0.003	0.4	0.0	0.0	0.203	27.3	0	02:08
0.363								
Woodlot_North	0.005	0.9	0.0	0.0	0.169	33.8	0	02:23
0.141								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	6.80	0.025	0.066	0.146
OF2	22.91	0.010	0.137	0.192
OF3	97.88	0.073	1.267	6.141
ST4_108A_(P-Stm)	97.88	0.308	0.359	26.021
System	56.37	0.416	1.685	32.500

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.124	0 02:06	1.23	1.85	0.75
BDR-C2	CONDUIT	0.238	0 02:09	2.03	4.55	0.88
BDR-C3	CONDUIT	0.362	0 02:06	2.89	1.85	0.61
BDR-C4	CONDUIT	0.841	0 02:07	2.59	0.28	0.33
C1	CHANNEL	0.067	0 02:05	0.25	0.03	0.31
C1_1	CHANNEL	0.077	0 02:06	0.33	0.03	0.28
C1_11	CHANNEL	0.382	0 02:08	1.21	0.04	0.30
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.11
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.11
C1_4	CHANNEL	0.101	0 02:06	0.60	0.02	0.23
C1_5	CHANNEL	0.094	0 02:06	0.50	0.02	0.23
C1_6	CHANNEL	0.083	0 02:08	0.64	0.02	0.20
C1_7	CHANNEL	0.055	0 02:10	1.30	0.01	0.15
C1_8	CHANNEL	0.091	0 02:05	0.44	0.02	0.26
C1_9	CHANNEL	0.320	0 02:07	1.08	0.04	0.29
C2	CHANNEL	0.067	0 02:05	0.88	0.01	0.16
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.055	0 02:09	0.59	0.01	0.21
C2_11	CHANNEL	0.047	0 02:11	0.85	0.02	0.29
C2_12	CHANNEL	0.176	0 02:05	0.57	0.11	0.42
C2_13	CHANNEL	0.151	0 02:06	0.42	0.08	0.40
C2_14	CHANNEL	0.258	0 02:08	0.73	0.09	0.41
C2_15	CHANNEL	0.241	0 02:09	0.99	0.09	0.40
C2_16	CHANNEL	0.311	0 02:08	0.95	0.07	0.37
C2_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.15
C2_2	CHANNEL	0.111	0 02:05	0.75	0.03	0.27
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.15
C2_4	CHANNEL	0.102	0 02:06	0.79	0.03	0.32
C2_5	CHANNEL	0.001	0 02:11	0.01	0.00	0.22
C2_7	CHANNEL	0.001	0 02:13	0.40	0.00	0.05
C2_8	CHANNEL	0.061	0 02:07	0.54	0.02	0.22
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C3	CONDUIT	0.334	0 02:07	0.57	0.07	0.20
C3_2	CHANNEL	0.000	0 02:27	0.08	0.00	0.11
C3_6	CHANNEL	0.025	0 02:05	0.15	0.02	0.28
C3_7	CHANNEL	0.076	0 02:05	0.40	0.04	0.30
C4	CONDUIT	0.492	0 02:08	0.74	0.08	0.23
C4_5	CHANNEL	0.011	0 02:13	0.05	0.01	0.33
C4_6	CHANNEL	0.486	0 02:09	1.92	0.08	0.42
C4_7	CHANNEL	0.475	0 02:13	0.73	0.30	0.56
C5	CONDUIT	0.541	0 02:09	0.76	0.10	0.24
C5_1	CHANNEL	0.153	0 02:05	0.36	0.03	0.15
C5_10	CHANNEL	0.124	0 02:07	0.55	0.04	0.23
C5_11	CHANNEL	0.132	0 02:16	0.22	0.05	0.37
C5_12	CHANNEL	1.267	0 02:05	1.32	0.11	0.33
C5_13	CHANNEL	0.120	0 02:09	0.77	0.03	0.25
C5_14	CHANNEL	0.164	0 02:15	0.39	0.11	0.47
C5_15	CHANNEL	0.235	0 02:11	0.45	0.06	0.31
C5_16	CHANNEL	0.229	0 02:15	0.44	0.05	0.25
C5_17	CHANNEL	0.242	0 02:14	0.25	0.02	0.30
C5_18	CHANNEL	0.197	0 02:10	0.81	0.07	0.37
C5_19	CHANNEL	0.237	0 02:10	0.49	0.16	0.28
C5_2	CHANNEL	0.118	0 02:09	0.60	0.02	0.18
C5_20	CHANNEL	0.284	0 02:07	0.35	0.03	0.25
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.29
C5_23	CHANNEL	0.146	0 02:06	0.34	0.03	0.16
C5_24	CHANNEL	0.167	0 02:12	0.68	0.06	0.35
C5_25	CHANNEL	0.189	0 02:12	1.00	0.05	0.37
C5_3	CHANNEL	0.134	0 02:07	0.73	0.01	0.19
C5_4	CHANNEL	0.115	0 02:11	0.51	0.01	0.14
C5_5	CHANNEL	0.113	0 02:12	0.66	0.01	0.15
C5_6	CHANNEL	0.116	0 02:10	0.74	0.01	0.11
C5_7	CHANNEL	0.362	0 02:20	0.55	0.03	0.28
C5_8	CHANNEL	0.279	0 02:13	0.22	0.02	0.42
C5_9	CHANNEL	0.747	0 02:07	0.74	0.06	0.34
C6	CONDUIT	0.537	0 02:10	0.67	0.11	0.28
C7	CONDUIT	0.783	0 02:13	1.06	0.10	0.24
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT		0.402	0 02:12	1.15	1.07	1.00
1.00						
C-STRM-1_(1)_(C-STRM) CONDUIT		0.380	0 01:36	1.13	1.17	1.00
C-STRM-1_(C-STRM)	CONDUIT	0.407	0 02:10	1.44	1.71	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.327	0 00:39	1.48	0.75	0.73
C-STRM-101_(C-STRM)	CONDUIT	0.329	0 00:39	1.76	0.76	0.63
C-STRM-102_(C-STRM)	CONDUIT	2.297	0 02:11	4.49	1.19	0.89
C-STRM-105_(C-STRM)	CONDUIT	0.829	0 02:16	1.30	1.18	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.489	0 02:16	1.15	1.13	1.00
C-STRM-107_(1)_(C-STRM) CONDUIT		4.598	0 02:16	2.15	1.30	1.00
C-STRM-107_(C-STRM)	CONDUIT	4.335	0 02:15	2.03	1.23	1.00
C-STRM-2_(1)_(C-STRM) CONDUIT		0.526	0 02:12	1.47	0.93	1.00
C-STRM-2_(C-STRM)	CONDUIT	0.531	0 02:12	1.49	0.94	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.170	0 02:18	1.80	0.60	1.00
C-STRM-21_(C-STRM)	CONDUIT	0.318	0 02:20	1.53	1.05	1.00
C-STRM-22_(1)_(C-STRM) CONDUIT		3.153	0 02:13	1.78	1.15	1.00
C-STRM-22_(C-STRM)	CONDUIT	3.167	0 02:13	1.79	1.16	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.681	0 02:16	1.27	1.22	1.00
C-STRM-26_(1)_(C-STRM) CONDUIT		0.244	0 02:13	0.91	0.72	1.00
C-STRM-26_(C-STRM)	CONDUIT	0.242	0 02:13	0.91	0.72	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.741	0 02:09	1.68	0.94	
1.00						
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT		0.593	0 02:13	1.71	1.00	1.00
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT		0.585	0 02:12	1.63	0.98	1.00
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT		0.581	0 02:12	1.62	0.98	1.00
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT		0.580	0 02:12	1.62	1.03	1.00
C-STRM-3_(1)_(C-STRM) CONDUIT		0.580	0 02:12	1.71	1.03	1.00
C-STRM-33_(1)_(C-STRM) CONDUIT		0.756	0 02:16	1.19	1.08	1.00
C-STRM-33_(C-STRM)	CONDUIT	0.637	0 02:16	1.15	0.91	1.00
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT		0.066	0 02:14	0.42	0.39	1.00
C-STRM-34_(1)_(C-STRM) CONDUIT		0.035	0 02:14	0.26	0.20	1.00
C-STRM-35_(1)_(C-STRM) CONDUIT		0.194	0 02:13	0.99	0.79	1.00
C-STRM-35_(C-STRM)	CONDUIT	0.080	0 02:14	0.44	0.33	1.00
C-STRM-4_(1)_(C-STRM) CONDUIT		0.898	0 02:10	2.16	1.04	0.89
C-STRM-4_(C-STRM)	CONDUIT	0.820	0 02:09	1.86	1.04	1.00
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT		4.337	0 02:15	2.03	1.23	1.00
C-STRM-46_(1)_(C-STRM) CONDUIT		4.340	0 02:15	2.03	1.23	1.00
C-STRM-49_(C-STRM)	CONDUIT	0.423	0 02:26	0.86	0.76	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.525	0 02:26	0.98	0.94	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.741	0 02:23	1.17	1.06	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.861	0 02:23	1.15	0.99	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.088	0 02:23	1.46	1.26	1.00
C-STRM-57_(C-STRM)	CONDUIT	0.984	0 02:10	1.32	1.14	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.066	0 02:11	0.72	0.46	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.121	0 01:33	0.98	0.95	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.180	0 02:13	0.83	1.08	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0 02:08	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.297	0 02:23	1.74	1.29	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.509	0 02:11	2.92	1.30	0.97
C-STRM-78_(C-STRM)	CONDUIT	1.302	0 02:10	1.74	1.06	1.00
C-STRM-79_(1)_(C-STRM) CONDUIT		5.260	0 02:16	2.07	1.45	1.00
C-STRM-79_(C-STRM)	CONDUIT	0.697	0 02:17	1.67	0.99	1.00
C-STRM-8_(1)_(C-STRM) CONDUIT		0.095	0 02:19	0.52	0.49	1.00
C-STRM-8_(C-STRM)	CONDUIT	0.036	0 02:13	0.35	0.28	1.00
C-STRM-80_(C-STRM)	CONDUIT	5.259	0 02:16	2.07	1.45	1.00
C-STRM-81_(C-STRM)	CONDUIT	5.413	0 02:16	2.37	1.48	0.84
C-STRM-82_(C-STRM)	CONDUIT	5.413	0 02:16	3.00	1.49	0.67
C-STRM-83_(1)_(C-STRM) CONDUIT		2.950	0 02:11	1.73	1.07	1.00
C-STRM-84_(C-STRM)	CONDUIT	4.116	0 02:14	1.92	1.17	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.082	0 02:21	0.79	0.94	1.00
CVR-C2	CONDUIT	0.115	0 02:11	2.12	0.43	0.37
CVR-C3	CONDUIT	0.363	0 02:18	3.53	2.23	0.76
CVR-C4	CONDUIT	0.748	0 02:07	2.72	0.25	0.29
ST4-Pipe_-_(99)_(P-Stm) CONDUIT		0.359	0 03:42	1.30	0.37	0.45
W1	CHANNEL	3.006	0 02:14	0.98	0.01	0.04
OR1	ORIFICE	0.351	0 03:41			1.00
OR2	ORIFICE	0.007	0 03:41			0.10
W10	WEIR	0.123	0 02:08			0.11
W11	WEIR	0.159	0 02:06			0.13
W12	WEIR	0.099	0 02:08			0.09
W13	WEIR	0.253	0 02:07			0.17
W14	WEIR	0.078	0 02:07			0.09
W15	WEIR	0.186	0 02:07			0.16
W16	WEIR	0.068	0 02:07			0.07
W17	WEIR	0.091	0 02:08			0.09
W2	WEIR	0.066	0 03:41			0.08
W3	WEIR	0.010	0 02:07			0.02
W4	WEIR	0.012	0 02:08			0.02
W5	WEIR	0.140	0 02:07			0.11
W6	WEIR	0.162	0 02:07			0.14
W7	WEIR	0.062	0 02:08			0.08
W8	WEIR	0.327	0 02:08			0.20
W9	WEIR	0.009	0 02:08			0.02
C-STRM-108_(1)_(C-STRM) DUMMY		0.126	0 01:56			
C-STRM-14_(1)_(C-STRM) DUMMY		0.664	0 01:33			
C-STRM-27_(C-STRM)	DUMMY	0.248	0 01:33			
C-STRM-42_(C-STRM)	DUMMY	0.378	0 01:33			
C-STRM-44_(1)_(C-STRM) DUMMY		0.192	0 01:33			
C-STRM-45_(1)_(C-STRM) DUMMY		0.233	0 01:33			
C-STRM-61_(C-STRM)	DUMMY	0.374	0 01:33			
C-STRM-71_(C-STRM)	DUMMY	0.529	0 01:34			
C-STRM-83_(C-STRM)	DUMMY	2.455	0 02:01			
C-STRM-93_(C-STRM)	DUMMY	0.113	0 01:33			
C-STRM-96_(1)_(C-STRM) DUMMY		0.222	0 01:33			
C-STRM-97_(1)_(C-STRM) DUMMY		0.107	0 01:33			
C-STRM-98_(1)_(C-STRM) DUMMY		0.211	0 01:33			
OL1	DUMMY	0.175	0 01:34			
OL10	DUMMY	0.026	0 01:32			
OL11	DUMMY	0.086	0 01:32			
OL12	DUMMY	0.242	0 01:32			
OL13	DUMMY	0.056	0 01:32			
OL14	DUMMY	0.215	0 01:32			
OL15	DUMMY	0.342	0 01:32			
OL16	DUMMY	0.088	0 01:31			
OL17	DUMMY	0.123	0 01:32			
OL18	DUMMY	0.014	0 00:33			
OL19	DUMMY	0.056	0 00:33			
OL2	DUMMY	0.197	0 01:32			
OL20	DUMMY	0.022	0 01:34			
OL21	DUMMY	0.154	0 01:56			
OL22	DUMMY	0.021	0 00:32			
OL3	DUMMY	0.048	0 01:32			
OL4	DUMMY	0.092	0 01:32			
OL5	DUMMY	0.087	0 01:31			
OL6	DUMMY	0.141	0 01:57			
OL7	DUMMY	0.099	0 01:34			
OL8	DUMMY	0.264	0 01:33			
OL9	DUMMY	0.062	0 01:32			

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Flow Classification Summary
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Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.64	0.00
BDR-C2	1.00	0.02	0.00	0.00	0.97	0.01	0.00	0.00	0.42	0.00
BDR-C3	1.00	0.02	0.00	0.00	0.53	0.45	0.00	0.00	0.01	0.00
BDR-C4	1.00	0.02	0.00	0.00	0.63	0.35	0.00	0.00	0.89	0.00
C1	1.00	0.74	0.05	0.00	0.20	0.00	0.00	0.00	0.93	0.00
C1_1	1.00	0.72	0.06	0.00	0.22	0.00	0.00	0.00	0.92	0.00
C1_11	1.00	0.77	0.03	0.00	0.12	0.09	0.00	0.00	0.06	0.00
C1_2	1.00	0.76	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.76	0.24	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.02	0.79	0.00	0.15	0.04	0.00	0.00	0.94	0.00
C1_5	1.00	0.75	0.02	0.00	0.21	0.03	0.00	0.00	0.10	0.00
C1_6	1.00	0.02	0.00	0.00	0.95	0.03	0.00	0.00	0.91	0.00
C1_7	1.00	0.02	0.04	0.00	0.46	0.47	0.00	0.00	0.02	0.00
C1_8	1.00	0.76	0.04	0.00	0.19	0.02	0.00	0.00	0.95	0.00
C1_9	1.00	0.76	0.03	0.00	0.13	0.08	0.00	0.00	0.89	0.00
C2	1.00	0.79	0.00	0.00	0.00	0.20	0.00	0.00	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.02	0.00	0.00	0.93	0.05	0.00	0.00	0.92	0.00
C2_11	1.00	0.02	0.00	0.00	0.48	0.49	0.00	0.00	0.03	0.00
C2_12	1.00	0.02	0.78	0.00	0.20	0.00	0.00	0.00	0.94	0.00
C2_13	1.00	0.02	0.00	0.00	0.77	0.21	0.00	0.00	0.05	0.00
C2_14	1.00	0.02	0.73	0.00	0.23	0.02	0.00	0.00	0.93	0.00
C2_15	1.00	0.02	0.00	0.00	0.69	0.29	0.00	0.00	0.04	0.00
C2_16	1.00	0.77	0.03	0.00	0.13	0.06	0.00	0.00	0.92	0.00
C2_18	1.00	0.81	0.19	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_2	1.00	0.02	0.78	0.00	0.17	0.03	0.00	0.00	0.94	0.00
C2_3	1.00	0.80	0.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.02	0.00	0.00	0.93	0.05	0.00	0.00	0.92	0.00
C2_5	1.00	0.03	0.06	0.00	0.91	0.00	0.00	0.00	0.91	0.00
C2_7	1.00	0.09	0.00	0.00	0.91	0.00	0.00	0.00	0.91	0.00
C2_8	1.00	0.02	0.79	0.00	0.18	0.01	0.00	0.00	0.94	0.00
C2_9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	0.63	0.14	0.00	0.23	0.00	0.00	0.00	0.91	0.00
C3_2	1.00	0.02	0.07	0.00	0.60	0.31	0.00	0.00	0.00	0.00
C3_6	1.00	0.73	0.03	0.00	0.25	0.00	0.00	0.00	0.93	0.00
C3_7	1.00	0.76	0.02	0.00	0.22	0.00	0.00	0.00	0.09	0.00
C4	1.00	0.49	0.14	0.00	0.37	0.00	0.00	0.00	0.91	0.00
C4_5	1.00	0.09	0.01	0.00	0.91	0.00	0.00	0.00	0.91	0.00
C4_6	1.00	0.02	0.78	0.00	0.14	0.06	0.00	0.00	0.91	0.00
C4_7	1.00	0.02	0.06	0.00	0.85	0.06	0.00	0.00	0.00	0.00
C5	1.00	0.34	0.16	0.00	0.51	0.00	0.00	0.00	0.91	0.00
C5_1	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.86	0.00
C5_10	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.94	0.00
C5_11	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.96	0.00
C5_12	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.02	0.00	0.00	0.47	0.51	0.00	0.00	0.02	0.00
C5_14	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.56	0.00
C5_15	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_16	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.93	0.00
C5_18	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.91	0.00
C5_19	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.49	0.00
C5_2	1.00	0.02	0.00	0.00	0.73	0.25	0.00	0.00	0.00	0.00
C5_20	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_21	1.00	0.02	0.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.02	0.00	0.00	0.78	0.20	0.00	0.00	0.51	0.00
C5_24	1.00	0.07	0.00	0.00	0.92	0.01	0.00	0.00	0.91	0.00
C5_25	1.00	0.02	0.05	0.00	0.10	0.83	0.00	0.00	0.02	0.00
C5_3	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_4	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_5	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.12	0.00
C5_6	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.84	0.00
C5_7	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_8	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_9	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C6	1.00	0.09	0.25	0.00	0.66	0.00	0.00	0.00	0.91	0.00
C7	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.14	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.46	0.00
C-STRM-1_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.93	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.67	0.15	0.00	0.15	0.00	0.00	0.04	0.92	0.00
C-STRM-101_(C-STRM)	1.00	0.62	0.04	0.00	0.25	0.00	0.00	0.08	0.66	0.00
C-STRM-102_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.01	0.00	0.00	0.07	0.00
C-STRM-105_(C-STRM)	1.00	0.02	0.00	0.00	0.06	0.00	0.00	0.92	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.02	0.00	0.00	0.08	0.00	0.00	0.90	0.01	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.10	0.00	0.00	0.88	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.38	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.62	0.00
C-STRM-2_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.01	0.62	0.00
C-STRM-200_(C-STRM)	1.00	0.04	0.03	0.00	0.03	0.01	0.00	0.90	0.02	0.00
C-STRM-21_(C-STRM)	1.00	0.02	0.00	0.00	0.02	0.00	0.00	0.96	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.93	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.84	0.00
C-STRM-23_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.94	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.06	0.00	0.00	0.92	0.00	0.00
C-STRM-26_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.88	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.97	0.00	0.00	0.00	0.74	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.94	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.00	0.00	0.02	0.81	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.00	0.00	0.01	0.67	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.02	0.00	0.00	0.96	0.00	0.00	0.02	0.10	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.94	0.00	0.00	0.03	0.77	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.87	0.00
C-STRM-33_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.73	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.06	0.01	0.00	0.04	0.00	0.00	0.90	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.07	0.81	0.00	0.12	0.00	0.00	0.00	0.90	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.05	0.00	0.00	0.93	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.02	0.70	0.00	0.28	0.00	0.00	0.00	0.90	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.02	0.00	0.00	0.94	0.03	0.00	0.01	0.81	0.00
C-STRM-45_(1)_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.80	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.63	0.00
C-STRM-49_(C-STRM)	1.00	0.02	0.27	0.00	0.70	0.00	0.00	0.00	0.84	0.00
C-STRM-50_(C-STRM)	1.00	0.02	0.00	0.00	0.09	0.00	0.00	0.89	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.02	0.00	0.00	0.08	0.00	0.00	0.90	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.70	0.00
C-STRM-53_(C-STRM)	1.00	0.02	0.10	0.00	0.88	0.00	0.00	0.00	0.56	0.00
C-STRM-57_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.41	0.00
C-STRM-60_(C-STRM)	1.00	0.06	0.01	0.00	0.04	0.00	0.00	0.90	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.94	0.01	0.00
C-STRM-63_(C-STRM)	1.00	0.02	0.00	0.00	0.12	0.00	0.00	0.86	0.06	0.00
C-STRM-64_(C-STRM)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.02	0.00	0.00	0.62	0.00	0.00	0.36	0.15	0.00
C-STRM-77_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.26	0.00
C-STRM-78_(C-STRM)	1.00	0.02	0.00	0.00	0.61	0.00	0.00	0.37	0.13	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.65	0.00
C-STRM-79_(C-STRM)	1.00	0.02	0.00	0.00	0.04	0.00	0.00	0.94	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.03	0.03	0.00	0.04	0.00	0.00	0.89	0.01	0.00
C-STRM-8_(C-STRM)	1.00	0.07	0.02	0.00	0.02	0.00	0.00	0.90	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.58	0.00
C-STRM-81_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.48	0.00
C-STRM-82_(C-STRM)	1.00	0.02	0.00	0.00	0.48	0.00	0.00	0.50	0.03	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.35	0.00
C-STRM-84_(C-STRM)	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.60	0.00
C-STRM-87_(C-STRM)	1.00	0.96	0.01	0.00	0.03	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.03	0.00	0.00	0.73	0.24	0.00	0.00	0.79	0.00
CVR-C3	1.00	0.02	0.00	0.00	0.14	0.84	0.00	0.00	0.10	0.00
CVR-C4	1.00	0.02	0.00	0.00	0.37	0.61	0.00	0.00	0.14	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.02	0.00	0.00	0.00	0.00	0.00	0.98	0.00	0.00
W1	1.00	0.82	0.00	0.00	0.04	0.00	0.00	0.14	0.00	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Upstream	Dnstream	Above Full Normal Flow	Capacity Limited
BDR-C1	0.01	0.14	0.01	0.52	0.01
BDR-C2	0.01	0.14	0.01	1.57	0.01
BDR-C3	0.01	0.01	0.01	0.46	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.34	0.34	0.35	0.02	0.24
C-STRM-1_(1)_(C-STRM)	0.33	0.39	0.34	0.39	0.27
C-STRM-1_(C-STRM)	0.38	0.67	0.38	0.69	0.32
C-STRM-100_(C-STRM)	0.01	0.06	0.01	0.67	0.01
C-STRM-105_(C-STRM)	0.65	0.65	0.68	0.07	0.07
C-STRM-106_(C-STRM)	0.72	0.73	0.73	0.18	0.61
C-STRM-107_(1)_(C-STRM)	0.43	0.63	0.43	0.46	0.43
C-STRM-107_(C-STRM)	0.63	0.66	0.63	0.40	0.63
C-STRM-2_(1)_(C-STRM)	0.38	0.38	0.38	0.01	0.36
C-STRM-2_(C-STRM)	0.35	0.35	0.38	0.01	0.01
C-STRM-200_(C-STRM)	0.19	0.19	0.37	0.01	0.01
C-STRM-21_(C-STRM)	0.36	0.37	0.40	0.05	0.08
C-STRM-22_(1)_(C-STRM)	0.52	0.52	0.61	0.25	0.28
C-STRM-22_(C-STRM)	0.48	0.48	0.52	0.26	0.29
C-STRM-23_(C-STRM)	0.72	0.73	0.74	0.09	0.61
C-STRM-26_(1)_(C-STRM)	0.83	0.83	0.85	0.01	0.01
C-STRM-26_(C-STRM)	0.74	0.74	0.83	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.39	0.39	0.39	0.41	0.01	0.33
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.37	0.39	0.38	0.01	0.22
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.39	0.40	0.39	0.01	0.36
C-STRM-3_(1)_(1)_(C-STRM)	0.40	0.42	0.40	0.01	0.40
C-STRM-3_(1)_(2)_(C-STRM)	0.38	0.38	0.42	0.02	0.03
C-STRM-3_(1)_(C-STRM)	0.38	0.38	0.38	0.03	0.16
C-STRM-33_(1)_(C-STRM)	0.62	0.62	0.65	0.02	0.06
C-STRM-33_(C-STRM)	0.49	0.49	0.62	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.39	0.39	0.47	0.01	0.01
C-STRM-34_(1)_(C-STRM)	0.28	0.28	0.39	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.66	0.66	0.74	0.01	0.01
C-STRM-35_(C-STRM)	0.48	0.48	0.66	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.35	0.01	0.14	0.01
C-STRM-4_(C-STRM)	0.35	0.41	0.35	0.10	0.35
C-STRM-45_(1)_(1)_(C-STRM)	0.66	0.67	0.66	0.40	0.64
C-STRM-46_(1)_(C-STRM)	0.67	0.71	0.67	0.40	0.67
C-STRM-49_(C-STRM)	0.87	0.87	0.88	0.01	0.01
C-STRM-50_(C-STRM)	0.87	0.88	0.88	0.01	0.80
C-STRM-51_(C-STRM)	0.88	0.88	0.88	0.57	0.87
C-STRM-52_(C-STRM)	0.88	0.88	0.88	0.01	0.85
C-STRM-53_(C-STRM)	0.88	0.88	0.88	0.81	0.88
C-STRM-57_(C-STRM)	0.85	0.86	0.86	0.39	0.80
C-STRM-60_(C-STRM)	0.63	0.63	0.73	0.01	0.01
C-STRM-62_(C-STRM)	0.42	0.42	0.49	0.01	0.01
C-STRM-63_(C-STRM)	0.49	0.49	0.67	0.01	0.02
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.06	0.01
C-STRM-76_(C-STRM)	0.87	0.88	0.87	0.83	0.87
C-STRM-77_(C-STRM)	0.01	0.87	0.06	0.80	0.01
C-STRM-78_(C-STRM)	0.86	0.86	0.87	0.21	0.73
C-STRM-79_(1)_(C-STRM)	0.19	0.43	0.19	0.78	0.19
C-STRM-79_(C-STRM)	0.41	0.41	0.42	0.01	0.01
C-STRM-8_(1)_(C-STRM)	0.25	0.25	0.35	0.01	0.01
C-STRM-8_(C-STRM)	0.18	0.18	0.25	0.01	0.01
C-STRM-80_(C-STRM)	0.01	0.19	0.01	0.78	0.01
C-STRM-81_(C-STRM)	0.01	0.01	0.01	0.79	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.80	0.01
C-STRM-83_(1)_(C-STRM)	0.48	0.48	0.48	0.24	0.26
C-STRM-84_(C-STRM)	0.71	0.75	0.71	0.31	0.71
C-STRM-87_(C-STRM)	0.47	0.47	0.63	0.01	0.01
CVR-C3	0.01	0.71	0.01	1.06	0.01

Analysis begun on: Thu Jun 25 09:03:35 2026
Analysis ended on: Thu Jun 25 09:04:13 2026
Total elapsed time: 00:00:38

Post-Development HIST 1996

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  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ***************
  Raingage Summary
  ***************
                                                  Data       Recording
  Name                Data Source                 Type       Interval
  ----------------------------------------------------------------------
  24SCS100            24SCS100                    INTENSITY   15 min.
  6SCS050             6SCS050                     INTENSITY   15 min.
  Rainfall            AUG8-96                     INTENSITY    5 min.


  ********************
  Subcatchment Summary
  ********************
  Name                        Area     Width   %Imperv    %Slope Rain Gage            Outlet
  ------------------------------------------------------------------------------------------
  A15_1                       1.31     13.10     18.98    0.5000 Rainfall             EXD_8
  A15_2                       2.15     13.10     18.98    0.5000 Rainfall             EXD_12
  A18                         0.59    338.21     39.12    0.5000 Rainfall             EXD_25
  A19                         1.11    332.78     22.32    0.5000 Rainfall             EXD_20
  A20                         4.83    279.76      8.37    1.5000 Rainfall             EXD_15
  NULL3                       0.57    312.75     83.33    1.4500 Rainfall             EXD_27
  S1                          6.51   1465.85     64.29    2.0000 Rainfall             S_607-605
  S1_1                        0.09    154.58     71.43    2.0000 Rainfall             J19
  S1_2                        0.14    147.72     71.43    2.0000 Rainfall             J21
  S10_1                       1.84    414.84     64.29    2.0000 Rainfall             S_620-619
  S10_2                       2.13    479.37     64.29    2.0000 Rainfall             S_623-622
  S10_4                       0.74    165.67     64.29    2.0000 Rainfall             S_627-630
  S10_5                       1.26    284.06     64.29    2.0000 Rainfall             S_622-619
  S11                         3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                         0.44    346.44     71.43    2.0000 Rainfall             J2
  S14_1                       0.60    371.55     71.43    2.0000 Rainfall             J27
  S14_3                       1.06    381.29     71.43    2.0000 Rainfall             J57
  S14_4                       0.31    138.84     71.43    2.0000 Rainfall             J47
  S14_5                       1.69    653.02     71.43    2.0000 Rainfall             J28
  S14_6                       0.28    141.02     71.43    2.0000 Rainfall             J58
  S14_7                       1.19    549.94     71.43    2.0000 Rainfall             J60
  S14_8                       0.43    191.40     71.43    2.0000 Rainfall             J50
  S15                         1.64    368.26     64.29    2.0000 Rainfall             S_525-MTD
  S16_1                       0.46     16.60    100.00    0.5000 Rainfall             EXD_10
  S16_2                       0.99     16.60    100.00    0.5000 Rainfall             EXD_8
  S17                         6.26    202.00      3.33    0.5000 Rainfall             EXD_7
  S18_2                       3.35    754.05     67.14    2.0000 Rainfall             S_545-541
  S18_3                       1.66    372.76     67.14    2.0000 Rainfall             S_528-525
  S18_4                       0.88    197.06     67.14    2.0000 Rainfall             S_540-536
  S18_5                       1.83    412.02     67.14    2.0000 Rainfall             S_536-532
  S18_6                       0.84    188.96     67.14    2.0000 Rainfall             S_532-528
  S19                         0.97    462.04     71.43    2.0000 Rainfall             J35
  S2                          0.37    154.58     71.43    2.0000 Rainfall             J20
  S2_1                        3.14    707.17     67.14    2.0000 Rainfall             637_(C-
STRM)
  S2_2                        1.01    228.16     67.14    2.0000 Rainfall             633_(C-
STRM)
  S20_1                       0.45    284.74     71.43    2.0000 Rainfall             J42
  S20_2                       0.24    137.80     71.43    2.0000 Rainfall             J38
  S3                          2.12    476.98     64.29    2.0000 Rainfall             S_652-604
  S32_1                       0.43    369.16     71.43    2.0000 Rainfall             J43
  S32_2                       0.16     35.80     64.29    2.0000 Rainfall             S_504-503
  S36                         1.82     21.00    100.00    0.5000 Rainfall             EXD_10
  S4                         13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                          3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                          0.34    261.05     57.14    2.0000 Rainfall             OF2
  S7                          3.99    402.80     85.71    0.5000 Rainfall             POND_(C-
STRM)
  S8                          1.60    121.93     35.71    2.0000 Rainfall             PARK


  ************
  Node Summary
  ************
                                    Invert      Max.    Ponded    External
  Name                Type           Elev.     Depth      Area    Inflow
  ----------------------------------------------------------------------
  EXD_1               JUNCTION      104.39      1.51       0.0
  EXD_10              JUNCTION       98.65      1.20       0.0
  EXD_11              JUNCTION       98.50      1.20       0.0
  EXD_12              JUNCTION       98.31      1.20       0.0
  EXD_13              JUNCTION      104.32      1.10       0.0
  EXD_14              JUNCTION      102.49      0.80       0.0
  EXD_15              JUNCTION      100.27      0.80       0.0
  EXD_16              JUNCTION      100.20      0.80       0.0
  EXD_17              JUNCTION       99.89      0.80       0.0
  EXD_18              JUNCTION       99.40      0.84       0.0
  EXD_19              JUNCTION       99.19      0.88       0.0
  EXD_2               JUNCTION      103.47      1.93       0.0
  EXD_20              JUNCTION       99.19      0.88       0.0
  EXD_21              JUNCTION       99.18      0.88       0.0
  EXD_22              JUNCTION       99.14      0.88       0.0
  EXD_23              JUNCTION       98.75      1.14       0.0
  EXD_24              JUNCTION       98.67      1.14       0.0
  EXD_25              JUNCTION       98.52      1.13       0.0
  EXD_26              JUNCTION       98.48      1.13       0.0
  EXD_27              JUNCTION       98.17      1.20       0.0
  EXD_3               JUNCTION      103.19      1.41       0.0
  EXD_4               JUNCTION      102.64      1.20       0.0
  EXD_5               JUNCTION      102.50      1.20       0.0
  EXD_6               JUNCTION      102.32      1.08       0.0
  EXD_7               JUNCTION      101.50      1.06       0.0
  EXD_8               JUNCTION      100.48      1.06       0.0
  EXD_9               JUNCTION      100.39      1.06       0.0
  J1                  JUNCTION      103.45      0.50       0.0
  J13                 JUNCTION      103.30      0.50       0.0
  J17                 JUNCTION      104.37      1.04       0.0
  J19                 JUNCTION      105.60      0.50       0.0
  J2                  JUNCTION      109.00      0.50       0.0
  J20                 JUNCTION      105.80      0.50       0.0
  J21                 JUNCTION      105.90      0.50       0.0
  J22                 JUNCTION      106.00      0.50       0.0
  J23                 JUNCTION      106.20      0.50       0.0
  J27                 JUNCTION      109.00      0.50       0.0
  J28                 JUNCTION      108.80      0.50       0.0
  J3                  JUNCTION      103.70      0.50       0.0
  J31                 JUNCTION      106.00      0.50       0.0
  J35                 JUNCTION      104.70      0.50       0.0
  J36                 JUNCTION      104.93      0.50       0.0
  J37                 JUNCTION      104.65      0.50       0.0
  J38                 JUNCTION      104.60      0.50       0.0
  J39                 JUNCTION      104.45      0.50       0.0
  J4                  JUNCTION      103.60      0.50       0.0
  J40                 JUNCTION      103.20      0.50       0.0
  J42                 JUNCTION      104.20      0.50       0.0
  J43                 JUNCTION      104.50      0.50       0.0
  J45                 JUNCTION      104.60      0.50       0.0
  J46                 JUNCTION      105.10      0.50       0.0
  J47                 JUNCTION      105.75      0.50       0.0
  J49                 JUNCTION      105.30      0.50       0.0
  J5                  JUNCTION      103.50      0.50       0.0
  J50                 JUNCTION      106.75      0.50       0.0
  J51                 JUNCTION      109.75      0.50       0.0
  J52                 JUNCTION      109.00      0.50       0.0
  J55                 JUNCTION      109.10      0.50       0.0
  J56                 JUNCTION      108.47      0.50       0.0
  J57                 JUNCTION      108.40      0.50       0.0
  J58                 JUNCTION      108.00      0.50       0.0
  J6                  JUNCTION      103.40      0.50       0.0
  J60                 JUNCTION      107.00      0.50       0.0
  J61                 JUNCTION      106.50      0.50       0.0
  J62                 JUNCTION      105.70      0.50       0.0
  J63                 JUNCTION      105.20      0.50       0.0
  J66                 JUNCTION      107.75      0.50       0.0
  J67                 JUNCTION      107.50      0.50       0.0
  J74                 JUNCTION       98.45      0.90       0.0
  OF1                 OUTFALL       100.80      0.00       0.0
  OF2                 OUTFALL         0.00      0.00       0.0
  OF3                 OUTFALL        98.00      1.06       0.0
  ST4_108A_(P-Stm)    OUTFALL        98.02      1.19       0.0
  500_(C-STRM)        STORAGE       100.37      2.79       0.0
  502_(C-STRM)        STORAGE       100.57      3.70       0.0
  503_(C-STRM)        STORAGE       100.61      3.91       0.0
  504_(C-STRM)        STORAGE       103.06      2.80       0.0
  505_(C-STRM)        STORAGE       103.48      3.27       0.0
  506_(C-STRM)        STORAGE       103.83      3.15       0.0
  507_(C-STRM)        STORAGE       104.17      3.19       0.0
  508_(C-STRM)        STORAGE       104.39      3.18       0.0
  509_(C-STRM)        STORAGE       104.62      3.12       0.0
  510_(C-STRM)        STORAGE       104.87      3.06       0.0
  511_(C-STRM)        STORAGE       104.94      3.06       0.0
  512_(C-STRM)        STORAGE       105.14      3.10       0.0
  513_(C-STRM)        STORAGE       105.27      3.12       0.0
  514_(C-STRM)        STORAGE       105.61      3.13       0.0
  515_(C-STRM)        STORAGE       105.88      3.22       0.0
  516_(C-STRM)        STORAGE       105.48      3.03       0.0
  517_(C-STRM)        STORAGE       105.64      3.00       0.0
  518_(C-STRM)        STORAGE       105.88      2.90       0.0
  519_(C-STRM)        STORAGE       106.10      2.79       0.0
  520_(C-STRM)        STORAGE       106.37      2.63       0.0
  522_(C-STRM)        STORAGE       104.31      3.00       0.0
  525_(C-STRM)        STORAGE       100.58      2.72       0.0
  528_(C-STRM)        STORAGE       100.70      2.71       0.0
  532_(C-STRM)        STORAGE       100.80      2.70       0.0
  536_(C-STRM)        STORAGE       100.95      2.65       0.0
  540_(C-STRM)        STORAGE       100.83      2.87       0.0
  541_(C-STRM)        STORAGE       100.91      2.92       0.0
  551_(C-STRM)        STORAGE       100.67      3.79       0.0
  552_(C-STRM)        STORAGE       100.77      3.86       0.0
  553_(C-STRM)        STORAGE       100.96      3.76       0.0
  554_(C-STRM)        STORAGE       101.08      3.89       0.0
  555_(C-STRM)        STORAGE       101.27      4.08       0.0
  556_(C-STRM)        STORAGE       101.39      4.21       0.0
  601_(C-STRM)        STORAGE       100.43      4.45       0.0
  602_(C-STRM)        STORAGE       100.48      4.16       0.0
  603_(C-STRM)        STORAGE       100.55      3.99       0.0
  604_(C-STRM)        STORAGE       100.63      5.14       0.0
  605_(C-STRM)        STORAGE       101.38      5.35       0.0
  619_(C-STRM)        STORAGE       101.12      5.40       0.0
  622_(C-STRM)        STORAGE       101.24      4.78       0.0
  626_(C-STRM)        STORAGE       104.00      3.20       0.0
  627_(C-STRM)        STORAGE       103.20      3.50       0.0
  629_(C-STRM)        STORAGE       101.71      4.40       0.0
  630_(C-STRM)        STORAGE       101.83      4.37       0.0
  630A_(C-STRM)       STORAGE       101.88      4.12       0.0
  633_(C-STRM)        STORAGE       105.30      0.50       0.0
  634_(C-STRM)        STORAGE       101.88      3.82       0.0
  637_(C-STRM)        STORAGE       105.35      0.50       0.0
  643_(C-STRM)        STORAGE       102.07      3.45       0.0
  644_(C-STRM)        STORAGE       102.54      3.17       0.0
  645_(C-STRM)        STORAGE       102.30      3.61       0.0
  646_(C-STRM)        STORAGE       102.43      3.34       0.0
  647_(C-STRM)        STORAGE       102.57      3.03       0.0
  650_(C-STRM)        STORAGE       100.99      5.17       0.0
  651_(C-STRM)        STORAGE       100.89      4.99       0.0
  652_(C-STRM)        STORAGE       100.87      4.97       0.0
  Filter_Bed          STORAGE       100.10      1.48       0.0
  Industrial_NORTH    STORAGE       105.20      0.50       0.0
  Industrial_South    STORAGE       105.00      0.50       0.0
  MTD_(C-STRM)        STORAGE       100.36      3.02       0.0
  OVERFLOW_(C-STRM)   STORAGE       100.17      2.83       0.0
  PARK                STORAGE       105.36      0.50       0.0
  POND_(C-STRM)       STORAGE        98.45      2.65       0.0    Yes
  S_504-503           STORAGE       105.75      0.50       0.0
  S_525-MTD           STORAGE       103.45      0.50       0.0
  S_528-525           STORAGE       103.50      0.50       0.0
  S_532-528           STORAGE       103.65      0.50       0.0
  S_536-532           STORAGE       103.70      0.50       0.0
  S_540-536           STORAGE       103.85      0.50       0.0
  S_545-541           STORAGE       103.90      0.50       0.0
  S_607-605           STORAGE       107.90      0.50       0.0
  S_620-619           STORAGE       106.90      0.50       0.0
  S_622-619           STORAGE       106.00      0.50       0.0
  S_623-622           STORAGE       106.50      0.50       0.0
  S_627-630           STORAGE       106.70      0.50       0.0
  S_652-604           STORAGE       105.85      0.50       0.0
  Woodlot_North       STORAGE       106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                From Node     To Node       Type          Length    %Slope
Roughness
  ----------------------------------------------------------------------------------------
-
  BDR-C1              EXD_15        EXD_16        CONDUIT         17.7    0.3844
0.0250
  BDR-C2              EXD_20        EXD_21        CONDUIT          7.9    0.0632
0.0130
  BDR-C3              EXD_25        EXD_26        CONDUIT         14.2    0.2683
0.0130
  BDR-C4              EXD_12        EXD_27        CONDUIT         23.0    0.6077
0.0130
  C1                  J27           J28           CONDUIT        185.8    0.1077
0.0130
  C1_1                J28           J57           CONDUIT        329.5    0.1214
0.0130
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C1_11	J47	J43	CONDUIT	75.0	1.6661	0.0130
C1_2	J55	J57	CONDUIT	190.6	0.3672	0.0130
C1_3	J56	J57	CONDUIT	40.0	0.1748	0.0130
C1_4	J58	J66	CONDUIT	70.2	0.3562	0.0130
C1_5	J57	J58	CONDUIT	76.8	0.5205	0.0130
C1_6	J66	J67	CONDUIT	70.0	0.3571	0.0130
C1_7	J67	J60	CONDUIT	69.8	0.7166	0.0130
C1_8	J60	J50	CONDUIT	73.0	0.3424	0.0130
C1_9	J50	J47	CONDUIT	92.6	1.0800	0.0130
C2	J2	EXD_1	CONDUIT	173.2	1.9632	0.0130
C2_1	J51	J52	CONDUIT	39.5	1.8977	0.0130
C2_10	J63	J36	CONDUIT	39.5	0.6883	0.0130
C2_11	J36	J35	CONDUIT	72.0	0.3166	0.0130
C2_12	J35	J37	CONDUIT	45.5	0.1098	0.0130
C2_13	J37	J38	CONDUIT	28.9	0.1729	0.0130
C2_14	J38	J39	CONDUIT	44.0	0.3457	0.0130
C2_15	J39	J42	CONDUIT	72.0	0.3442	0.0130
C2_16	J43	J42	CONDUIT	31.1	0.9633	0.0130
C2_18	J45	J43	CONDUIT	70.2	0.1425	0.0130
C2_2	J60	J61	CONDUIT	75.0	0.6666	0.0130
C2_3	J52	J60	CONDUIT	165.4	1.2090	0.0130
C2_4	J61	J31	CONDUIT	72.0	0.6944	0.0130
C2_5	J23	J31	CONDUIT	163.3	0.1225	0.0130
C2_7	J23	J22	CONDUIT	27.9	0.7165	0.0130
C2_8	J19	J63	CONDUIT	110.8	0.3610	0.0130
C2_9	J46	J45	CONDUIT	93.4	0.5355	0.0130
C3	J3	J4	CONDUIT	72.6	0.1378	0.0130
C3_2	J22	J21	CONDUIT	73.0	0.1370	0.0130
C3_6	J21	J20	CONDUIT	75.8	0.1319	0.0130
C3_7	J20	J19	CONDUIT	112.3	0.1781	0.0130
C4	J4	J5	CONDUIT	49.7	0.2012	0.0130
C4_5	J1	J13	CONDUIT	118.4	0.1267	0.0130
C4_6	J42	J40	CONDUIT	45.9	2.1776	0.0130
C4_7	J13	J40	CONDUIT	64.4	0.1553	0.0130
C5	J5	J6	CONDUIT	68.4	0.1461	0.0130
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054	0.0250
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866	0.0250
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893	0.0250
C5_12	EXD_27	OF3	CONDUIT	27.1	0.6098	0.0250
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876	0.0250
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550	0.0250
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893	0.0250
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781	0.0250
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645	0.0250
C5_18	J31	J62	CONDUIT	71.0	0.4225	0.0130
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558	0.0250
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933	0.0250
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645	0.0250
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626	0.0250
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299	0.0250
C5_24	J62	J49	CONDUIT	91.3	0.4382	0.0130
C5_25	J49	J38	CONDUIT	76.5	0.9152	0.0130
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195	0.0250
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880	0.0250
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893	0.0250
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871	0.0250
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091	0.0250
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095	0.0250
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087	0.0250
C6	J6	J13	CONDUIT	71.5	0.1398	0.0130
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144	0.0130
C-STRM-1_(1)_(1)_(C-STRM) 516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998	0.0130	
C-STRM-1_(1)_(C-STRM) 517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500	0.0130	
C-STRM-1_(C-STRM) 518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500	0.0130	
C-STRM-100_(C-STRM) OVERFLOW_(C-STRM) 500_(C-STRM)	CONDUIT	26.4	0.4998	0.0130		
C-STRM-101_(C-STRM) 500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021	0.0130	
C-STRM-102_(C-STRM) OVERFLOW_(C-STRM) Filter_Bed	CONDUIT	14.0	0.5008	0.0130		
C-STRM-105_(C-STRM) 645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502	0.0130	
C-STRM-106_(C-STRM) 643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500	0.0130	
C-STRM-107_(1)_(C-STRM) 652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502	0.0130	
C-STRM-107_(C-STRM) 651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495	0.0130	
C-STRM-2_(1)_(C-STRM) 512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498	0.0130	
C-STRM-2_(C-STRM) 513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502	0.0130	
C-STRM-20_(C-STRM) 626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002	0.0130	
C-STRM-21_(C-STRM) 627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995	0.0130	
C-STRM-22_(1)_(C-STRM) 629_(C-STRM)	622_(C-STRM)	CONDUIT	81.4	0.1499	0.0130	
C-STRM-22_(C-STRM) 630_(C-STRM)	629_(C-STRM)	CONDUIT	82.1	0.1498	0.0130	
C-STRM-23_(C-STRM) 634_(C-STRM)	622_(C-STRM)	CONDUIT	72.0	0.1500	0.0130	
C-STRM-26_(1)_(C-STRM) 551_(C-STRM)	502_(C-STRM)	CONDUIT	60.8	0.1613	0.0130	
C-STRM-26_(C-STRM) 552_(C-STRM)	551_(C-STRM)	CONDUIT	60.3	0.1593	0.0130	
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) 506_(C-STRM)	505_(C-STRM)	CONDUIT	70.0	0.4998	0.0130	
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) 507_(C-STRM)	506_(C-STRM)	CONDUIT	51.7	0.5005	0.0130	
C-STRM-3_(1)_(1)_(1)_(C-STRM) 508_(C-STRM)	507_(C-STRM)	CONDUIT	45.5	0.5011	0.0130	
C-STRM-3_(1)_(1)_(C-STRM) 509_(C-STRM)	508_(C-STRM)	CONDUIT	45.5	0.4989	0.0130	
C-STRM-3_(1)_(2)_(C-STRM) 510_(C-STRM)	509_(C-STRM)	CONDUIT	55.7	0.4507	0.0130	
C-STRM-3_(1)_(C-STRM) 511_(C-STRM)	510_(C-STRM)	CONDUIT	14.5	0.4469	0.0130	
C-STRM-33_(1)_(C-STRM) 646_(C-STRM)	645_(C-STRM)	CONDUIT	91.0	0.1505	0.0130	
C-STRM-33_(C-STRM) 647_(C-STRM)	646_(C-STRM)	CONDUIT	92.9	0.1496	0.0130	
C-STRM-34_(1)_(1)_(C-STRM) 555_(C-STRM)	554_(C-STRM)	CONDUIT	75.2	0.1596	0.0130	
C-STRM-34_(1)_(C-STRM) 556_(C-STRM)	555_(C-STRM)	CONDUIT	75.2	0.1596	0.0130	
C-STRM-35_(1)_(C-STRM) 553_(C-STRM)	552_(C-STRM)	CONDUIT	72.1	0.1596	0.0130	
C-STRM-35_(C-STRM) 554_(C-STRM)	553_(C-STRM)	CONDUIT	72.0	0.1611	0.0130	
C-STRM-4_(1)_(C-STRM) 504_(C-STRM)	503_(C-STRM)	CONDUIT	83.2	0.6007	0.0130	
C-STRM-4_(C-STRM) 505_(C-STRM)	504_(C-STRM)	CONDUIT	84.0	0.4998	0.0130	
C-STRM-46_(1)_(1)_(C-STRM) 650_(C-STRM)	651_(C-STRM)	CONDUIT	68.0	0.1500	0.0130	
C-STRM-46_(1)_(C-STRM) 619_(C-STRM)	650_(C-STRM)	CONDUIT	89.7	0.1506	0.0130	
C-STRM-49_(C-STRM) 541_(C-STRM)	540_(C-STRM)	CONDUIT	47.7	0.1508	0.0130	
C-STRM-50_(C-STRM) 540_(C-STRM)	536_(C-STRM)	CONDUIT	72.0	0.1500	0.0130	
C-STRM-51_(C-STRM) 536_(C-STRM)	532_(C-STRM)	CONDUIT	48.5	0.1505	0.0130	
C-STRM-52_(C-STRM) 532_(C-STRM)	528_(C-STRM)	CONDUIT	69.0	0.1507	0.0130	
C-STRM-53_(C-STRM) 528_(C-STRM)	525_(C-STRM)	CONDUIT	75.0	0.1493	0.0130	
C-STRM-57_(C-STRM) 503_(C-STRM)	502_(C-STRM)	CONDUIT	27.5	0.1489	0.0130	
C-STRM-60_(C-STRM) 644_(C-STRM)	643_(C-STRM)	CONDUIT	67.2	0.2486	0.0130	
C-STRM-62_(C-STRM) 520_(C-STRM)	519_(C-STRM)	CONDUIT	95.9	0.2003	0.0130	
C-STRM-63_(C-STRM) 519_(C-STRM)	518_(C-STRM)	CONDUIT	97.4	0.1498	0.0130	
C-STRM-64_(C-STRM) 522_(C-STRM)	EXD_1	CONDUIT	81.9	0.2504	0.0130	
C-STRM-76_(C-STRM) 525_(C-STRM)	MTD_(C-STRM)	CONDUIT	72.6	0.1998	0.0130	
C-STRM-77_(C-STRM) MTD_(C-STRM)	OVERFLOW_(C-STRM)	CONDUIT	38.5	0.4986	0.0130	
C-STRM-78_(C-STRM) 502_(C-STRM)	MTD_(C-STRM)	CONDUIT	44.0	0.3003	0.0130	
C-STRM-79_(1)_(C-STRM) 604_(C-STRM)	603_(C-STRM)	CONDUIT	72.0	0.1000	0.0130	
C-STRM-79_(C-STRM) 605_(C-STRM)	604_(C-STRM)	CONDUIT	89.5	0.1508	0.0130	
C-STRM-8_(1)_(C-STRM) 514_(C-STRM)	513_(C-STRM)	CONDUIT	95.2	0.1997	0.0130	
C-STRM-8_(C-STRM) 515_(C-STRM)	514_(C-STRM)	CONDUIT	95.1	0.1997	0.0130	
C-STRM-80_(C-STRM) 603_(C-STRM)	602_(C-STRM)	CONDUIT	74.3	0.0996	0.0130	
C-STRM-81_(C-STRM) 602_(C-STRM)	601_(C-STRM)	CONDUIT	46.7	0.1007	0.0130	
C-STRM-82_(C-STRM) 601_(C-STRM)	POND_(C-STRM)	CONDUIT	33.0	0.1000	0.0130	
C-STRM-83_(1)_(C-STRM) 630A_(C-STRM)	630_(C-STRM)	CONDUIT	27.1	0.1513	0.0130	
C-STRM-84_(C-STRM) 622_(C-STRM)	619_(C-STRM)	CONDUIT	75.0	0.1493	0.0130	
C-STRM-87_(C-STRM) 645_(C-STRM)	644_(C-STRM)	CONDUIT	68.6	0.2494	0.0130	
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875	0.0130
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114	0.0130
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110	0.0130
ST4-Pipe_-_(99)_(P-Stm) J74	ST4_108A_(P-Stm)	CONDUIT	49.3	0.2840	0.0130	
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063	0.0250

OR1	POND_(C-STRM)	J74	ORIFICE
OR2	POND_(C-STRM)	J74	ORIFICE
W10	637_(C-STRM)	J35	WEIR
W11	633_(C-STRM)	J49	WEIR
W12	S_652-604	J47	WEIR
W13	S_545-541	J3	WEIR
W14	S_540-536	J3	WEIR
W15	S_536-532	J4	WEIR
W16	S_532-528	J5	WEIR
W17	S_528-525	J6	WEIR
W2	POND_(C-STRM)	OF1	WEIR
W3	S_507-503	J47	WEIR
W4	S_627-630	J23	WEIR
W5	S_525-MTD	J13	WEIR
W6	S_623-622	J31	WEIR
W7	S_620-619	J61	WEIR
W8	S_607-605	J50	WEIR
W9	S_622-619	J31	WEIR
C-STRM-108_(1)_(C-STRM) 633_(C-STRM)	634_(C-STRM)	OUTLET	
C-STRM-14_(1)_(C-STRM) S_607-605	605_(C-STRM)	OUTLET	
C-STRM-27_(C-STRM) S_623-622	622_(C-STRM)	OUTLET	
C-STRM-42_(C-STRM) S_545-541	541_(C-STRM)	OUTLET	
C-STRM-44_(1)_(C-STRM) S_525-MTD	525_(C-STRM)	OUTLET	
C-STRM-45_(1)_(C-STRM) S_620-619	619_(C-STRM)	OUTLET	
C-STRM-61_(C-STRM) 637_(C-STRM)	643_(C-STRM)	OUTLET	
C-STRM-71_(C-STRM) Industrial_South 647_(C-STRM)	OUTLET		
C-STRM-83_(C-STRM) Industrial_NORTH 630A_(C-STRM)	OUTLET		
C-STRM-93_(C-STRM) S_540-536	540_(C-STRM)	OUTLET	
C-STRM-96_(1)_(C-STRM) S_536-532	536_(C-STRM)	OUTLET	
C-STRM-97_(1)_(C-STRM) S_532-528	532_(C-STRM)	OUTLET	
C-STRM-98_(1)_(C-STRM) S_528-525	528_(C-STRM)	OUTLET	
OL1	S_622-619	622_(C-STRM)	OUTLET
OL10	Filter_Bed	POND_(C-STRM)	OUTLET
OL11	J50	505_(C-STRM)	OUTLET
OL12	J60	506_(C-STRM)	OUTLET
OL13	J58	511_(C-STRM)	OUTLET
OL14	J57	513_(C-STRM)	OUTLET
OL15	J28	518_(C-STRM)	OUTLET
OL16	J2	522_(C-STRM)	OUTLET
OL17	J27	520_(C-STRM)	OUTLET
OL18	J19	647_(C-STRM)	OUTLET
OL19	J20	646_(C-STRM)	OUTLET
OL2	J35	553_(C-STRM)	OUTLET
OL20	S_504-503	504_(C-STRM)	OUTLET
OL21	PARK	602_(C-STRM)	OUTLET
OL22	J21	645_(C-STRM)	OUTLET
OL3	J38	552_(C-STRM)	OUTLET
OL4	J42	502_(C-STRM)	OUTLET
OL5	J43	503_(C-STRM)	OUTLET

OL6	Woodlot_North	626_(C-STRM)	OUTLET	
OL7	S_627-630	627_(C-STRM)	OUTLET	
OL8	S_652-604	652_(C-STRM)	OUTLET	
OL9	J47	504_(C-STRM)	OUTLET	

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-200_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2387	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4815	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1130	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912

0.3975 0.4038 0.4101 0.4147 0.4188
0.4228 0.4269 0.4309 0.4350 0.4390
0.4430 0.4471 0.4511 0.4552 0.4592
0.4633 0.4673 0.4719 0.4786 0.4852
0.4919 0.4986 0.5052 0.5119 0.5186
0.5252 0.5375 0.5591 0.5808 0.6126
0.6529 0.7560 0.7953 0.8372 1.0000

Transect Barnsdale_UPST5
Area:
0.0011 0.0046 0.0104 0.0185 0.0278
0.0383 0.0495 0.0612 0.0736 0.0865
0.1000 0.1141 0.1288 0.1443 0.1606
0.1778 0.1959 0.2143 0.2330 0.2518
0.2709 0.2903 0.3099 0.3296 0.3497
0.3699 0.3904 0.4111 0.4319 0.4530
0.4743 0.4958 0.5175 0.5395 0.5616
0.5839 0.6064 0.6292 0.6521 0.6753
0.6991 0.7235 0.7484 0.7740 0.8019
0.8364 0.8742 0.9142 0.9560 1.0000
Hrad:
0.0248 0.0493 0.0735 0.1040 0.1389
0.1735 0.2124 0.2498 0.2859 0.3209
0.3550 0.3881 0.4187 0.4434 0.4680
0.4924 0.5212 0.5606 0.5992 0.6372
0.6745 0.7111 0.7472 0.7827 0.8176
0.8520 0.8860 0.9202 0.9539 0.9872
1.0201 1.0525 1.0845 1.1162 1.1474
1.1784 1.2090 1.2392 1.2691 1.2876
1.2994 1.3117 1.3244 1.3163 1.1702
1.0461 1.0307 1.0260 1.0309 1.0000
Width:
0.0497 0.0999 0.1518 0.1903 0.2141
0.2355 0.2481 0.2607 0.2733 0.2859
0.2985 0.3111 0.3252 0.3438 0.3625
0.3813 0.3961 0.4010 0.4059 0.4108
0.4157 0.4206 0.4255 0.4303 0.4352
0.4401 0.4450 0.4494 0.4538 0.4583
0.4627 0.4716 0.4761 0.4805 0.4850
0.4894 0.4938 0.4983 0.5078 0.5204
0.5330 0.5457 0.5684 0.6711 0.7919
0.8423 0.8866 0.9238 1.0000

Transect Barnsdale_UPST6
Area:
0.0014 0.0054 0.0102 0.0156 0.0217
0.0284 0.0356 0.0434 0.0517 0.0605
0.0698 0.0796 0.0899 0.1007 0.1121
0.1243 0.1373 0.1512 0.1656 0.1807
0.1962 0.2123 0.2291 0.2483 0.2703
0.2945 0.3189 0.3434 0.3680 0.3929
0.4178 0.4430 0.4687 0.4947 0.5212
0.5482 0.5760 0.6046 0.6335 0.6626
0.6921 0.7218 0.7518 0.7820 0.8133
0.8461 0.8801 0.9163 0.9564 1.0000
Hrad:
0.0226 0.0600 0.0982 0.1332 0.1659
0.1974 0.2291 0.2613 0.2925 0.3228
0.3524 0.3813 0.4096 0.4373 0.4557
0.4729 0.4908 0.5133 0.5388 0.5667
0.5954 0.6238 0.6186 0.5790 0.5404
0.5828 0.6246 0.6659 0.7067 0.7469
0.7867 0.8189 0.8502 0.8811 0.9116
0.9331 0.9497 0.9763 1.0109 1.0452
1.0791 1.1126 1.1458 1.1787 1.1574
1.1642 1.1570 1.1256 1.0602 1.0000
Width:
0.0656 0.0958 0.1094 0.1231 0.1368
0.1501 0.1622 0.1729 0.1837 0.1944
0.2052 0.2159 0.2267 0.2377 0.2539
0.2715 0.2891 0.3043 0.3175 0.3291
0.3399 0.3507 0.3819 0.4435 0.5186
0.5219 0.5251 0.5284 0.5317 0.5350
0.5382 0.5468 0.5558 0.5647 0.5737
0.5886 0.6068 0.6185 0.6243 0.6301
0.6359 0.6475 0.6534 0.6932 0.7170
0.7512 0.8061 0.8978 1.0000

Transect Barnsdale_UPST7
Area:
0.0031 0.0077 0.0135 0.0206 0.0292
0.0385 0.0485 0.0590 0.0699 0.0811
0.0928 0.1047 0.1170 0.1297 0.1427
0.1561 0.1700 0.1843 0.1992 0.2145
0.2304 0.2467 0.2636 0.2810 0.3005
0.3224 0.3464 0.3708 0.3955 0.4204
0.4456 0.4710 0.4972 0.5239 0.5510
0.5784 0.6060 0.6340 0.6622 0.6907
0.7195 0.7487 0.7782 0.8081 0.8383
0.8691 0.9003 0.9322 0.9647 1.0000
Hrad:
0.0323 0.0624 0.0905 0.1084 0.1375
0.1686 0.1997 0.2314 0.2650 0.2977
0.3296 0.3608 0.3913 0.4212 0.4493
0.4751 0.5005 0.5247 0.5476 0.5703
0.5929 0.6154 0.6378 0.6601 0.5891
0.5938 0.5928 0.6266 0.6599 0.6927
0.7252 0.7701 0.7705 0.7948 0.8255
0.8559 0.8860 0.9157 0.9452 0.9727
1.0000 1.0270 1.0538 1.0784 1.1003
1.1221 1.1420 1.1557 1.1624 1.0000
Width:
0.0999 0.1304 0.1570 0.1994 0.2229
0.2396 0.2541 0.2664 0.2751 0.2837
0.2923 0.3010 0.3096 0.3183 0.3279
0.3390 0.3501 0.3618 0.3745 0.3872
0.3998 0.4124 0.4251 0.4377 0.5266
0.5610 0.6032 0.6092 0.6153 0.6213
0.6274 0.6399 0.6563 0.6692 0.6761
0.6830 0.6899 0.6967 0.7036 0.7118
0.7199 0.7281 0.7362 0.7458 0.7573
0.7688 0.7817 0.7991 0.8220 1.0000

Transect GBR
Area:
0.0002 0.0008 0.0018 0.0032 0.0051
0.0073 0.0099 0.0130 0.0164 0.0203
0.0245 0.0292 0.0343 0.0401 0.0532
0.0756 0.1002 0.1249 0.1496 0.1742
0.1989 0.2235 0.2482 0.2729 0.2975
0.3222 0.3468 0.3715 0.3962 0.4209
0.4460 0.4715 0.4974 0.5237 0.5505
0.5776 0.6051 0.6331 0.6614 0.6902
0.7193 0.7489 0.7789 0.8092 0.8400
0.8712 0.9028 0.9348 0.9672 1.0000
Hrad:
0.0148 0.0296 0.0444 0.0592 0.0741
0.0889 0.1037 0.1185 0.1333 0.1481
0.1629 0.1777 0.1925 0.1451 0.0889
0.0921 0.1222 0.1522 0.1821 0.2121
0.2420 0.2720 0.3019 0.3318 0.3616
0.3915 0.4213 0.4511 0.4809 0.5106
0.5398 0.5684 0.5963 0.6237 0.6505
0.6768 0.7026 0.7280 0.7529 0.7773
0.8013 0.8249 0.8480 0.8708 0.8932
0.9153 0.9369 0.9583 0.9793 1.0000
Width:
0.0123 0.0246 0.0369 0.0492 0.0614
0.0737 0.0860 0.0983 0.1106 0.1229
0.1352 0.1475 0.1598 0.2496 0.5446
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7542
0.7665 0.7788 0.7911 0.8034 0.8157
0.8280 0.8402 0.8525 0.8648 0.8771
0.8894 0.9017 0.9140 0.9263 0.9386
0.9508 0.9631 0.9754 0.9877 1.0000

Transect Pond_SpillWay
Area:
0.0040 0.0088 0.0142 0.0204 0.0274
0.0350 0.0434 0.0524 0.0622 0.0728
0.0840 0.0960 0.1087 0.1221 0.1362
0.1511 0.1666 0.1829 0.2000 0.2177
0.2362 0.2554 0.2753 0.2959 0.3173
0.3393 0.3621 0.3856 0.4099 0.4348
0.4600 0.4855 0.5113 0.5375 0.5640
0.5908 0.6180 0.6454 0.6732 0.7013
0.7297 0.7585 0.7875 0.8169 0.8466
0.8767 0.9070 0.9377 0.9687 1.0000
Hrad:
0.0187 0.0367 0.0543 0.0716 0.0888
0.1059 0.1230 0.1400 0.1570 0.1740
0.1910 0.2080 0.2251 0.2421 0.2592
0.2763 0.2935 0.3106 0.3278 0.3450
0.3622 0.3795 0.3967 0.4140 0.4313
0.4486 0.4660 0.4833 0.5007 0.5241
0.5500 0.5758 0.6013 0.6266 0.6517
0.6766 0.7013 0.7257 0.7498 0.7737
0.7974 0.8209 0.8441 0.8670 0.8898
0.9123 0.9345 0.9566 0.9784 1.0000
Width:
0.1394 0.1623 0.1853 0.2082 0.2311
0.2541 0.2770 0.2999 0.3229 0.3458
0.3687 0.3917 0.4146 0.4375 0.4605
0.4834 0.5063 0.5293 0.5522 0.5751
0.5981 0.6210 0.6439 0.6669 0.6898
0.7127 0.7357 0.7586 0.7815 0.7956
0.8059 0.8161 0.8263 0.8365 0.8467
0.8569 0.8672 0.8774 0.8876 0.8978
0.9080 0.9183 0.9285 0.9387 0.9489
0.9591 0.9693 0.9796 0.9898 1.0000

Transect ROW_14m
Area:
0.0004 0.0017 0.0038 0.0067 0.0104
0.0150 0.0204 0.0267 0.0338 0.0417
0.0504 0.0597 0.0704 0.0817 0.0938
0.1067 0.1204 0.1350 0.1504 0.1667
0.1838 0.2017 0.2204 0.2400 0.2605
0.2817 0.3038 0.3267 0.3502 0.3738
0.3973 0.4209 0.4446 0.4692 0.4952
0.5225 0.5510 0.5808 0.6118 0.6439
0.6767 0.7100 0.7440 0.7787 0.8140
0.8499 0.8865 0.9237 0.9615 1.0000
Hrad:
0.0169 0.0338 0.0507 0.0677 0.0846
0.1015 0.1184 0.1353 0.1522 0.1692
0.1861 0.2030 0.2199 0.2368 0.2537
0.2707 0.2876 0.3045 0.3214 0.3383
0.3552 0.3722 0.3891 0.4060 0.4229
0.4398 0.4567 0.4736 0.5027 0.5359
0.5691 0.6022 0.6353 0.6667 0.6957
0.7226 0.7474 0.7704 0.7918 0.8123
0.8326 0.8526 0.8721 0.8914 0.9103
0.9289 0.9471 0.9651 0.9827 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6200 0.6529 0.6857
0.7186 0.7514 0.7843 0.8171 0.8357
0.8521 0.8686 0.8850 0.9014 0.9179
0.9343 0.9507 0.9671 0.9836 1.0000

Transect ROW_14m_Mountable
Area:
0.0003 0.0012 0.0028 0.0049 0.0077
0.0111 0.0151 0.0197 0.0249 0.0307
0.0372 0.0442 0.0519 0.0602 0.0691
0.0787 0.0888 0.0996 0.1109 0.1229
0.1355 0.1485 0.1625 0.1770 0.1923
0.2092 0.2277 0.2477 0.2693 0.2924
0.3170 0.3433 0.3711 0.4004 0.4310
0.4626 0.4954 0.5293 0.5642 0.6002
0.6373 0.6755 0.7144 0.7538 0.7936
0.8340 0.8748 0.9160 0.9578 1.0000
Hrad:
0.0222 0.0445 0.0667 0.0889 0.1111
0.1334 0.1556 0.1778 0.2001 0.2223
0.2445 0.2667 0.2890 0.3112 0.3334
0.3556 0.3779 0.4001 0.4223 0.4446
0.4668 0.4890 0.5112 0.5335 0.5550
0.5733 0.5891 0.6029 0.6151 0.6263
0.6367 0.6465 0.6559 0.6653 0.6759
0.6872 0.6992 0.7116 0.7245 0.7378
0.7514 0.7663 0.7966 0.8266 0.8563
0.8856 0.9147 0.9434 0.9719 1.0000
Width:
0.0145 0.0290 0.0434 0.0579 0.0724
0.0869 0.1013 0.1158 0.1303 0.1448
0.1593 0.1737 0.1882 0.2027 0.2172
0.2316 0.2461 0.2606 0.2751 0.2896
0.3040 0.3185 0.3330 0.3475 0.3798
0.4164 0.4530 0.4897 0.5263 0.5629
0.5995 0.6362 0.6728 0.7080 0.7335
0.7591 0.7846 0.8102 0.8357 0.8613
0.8868 0.9114 0.9225 0.9336 0.9446
0.9557 0.9668 0.9779 0.9889 1.0000

Transect ROW_14m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0153 0.0209 0.0273 0.0345 0.0426
0.0516 0.0614 0.0721 0.0836 0.0959
0.1091 0.1232 0.1381 0.1539 0.1705
0.1880 0.2064 0.2255 0.2456 0.2665
0.2882 0.3108 0.3343 0.3583 0.3824
0.4065 0.4306 0.4548 0.4797 0.5055
0.5322 0.5598 0.5883 0.6176 0.6479
0.6791 0.7112 0.7441 0.7780 0.8127
0.8484 0.8850 0.9224 0.9608 1.0000
Hrad:
0.0166 0.0332 0.0498 0.0664 0.0830
0.0997 0.1163 0.1329 0.1495 0.1661
0.1827 0.1993 0.2159 0.2325 0.2491
0.2657 0.2823 0.2990 0.3156 0.3322
0.3488 0.3654 0.3820 0.3986 0.4152
0.4318 0.4484 0.4650 0.4935 0.5262
0.5588 0.5913 0.6238 0.6553 0.6853
0.7137 0.7407 0.7664 0.7909 0.8143
0.8366 0.8579 0.8783 0.8979 0.9166
0.9346 0.9519 0.9685 0.9845 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6160 0.6386 0.6612
0.6838 0.7063 0.7289 0.7515 0.7741
0.7967 0.8193 0.8419 0.8645 0.8871
0.9096 0.9322 0.9548 0.9774 1.0000

Transect ROW_14m-MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0407 0.0484 0.0568 0.0659 0.0757
0.0861 0.0972 0.1089 0.1214 0.1345
0.1483 0.1631 0.1791 0.1963 0.2146
0.2342 0.2549 0.2768 0.2999 0.3242
0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274

0.6618 0.6967 0.7326 0.7693 0.8064
0.8441 0.8823 0.9210 0.9603 1.0000

Hrad:

0.0198 0.0396 0.0594 0.0792 0.0990
0.1188 0.1386 0.1584 0.1782 0.1980
0.2178 0.2376 0.2574 0.2772 0.2971
0.3169 0.3367 0.3565 0.3763 0.3961
0.4159 0.4347 0.4520 0.4681 0.4834
0.4979 0.5119 0.5256 0.5389 0.5521
0.5650 0.5779 0.5907 0.6035 0.6162
0.6289 0.6560 0.6844 0.7123 0.7397
0.7667 0.7933 0.8190 0.8459 0.8726
0.8988 0.9247 0.9501 0.9752 1.0000

Width:

0.0168 0.0336 0.0504 0.0673 0.0841
0.1009 0.1177 0.1345 0.1513 0.1681
0.1849 0.2018 0.2186 0.2354 0.2522
0.2690 0.2858 0.3026 0.3195 0.3363
0.3552 0.3849 0.4146 0.4442 0.4739
0.5036 0.5332 0.5629 0.5926 0.6223
0.6519 0.6816 0.7113 0.7409 0.7706
0.8003 0.8150 0.8279 0.8407 0.8536
0.8664 0.8836 0.9093 0.9229 0.9357
0.9486 0.9614 0.9743 0.9871 1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003 0.0012 0.0027 0.0048 0.0074
0.0107 0.0145 0.0190 0.0240 0.0297
0.0359 0.0428 0.0502 0.0582 0.0668
0.0760 0.0858 0.0962 0.1072 0.1188
0.1307 0.1437 0.1571 0.1710 0.1856
0.2012 0.2183 0.2369 0.2570 0.2786
0.3017 0.3263 0.3524 0.3800 0.4091
0.4397 0.4719 0.5055 0.5406 0.5772
0.6153 0.6544 0.6944 0.7354 0.7772
0.8199 0.8636 0.9082 0.9536 1.0000

Hrad:

0.0233 0.0465 0.0698 0.0931 0.1163
0.1396 0.1628 0.1861 0.2094 0.2326
0.2559 0.2792 0.3024 0.3257 0.3489
0.3722 0.3955 0.4187 0.4420 0.4653
0.4885 0.5118 0.5350 0.5583 0.5816
0.6036 0.6224 0.6386 0.6529 0.6657
0.6773 0.6882 0.6985 0.7084 0.7180
0.7275 0.7370 0.7464 0.7559 0.7655
0.7817 0.8084 0.8343 0.8597 0.8844
0.9085 0.9321 0.9552 0.9779 1.0000

Width:

0.0127 0.0254 0.0380 0.0507 0.0634
0.0761 0.0888 0.1014 0.1141 0.1268
0.1395 0.1522 0.1648 0.1775 0.1902
0.2029 0.2156 0.2283 0.2409 0.2536
0.2663 0.2790 0.2917 0.3043 0.3170
0.3491 0.3812 0.4132 0.4453 0.4774
0.5095 0.5415 0.5736 0.6057 0.6378
0.6698 0.7019 0.7340 0.7661 0.7981
0.8255 0.8448 0.8642 0.8836 0.9030
0.9224 0.9418 0.9612 0.9806 1.0000

Transect ROW_16.5m_PH3

Area:

0.0004 0.0017 0.0039 0.0069 0.0107
0.0154 0.0210 0.0275 0.0347 0.0429
0.0519 0.0618 0.0725 0.0841 0.0965
0.1098 0.1240 0.1390 0.1548 0.1716
0.1892 0.2076 0.2269 0.2471 0.2677
0.2884 0.3090 0.3297 0.3510 0.3731
0.3962 0.4201 0.4449 0.4705 0.4971
0.5245 0.5527 0.5819 0.6119 0.6428
0.6746 0.7073 0.7408 0.7752 0.8105
0.8466 0.8837 0.9216 0.9603 1.0000

Hrad:

0.0173 0.0347 0.0520 0.0694 0.0867
0.1041 0.1214 0.1388 0.1561 0.1735
0.1908 0.2082 0.2255 0.2429 0.2602
0.2776 0.2949 0.3123 0.3296 0.3470
0.3643 0.3817 0.3990 0.4164 0.4493
0.4834 0.5173 0.5513 0.5844 0.6155
0.6449 0.6727 0.6990 0.7239 0.7475
0.7699 0.7913 0.8116 0.8310 0.8496
0.8673 0.8843 0.9007 0.9164 0.9316
0.9462 0.9603 0.9739 0.9872 1.0000

Width:

0.0214 0.0428 0.0642 0.0856 0.1070
0.1284 0.1498 0.1712 0.1926 0.2140
0.2354 0.2568 0.2782 0.2996 0.3210
0.3424 0.3638 0.3852 0.4066 0.4280
0.4494 0.4708 0.4922 0.5136 0.5152
0.5152 0.5152 0.5200 0.5418 0.5636
0.5855 0.6073 0.6291 0.6509 0.6727
0.6945 0.7164 0.7382 0.7600 0.7818
0.8036 0.8255 0.8473 0.8691 0.8909
0.9127 0.9345 0.9564 0.9782 1.0000

Transect ROW_18m

Area:

0.0004 0.0016 0.0036 0.0064 0.0100
0.0144 0.0196 0.0255 0.0323 0.0399
0.0483 0.0575 0.0675 0.0782 0.0898
0.1022 0.1154 0.1293 0.1441 0.1597
0.1760 0.1932 0.2112 0.2299 0.2495
0.2698 0.2906 0.3114 0.3321 0.3529
0.3742 0.3967 0.4204 0.4452 0.4712
0.4983 0.5266 0.5560 0.5867 0.6184
0.6514 0.6855 0.7207 0.7571 0.7947
0.8335 0.8734 0.9144 0.9566 1.0000

Hrad:

0.0183 0.0366 0.0549 0.0732 0.0915
0.1098 0.1281 0.1464 0.1647 0.1829
0.2012 0.2195 0.2378 0.2561 0.2744
0.2927 0.3110 0.3293 0.3476 0.3659
0.3842 0.4025 0.4208 0.4391 0.4574
0.4757 0.5117 0.5476 0.5834 0.6192
0.6542 0.6864 0.7162 0.7437 0.7692
0.7927 0.8145 0.8348 0.8537 0.8713
0.8877 0.9031 0.9176 0.9313 0.9442
0.9565 0.9681 0.9792 0.9898 1.0000

Width:

0.0182 0.0363 0.0545 0.0726 0.0908
0.1090 0.1271 0.1453 0.1635 0.1816
0.1998 0.2179 0.2361 0.2543 0.2724
0.2906 0.3088 0.3269 0.3451 0.3632
0.3814 0.3996 0.4177 0.4359 0.4541
0.4722 0.4722 0.4722 0.4722 0.4722
0.4986 0.5250 0.5514 0.5778 0.6042
0.6306 0.6833 0.7097 0.7361 0.8681
0.7625 0.7889 0.8153 0.8417 0.8681
0.8944 0.9208 0.9472 0.9736 1.0000

Transect ROW_18m_MB_1

Area:

0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:

0.0198 0.0396 0.0594 0.0793 0.0991
0.1189 0.1387 0.1585 0.1783 0.1982
0.2180 0.2378 0.2576 0.2774 0.2972
0.3166 0.3340 0.3498 0.3646 0.3786
0.3921 0.4053 0.4183 0.4311 0.4439
0.4566 0.4770 0.5054 0.5332 0.5603
0.5869 0.6122 0.6360 0.6586 0.6807
0.7040 0.7271 0.7499 0.7723 0.7944
0.8163 0.8378 0.8591 0.8800 0.9007
0.9211 0.9412 0.9611 0.9807 1.0000

Width:

0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_MB_2

Area:

0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0406 0.0484 0.0568 0.0658 0.0756
0.0861 0.0978 0.1107 0.1247 0.1400
0.1564 0.1740 0.1928 0.2128 0.2340
0.2564 0.2798 0.3039 0.3285 0.3536
0.3793 0.4059 0.4335 0.4621 0.4918
0.5221 0.5529 0.5842 0.6160 0.6484
0.6812 0.7146 0.7485 0.7828 0.8178
0.8532 0.8891 0.9256 0.9625 1.0000

Hrad:

0.0198 0.0395 0.0593 0.0791 0.0989
0.1186 0.1384 0.1582 0.1780 0.1977
0.2185 0.2373 0.2571 0.2768 0.2966
0.3160 0.3333 0.3491 0.3638 0.3778
0.3913 0.4045 0.4174 0.4302 0.4430
0.4557 0.4760 0.5044 0.5321 0.5592
0.5857 0.6109 0.6347 0.6572 0.6793
0.7027 0.7258 0.7486 0.7711 0.7933
0.8152 0.8368 0.8581 0.8792 0.9000
0.9205 0.9408 0.9608 0.9805 1.0000

Width:

0.0178 0.0356 0.0534 0.0712 0.0890
0.1068 0.1246 0.1424 0.1602 0.1780
0.1958 0.2136 0.2314 0.2492 0.2670
0.2942 0.3256 0.3571 0.3885 0.4199
0.4513 0.4827 0.5141 0.5455 0.5769
0.6083 0.6314 0.6450 0.6586 0.6722
0.6911 0.7183 0.7456 0.7728 0.7958
0.8094 0.8231 0.8367 0.8503 0.8639
0.8775 0.8911 0.9047 0.9183 0.9319
0.9456 0.9592 0.9728 0.9864 1.0000

Transect ROW_18m_Mountable

Area:

0.0003 0.0011 0.0026 0.0046 0.0072
0.0103 0.0140 0.0183 0.0232 0.0286
0.0346 0.0412 0.0484 0.0561 0.0644
0.0733 0.0827 0.0928 0.1034 0.1145
0.1263 0.1386 0.1515 0.1650 0.1799
0.1964 0.2143 0.2337 0.2546 0.2770
0.3009 0.3263 0.3532 0.3816 0.4115
0.4429 0.4758 0.5102 0.5459 0.5826
0.6202 0.6587 0.6981 0.7385 0.7797
0.8219 0.8651 0.9091 0.9541 1.0000

Hrad:

0.0235 0.0471 0.0706 0.0942 0.1177
0.1413 0.1648 0.1884 0.2119 0.2355
0.2590 0.2826 0.3061 0.3297 0.3532
0.3768 0.4003 0.4238 0.4474 0.4709
0.4945 0.5180 0.5416 0.5650 0.5852
0.6022 0.6168 0.6296 0.6410 0.6515
0.6613 0.6707 0.6799 0.6889 0.6979
0.7069 0.7161 0.7253 0.7478 0.7737
0.7989 0.8234 0.8474 0.8707 0.8935
0.9157 0.9375 0.9588 0.9796 1.0000

Width:

0.0124 0.0247 0.0371 0.0494 0.0618
0.0741 0.0865 0.0988 0.1112 0.1235
0.1359 0.1482 0.1606 0.1729 0.1853
0.1976 0.2100 0.2223 0.2347 0.2470
0.2594 0.2717 0.2841 0.3058 0.3381
0.3704 0.4027 0.4349 0.4672 0.4995
0.5318 0.5641 0.5964 0.6287 0.6610
0.6933 0.7255 0.7578 0.7807 0.8006
0.8206 0.8405 0.8604 0.8804 0.9003
0.9202 0.9402 0.9601 0.9801 1.0000

Transect ROW_18m_PH3

Area:

0.0004 0.0017 0.0038 0.0068 0.0107
0.0154 0.0209 0.0273 0.0346 0.0427
0.0516 0.0614 0.0721 0.0836 0.0960
0.1092 0.1233 0.1382 0.1540 0.1707
0.1882 0.2065 0.2256 0.2447 0.2638
0.2830 0.3026 0.3232 0.3447 0.3670
0.3903 0.4144 0.4394 0.4653 0.4921
0.5197 0.5483 0.5777 0.6080 0.6392
0.6713 0.7043 0.7382 0.7729 0.8085
0.8451 0.8825 0.9208 0.9599 1.0000

Hrad:

0.0179 0.0359 0.0538 0.0717 0.0896
0.1076 0.1255 0.1434 0.1613 0.1793
0.1972 0.2151 0.2330 0.2510 0.2689
0.2868 0.3047 0.3227 0.3406 0.3585
0.3764 0.3944 0.4225 0.4577 0.4928
0.5279 0.5621 0.5942 0.6243 0.6525
0.6791 0.7042 0.7279 0.7504 0.7716
0.7918 0.8110 0.8292 0.8467 0.8634
0.8794 0.8948 0.9095 0.9238 0.9375
0.9508 0.9636 0.9761 0.9882 1.0000

Width:

0.0211 0.0421 0.0632 0.0843 0.1053
0.1264 0.1475 0.1685 0.1896 0.2107
0.2318 0.2528 0.2739 0.2950 0.3160
0.3371 0.3582 0.3792 0.4003 0.4214
0.4424 0.4635 0.4722 0.4722 0.4722
0.4752 0.4971 0.5190 0.5408 0.5627
0.5846 0.6064 0.6283 0.6502 0.6720
0.6939 0.7158 0.7376 0.7595 0.7813
0.8032 0.8251 0.8469 0.8688 0.8907
0.9125 0.9344 0.9563 0.9781 1.0000

Transect ROW_20m

Area:

0.0004 0.0016 0.0036 0.0063 0.0099
0.0142 0.0193 0.0253 0.0320 0.0395
0.0478 0.0568 0.0667 0.0774 0.0888
0.1011 0.1149 0.1279 0.1425 0.1579
0.1741 0.1911 0.2088 0.2274 0.2464
0.2654 0.2844 0.3034 0.3226 0.3431
0.3646 0.3874 0.4114 0.4365 0.4629
0.4904 0.5191 0.5490 0.5801 0.6123
0.6458 0.6804 0.7162 0.7532 0.7914
0.8307 0.8713 0.9130 0.9559 1.0000

Hrad:

0.0190 0.0380 0.0570 0.0760 0.0950
0.1141 0.1331 0.1521 0.1711 0.1901
0.2091 0.2281 0.2471 0.2661 0.2851
0.3041 0.3231 0.3422 0.3612 0.3802
0.3992 0.4182 0.4372 0.4562 0.4926
0.5299 0.5672 0.6043 0.6411 0.6750
0.7060 0.7344 0.7603 0.7841 0.8059
0.8259 0.8444 0.8615 0.8773 0.8920
0.9057 0.9186 0.9307 0.9421 0.9529
0.9632 0.9730 0.9823 0.9913 1.0000

Width:

0.0177 0.0353 0.0530 0.0707 0.0883
0.1060 0.1237 0.1413 0.1590 0.1767
0.1943 0.2120 0.2297 0.2473 0.2650
0.2827 0.3003 0.3180 0.3357 0.3533

0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4590 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.7164 0.7400 0.7636 0.7873
0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3981 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4385 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8880 0.8884 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4113 0.4493 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1970 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9305 0.9395 0.8568 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6500 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2112 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4172 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8745 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1863 0.2081 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4928 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017
0.3227 0.3453 0.3685 0.3919 0.4155
0.4393 0.4633 0.4875 0.5118 0.5364
0.5615 0.5871 0.6133 0.6408 0.6690
0.6977 0.7269 0.7568 0.7876 0.8192

0.8516	0.8851	0.9205	0.9583	1.0000

Hrad:

0.0356	0.0671	0.0952	0.1219	0.1526
0.1825	0.2111	0.2388	0.2457	0.2281
0.2626	0.2959	0.3290	0.3614	0.3872
0.4105	0.4302	0.4402	0.4405	0.4805
0.5198	0.5573	0.5905	0.6232	0.6553
0.6869	0.6742	0.7110	0.7474	0.7833
0.8187	0.8537	0.8883	0.9224	0.9509
0.9733	0.9956	1.0049	1.0036	1.0287
1.0536	1.0784	1.0896	1.1008	1.1169
1.1330	1.1274	1.1025	1.0707	1.0000

Width:

0.0541	0.0732	0.0923	0.1110	0.1246
0.1374	0.1502	0.1630	0.1916	0.2527
0.2652	0.2777	0.2895	0.3012	0.3179
0.3368	0.3586	0.3902	0.4339	0.4377
0.4416	0.4466	0.4547	0.4628	0.4709
0.4791	0.5224	0.5268	0.5312	0.5356
0.5400	0.5444	0.5488	0.5532	0.5611
0.5729	0.5847	0.6049	0.6332	0.6440
0.6548	0.6656	0.6857	0.7062	0.7236
0.7412	0.7753	0.8268	0.8894	1.0000

Transect Upstream5

Area:

0.0012	0.0039	0.0075	0.0122	0.0185
0.0256	0.0332	0.0413	0.0500	0.0592
0.0689	0.0792	0.0900	0.1012	0.1130
0.1251	0.1375	0.1502	0.1632	0.1765
0.1902	0.2041	0.2184	0.2330	0.2480
0.2635	0.2798	0.2968	0.3145	0.3331
0.3525	0.3727	0.3942	0.4178	0.4431
0.4698	0.4988	0.5309	0.5639	0.5984
0.6349	0.6722	0.7101	0.7485	0.7872
0.8265	0.8666	0.9084	0.9530	1.0000

Hrad:

0.0281	0.0626	0.0927	0.1114	0.1369
0.1752	0.2115	0.2463	0.2799	0.3124
0.3424	0.3749	0.4068	0.4379	0.4694
0.5056	0.5411	0.5759	0.6102	0.6439
0.6771	0.7099	0.7421	0.7699	0.7956
0.8104	0.8232	0.8370	0.8495	0.8616
0.8746	0.8886	0.8484	0.8428	0.8418
0.8363	0.8155	0.8068	0.8309	0.8203
0.8497	0.8801	0.9176	0.9547	0.9913
1.0230	1.0475	1.0267	1.0168	1.0000

Width:

0.0449	0.0640	0.0831	0.1124	0.1386
0.1495	0.1603	0.1712	0.1820	0.1929
0.2048	0.2146	0.2243	0.2341	0.2433
0.2496	0.2559	0.2622	0.2684	0.2747
0.2810	0.2873	0.2936	0.3016	0.3105
0.3241	0.3390	0.3539	0.3698	0.3865
0.4032	0.4199	0.4663	0.4984	0.5298
0.5663	0.6178	0.6645	0.6844	0.7354
0.7522	0.7679	0.7768	0.7857	0.7946
0.8074	0.8259	0.8838	0.9366	1.0000

Transect Upstream6

Area:

0.0020	0.0057	0.0101	0.0154	0.0216
0.0285	0.0362	0.0446	0.0534	0.0628
0.0726	0.0829	0.0939	0.1054	0.1174
0.1299	0.1429	0.1564	0.1705	0.1850
0.2000	0.2153	0.2310	0.2472	0.2637
0.2808	0.2986	0.3172	0.3364	0.3564
0.3786	0.4016	0.4255	0.4503	0.4760
0.5026	0.5304	0.5593	0.5897	0.6214
0.6541	0.6875	0.7215	0.7561	0.7915
0.8280	0.8671	0.9077	0.9506	1.0000

Hrad:

0.0333	0.0728	0.1080	0.1404	0.1714
0.2022	0.2321	0.2687	0.3047	0.3396
0.3717	0.4020	0.4318	0.4612	0.4948
0.5246	0.5534	0.5820	0.6106	0.6422
0.6773	0.7100	0.7423	0.7742	0.8057
0.8224	0.8398	0.8578	0.8777	0.8995
0.8582	0.8792	0.8979	0.9152	0.9365
0.9490	0.9612	0.9727	0.9697	0.9916
1.0145	1.0496	1.0816	1.1092	1.1367
1.1540	1.1196	1.1309	1.0883	1.0000

Width:

0.0616	0.0785	0.0947	0.1108	0.1267
0.1418	0.1569	0.1666	0.1758	0.1850
0.1952	0.2062	0.2171	0.2280	0.2365
0.2466	0.2570	0.2674	0.2776	0.2853
0.2930	0.3007	0.3084	0.3161	0.3238
0.3379	0.3520	0.3661	0.3797	0.4163
0.4379	0.4535	0.4707	0.4888	0.5050
0.5264	0.5485	0.5718	0.6051	0.6237
0.6417	0.6518	0.6637	0.6783	0.6930
0.7329	0.7718	0.8002	0.8718	1.0000

```
***************
Analysis Options
***************
Flow Units ..... CMS
Process Models:
  Rainfall/Runoff ..... YES
  RDII ..... NO
  Snowmelt ..... NO
  Groundwater ..... NO
  Flow Routing ..... YES
  Ponding Allowed ..... NO
  Water Quality ..... NO
Infiltration Method ..... HORTON
Flow Routing Method ..... DYNWAVE
Surcharge Method ..... EXTRAN
Starting Date ..... 08/08/1996 00:00:00
Ending Date ..... 08/09/1996 00:00:00
Antecedent Dry Days ..... 0.0
Report Time Step ..... 00:01:00
Wet Time Step ..... 00:01:00
Dry Time Step ..... 00:01:00
Routing Time Step ..... 1.00 sec
Variable Time Step ..... YES
Maximum Trials ..... 8
Number of Threads ..... 18
Head Tolerance ..... 0.001500 m

**************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
**************************  ----------  ----------
Total Precipitation .....         6.173      73.900
Evaporation Loss .....            0.000       0.000
Infiltration Loss .....           2.197      26.299
Surface Runoff .....              3.847      46.061
Final Storage .....               0.133       1.597
Continuity Error (%) .....        -0.077

**************************        Volume         Volume
Flow Routing Continuity        hectare-m       10^6 ltr
**************************  ----------  ----------
Dry Weather Inflow .....          0.000       0.000
Wet Weather Inflow .....          3.847      38.473
Groundwater Inflow .....          0.000       0.000
RDII Inflow .....                 0.000       0.000
External Inflow .....            0.000       0.000
External Outflow .....           3.028      30.279
Flooding Loss .....               0.000       0.000
Evaporation Loss .....            0.000       0.000
Exfiltration Loss .....           0.111       1.113
Initial Stored Volume ....        0.000       0.000
Final Stored Volume .....         0.708       7.082
Continuity Error (%) .....        -0.001

**************************
Highest Continuity Errors
**************************
Node 644_(C-STRM) (-12.43%)
Node J36 (11.17%)
Node J13 (10.66%)
Node J67 (10.46%)
Node J39 (8.00%)

***************************
Time-Step Critical Elements
***************************
None

*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-83_(C-STRM) (15)
Link C-STRM-71_(C-STRM) (9)
Link OL15 (8)
Link OL3 (7)
Link OL2 (7)

*********************************
Most Frequent Nonconverging Nodes
*********************************
Node OF1 (0.01%)
Node OF2 (0.01%)
Node OF3 (0.01%)
Node ST4_108A (P-Stm) (0.01%)
Node 556_(C-STRM) (0.00%)

*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.50 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.01
Time Step Frequencies       :
     1.000 -  0.871 sec     :    99.48 %
     0.871 -  0.758 sec     :     0.12 %
     0.758 -  0.660 sec     :     0.08 %
     0.660 -  0.574 sec     :     0.08 %
     0.574 -  0.500 sec     :     0.25 %

***************************
Subcatchment Runoff Summary
***************************
```

Subcatchment	Total Precip mm	Total Runon mm	Peak Runoff CMS	Runoff Coeff	Total Evap mm	Total Infil mm	Imperv Runoff mm	Perv Runoff mm	Total Runoff mm	Total Runoff 10^6 ltr
A15_1	73.90	0.00	0.00	0.326	41.19	13.73	10.37	24.10	24.10	0.32
A15_2	73.90	0.00	0.00	0.300	41.19	13.72	8.42	22.14	22.14	0.48
A18	73.90	0.00	0.00	0.548	32.89	28.35	12.11	40.46	40.46	0.24
A19	73.90	0.00	0.00	0.379	45.61	16.18	11.80	27.98	27.98	0.31
A20	73.90	0.00	0.00	0.218	52.98	6.06	10.06	16.12	16.12	0.78
NULL3	73.90	0.00	0.00	0.875	8.08	60.38	4.25	64.63	64.63	0.37
S1	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	3.17
S1_1	73.90	0.00	0.00	0.780	15.33	51.82	16.19	57.65	57.65	0.05
S1_2	73.90	0.00	0.00	0.778	15.47	51.80	16.04	57.48	57.48	0.08
S10_1	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	0.90
S10_2	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	1.04
S10_4	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	0.36
S10_5	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	0.61
S11	73.90	0.00	0.00	0.141	63.47	0.00	10.44	10.44	10.44	0.34
S12	73.90	0.00	0.00	0.776	15.60	51.79	15.91	57.34	57.34	0.25
S14_1	73.90	0.00	0.00	0.774	15.74	51.77	15.76	57.18	57.18	0.35
S14_3	73.90	0.00	0.00	0.768	16.15	51.75	15.34	56.74	56.74	0.60
S14_4	73.90	0.00	0.00	0.771	15.95	51.76	15.54	56.95	56.95	0.18
S14_5	73.90	0.00	0.00	0.769	16.08	51.75	15.41	56.81	56.81	0.96
S14_6	73.90	0.00	0.00	0.772	15.86	51.77	15.63	57.04	57.04	0.16
S14_7	73.90	0.00	0.00	0.771	15.93	51.76	15.56	56.97	56.97	0.68
S14_8	73.90	0.00	0.00	0.771	15.95	51.76	15.54	56.95	56.95	0.24
S15	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	0.80
S16_1	73.90	0.00	0.00	0.979	0.00	72.31	0.00	72.31	72.31	0.34
S16_2	73.90	0.00	0.00	0.977	0.00	72.24	0.00	72.24	72.24	0.71
S17	73.90	0.00	0.00	0.060	69.43	2.41	4.42	4.42	4.42	0.28
S18_2	73.90	0.00	0.00	0.679	22.78	48.63	35.57	50.16	50.16	1.68
S18_3	73.90	0.00	0.00	0.679	22.78	48.63	35.57	50.16	50.16	0.83
S18_4	73.90	0.00	0.00	0.679	22.78	48.63	35.57	50.16	50.16	0.44
S18_5	73.90	0.00	0.00	0.679	22.78	48.63	35.57	50.16	50.16	0.92
S18_6	73.90	0.00	0.00	0.679	22.78	48.63	35.57	50.16	50.16	0.42
S19	73.90	0.00	0.00	0.771	15.91	51.76	15.59	57.00	57.00	0.55
S2	73.90	0.00	0.00	0.770	16.02	51.76	15.47	56.88	56.88	0.21
S2_1	73.90	0.00	0.00	0.679	22.78	48.63	35.57	50.16	50.16	1.58
S2_2	73.90	0.00	0.00	0.679	22.78	48.63	35.57	50.16	50.16	0.51
S20_1	73.90	0.00	0.00	0.774	15.72	51.78	15.78	57.20	57.20	0.26
S20_2	73.90	0.00	0.00	0.773	15.77	51.77	15.73	57.14	57.14	0.14
S3	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	1.03
S32_1	73.90	0.00	0.00	0.776	15.56	51.79	15.95	57.38	57.38	0.25
S32_2	73.90	0.00	0.00	0.659	24.30	46.56	34.72	48.69	48.69	0.08

S36			73.90	0.00	0.00	0.00	72.16	0.00
72.16	1.31	0.26	0.976					
S4			73.90	0.00	0.00	8.72	61.99	1.84
63.83	8.43	2.74	0.864					
S5			73.90	0.00	0.00	7.99	62.02	2.57
64.59	2.06	0.80	0.874					
S6			73.90	0.00	0.00	22.54	41.44	17.45
50.60	0.17	0.10	0.685					
S7			73.90	0.00	0.00	7.92	62.02	2.64
64.67	2.58	1.01	0.875					
S8			73.90	0.00	0.00	45.71	25.86	27.67
27.67	0.44	0.14	0.374					

****
Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.14	104.53	0 01:27	0.14
EXD_10	JUNCTION	0.06	0.33	98.99	0 01:36	0.33
EXD_11	JUNCTION	0.05	0.25	98.75	0 01:36	0.25
EXD_12	JUNCTION	0.07	0.35	98.66	0 01:35	0.35
EXD_13	JUNCTION	0.01	0.15	104.48	0 01:30	0.15
EXD_14	JUNCTION	0.00	0.00	102.49	0 00:00	0.00
EXD_15	JUNCTION	0.08	0.35	100.62	0 01:30	0.35
EXD_16	JUNCTION	0.05	0.17	100.37	0 01:30	0.17
EXD_17	JUNCTION	0.07	0.18	100.06	0 01:29	0.18
EXD_18	JUNCTION	0.04	0.16	99.56	0 01:34	0.16
EXD_19	JUNCTION	0.07	0.31	99.51	0 01:31	0.31
EXD_2	JUNCTION	0.03	0.25	103.71	0 01:32	0.25
EXD_20	JUNCTION	0.08	0.32	99.51	0 01:31	0.32
EXD_21	JUNCTION	0.07	0.27	99.45	0 01:31	0.27
EXD_22	JUNCTION	0.04	0.16	99.31	0 01:35	0.16
EXD_23	JUNCTION	0.07	0.26	99.01	0 01:24	0.26
EXD_24	JUNCTION	0.03	0.16	98.83	0 01:42	0.16
EXD_25	JUNCTION	0.07	0.29	98.81	0 01:42	0.29
EXD_26	JUNCTION	0.04	0.15	98.64	0 01:44	0.15
EXD_27	JUNCTION	0.07	0.29	98.46	0 01:30	0.29
EXD_3	JUNCTION	0.01	0.13	103.32	0 01:33	0.13
EXD_4	JUNCTION	0.01	0.13	102.77	0 01:34	0.13
EXD_5	JUNCTION	0.01	0.19	102.69	0 01:35	0.19
EXD_6	JUNCTION	0.01	0.13	102.45	0 01:35	0.13
EXD_7	JUNCTION	0.01	0.14	101.63	0 01:38	0.14
EXD_8	JUNCTION	0.06	0.38	100.86	0 01:38	0.38
EXD_9	JUNCTION	0.03	0.18	100.57	0 01:41	0.18
J1	JUNCTION	0.00	0.00	103.45	0 00:00	0.00
J13	JUNCTION	0.01	0.03	103.33	0 02:24	0.03
J17	JUNCTION	0.01	0.14	104.51	0 01:28	0.14
J19	JUNCTION	0.00	0.06	105.06	0 01:30	0.06
J2	JUNCTION	0.00	0.04	109.04	0 01:25	0.04
J20	JUNCTION	0.00	0.07	105.87	0 01:30	0.07
J21	JUNCTION	0.00	0.04	105.94	0 01:26	0.04
J22	JUNCTION	0.00	0.00	106.00	0 00:00	0.00
J23	JUNCTION	0.00	0.00	106.20	0 00:00	0.00
J27	JUNCTION	0.00	0.06	109.06	0 01:26	0.06
J28	JUNCTION	0.00	0.08	108.88	0 01:30	0.08
J3	JUNCTION	0.00	0.02	103.72	0 01:35	0.02
J31	JUNCTION	0.00	0.05	106.05	0 01:32	0.05
J35	JUNCTION	0.00	0.09	104.79	0 01:25	0.09
J36	JUNCTION	0.00	0.06	104.99	0 01:35	0.06
J37	JUNCTION	0.00	0.07	104.72	0 01:28	0.07
J38	JUNCTION	0.00	0.07	104.67	0 01:30	0.07
J39	JUNCTION	0.00	0.07	104.52	0 01:33	0.07
J4	JUNCTION	0.00	0.02	103.62	0 01:38	0.02
J40	JUNCTION	0.00	0.04	103.24	0 01:30	0.04
J42	JUNCTION	0.00	0.07	104.27	0 01:30	0.07
J43	JUNCTION	0.00	0.06	104.56	0 01:28	0.06
J45	JUNCTION	0.00	0.00	104.60	0 00:00	0.00
J46	JUNCTION	0.00	0.00	105.10	0 00:00	0.00
J47	JUNCTION	0.00	0.05	105.80	0 01:27	0.05
J49	JUNCTION	0.00	0.05	105.85	0 01:33	0.05
J5	JUNCTION	0.00	0.02	103.52	0 01:44	0.02
J50	JUNCTION	0.00	0.05	106.80	0 01:26	0.05
J51	JUNCTION	0.00	0.00	109.75	0 00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0 00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0 00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0 00:00	0.00
J57	JUNCTION	0.00	0.05	108.51	0 01:30	0.05
J58	JUNCTION	0.00	0.06	108.06	0 01:30	0.06
J6	JUNCTION	0.00	0.01	103.41	0 01:54	0.01
J60	JUNCTION	0.00	0.05	107.05	0 01:25	0.05
J61	JUNCTION	0.00	0.05	106.55	0 01:28	0.05
J62	JUNCTION	0.00	0.04	105.74	0 01:36	0.04
J63	JUNCTION	0.00	0.05	105.25	0 01:32	0.05
J66	JUNCTION	0.00	0.06	107.81	0 01:31	0.06
J67	JUNCTION	0.00	0.05	107.55	0 01:34	0.05
J74	JUNCTION	0.40	0.44	98.89	0 04:19	0.44
OF1	OUTFALL	0.00	0.00	100.80	0 00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0 00:00	0.00
OF3	OUTFALL	0.05	0.25	98.25	0 01:30	0.25
ST4_108A (P-Stm)	OUTFALL	0.00	0.00	98.02	0 00:00	0.00
500_(C-STRM)	STORAGE	0.31	0.56	100.93	0 01:33	0.56
502_(C-STRM)	STORAGE	0.14	1.51	102.08	0 01:33	1.51
503_(C-STRM)	STORAGE	0.12	1.60	102.22	0 01:33	1.60
504_(C-STRM)	STORAGE	0.35	1.16	104.22	0 01:33	1.16
505_(C-STRM)	STORAGE	0.35	1.32	104.80	0 01:32	1.31
506_(C-STRM)	STORAGE	0.35	1.39	105.22	0 01:32	1.37
507_(C-STRM)	STORAGE	0.34	1.32	105.49	0 01:32	1.30
508_(C-STRM)	STORAGE	0.34	1.35	105.75	0 01:32	1.35
509_(C-STRM)	STORAGE	0.35	1.42	106.18	0 01:34	1.42
510_(C-STRM)	STORAGE	0.34	1.42	106.29	0 01:34	1.41
511_(C-STRM)	STORAGE	0.34	1.43	106.36	0 01:34	1.41
512_(C-STRM)	STORAGE	0.34	1.49	106.63	0 01:34	1.46
513_(C-STRM)	STORAGE	0.34	1.47	106.73	0 01:34	1.44
514_(C-STRM)	STORAGE	0.30	1.13	106.75	0 01:34	1.13
515_(C-STRM)	STORAGE	0.29	0.89	106.77	0 01:35	0.88
516_(C-STRM)	STORAGE	0.34	1.50	106.98	0 01:34	1.50
517_(C-STRM)	STORAGE	0.35	1.60	107.24	0 01:34	1.59
518_(C-STRM)	STORAGE	0.36	1.90	107.78	0 01:34	1.89
519_(C-STRM)	STORAGE	0.33	1.69	107.79	0 01:33	1.67
520_(C-STRM)	STORAGE	0.33	1.55	107.92	0 01:33	1.54
522_(C-STRM)	STORAGE	0.32	0.65	104.95	0 01:32	0.65
525_(C-STRM)	STORAGE	0.14	1.57	102.15	0 01:33	1.56
528_(C-STRM)	STORAGE	0.10	1.70	102.40	0 01:35	1.70
532_(C-STRM)	STORAGE	0.09	1.75	102.55	0 01:36	1.75
536_(C-STRM)	STORAGE	0.09	1.75	102.69	0 01:36	1.74
540_(C-STRM)	STORAGE	0.38	1.99	102.82	0 01:36	1.99
541_(C-STRM)	STORAGE	0.37	1.98	102.88	0 01:36	1.98
551_(C-STRM)	STORAGE	0.35	1.44	102.12	0 01:33	1.44
552_(C-STRM)	STORAGE	0.34	1.38	102.15	0 01:32	1.37
553_(C-STRM)	STORAGE	0.34	1.23	102.19	0 01:32	1.21
554_(C-STRM)	STORAGE	0.32	1.13	102.21	0 01:32	1.12
555_(C-STRM)	STORAGE	0.30	0.94	102.21	0 01:33	0.94
556_(C-STRM)	STORAGE	0.29	0.84	102.23	0 01:33	0.83
601_(C-STRM)	STORAGE	0.13	1.20	101.63	0 01:35	1.20
602_(C-STRM)	STORAGE	0.15	1.71	102.19	0 01:35	1.71
603_(C-STRM)	STORAGE	0.14	1.77	102.32	0 01:35	1.76
604_(C-STRM)	STORAGE	0.16	2.02	102.64	0 01:35	2.01
605_(C-STRM)	STORAGE	0.14	1.39	102.87	0 01:35	1.39
619_(C-STRM)	STORAGE	0.15	2.49	103.62	0 01:34	2.48
622_(C-STRM)	STORAGE	0.15	2.68	103.91	0 01:34	2.66
626_(C-STRM)	STORAGE	0.29	0.49	104.49	0 01:31	0.49
627_(C-STRM)	STORAGE	0.31	1.18	104.38	0 01:34	1.17
629_(C-STRM)	STORAGE	0.13	2.34	104.05	0 01:34	2.34
630_(C-STRM)	STORAGE	0.13	2.36	104.20	0 01:33	2.36
630A_(C-STRM)	STORAGE	0.13	2.37	104.24	0 01:33	2.32
633_(C-STRM)	STORAGE	0.00	0.13	105.43	0 01:31	0.13
634_(C-STRM)	STORAGE	0.35	2.19	104.07	0 01:34	2.18
637_(C-STRM)	STORAGE	0.00	0.10	105.45	0 01:33	0.10
643_(C-STRM)	STORAGE	0.34	2.16	104.23	0 01:34	2.16
644_(C-STRM)	STORAGE	0.30	1.70	104.24	0 01:34	1.70
645_(C-STRM)	STORAGE	0.08	2.03	104.32	0 01:34	2.03
646_(C-STRM)	STORAGE	0.07	2.02	104.45	0 01:34	2.00
647_(C-STRM)	STORAGE	0.07	1.98	104.55	0 01:34	1.97
650_(C-STRM)	STORAGE	0.15	2.27	103.26	0 01:34	2.27
651_(C-STRM)	STORAGE	0.15	2.18	103.07	0 01:35	2.18
652_(C-STRM)	STORAGE	0.15	2.11	102.98	0 01:35	2.11
Filter_Bed	STORAGE	0.38	0.86	100.96	0 01:35	0.86
Industrial_NORTH	STORAGE	0.00	0.02	105.22	0 01:30	0.02
Industrial_South	STORAGE	0.00	0.08	105.08	0 01:31	0.08
MTD_(C-STRM)	STORAGE	0.24	1.46	101.82	0 01:33	1.45
OVERFLOW_(C-STRM)	STORAGE	0.36	0.95	101.12	0 01:33	0.95
PARK	STORAGE	0.00	0.01	105.37	0 01:31	0.01
POND_(C-STRM)	STORAGE	1.72	2.22	100.67	0 04:19	2.22
S_504-503	STORAGE	0.00	0.08	105.83	0 01:32	0.08
S_525-MTD	STORAGE	0.00	0.11	103.56	0 01:33	0.11
S_528-525	STORAGE	0.00	0.10	103.60	0 01:33	0.10
S_532-528	STORAGE	0.00	0.10	103.75	0 01:33	0.10
S_536-532	STORAGE	0.00	0.16	103.86	0 01:33	0.16
S_540-536	STORAGE	0.00	0.15	104.00	0 01:33	0.15
S_545-541	STORAGE	0.00	0.12	104.02	0 01:33	0.12
S_607-605	STORAGE	0.00	0.12	108.02	0 01:34	0.12
S_620-619	STORAGE	0.00	0.13	107.03	0 01:33	0.13
S_622-619	STORAGE	0.00	0.08	106.08	0 01:32	0.08
S_623-622	STORAGE	0.00	0.15	106.65	0 01:33	0.15
S_627-630	STORAGE	0.00	0.08	106.78	0 01:32	0.08
S_652-604	STORAGE	0.00	0.10	105.95	0 01:33	0.10
Woodlot_North	STORAGE	0.00	0.01	106.76	0 01:31	0.01

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.117	0 01:26	0	0.25	-0.138
EXD_10	JUNCTION	0.368	0.533	0 01:31	1.65	3.2	-0.018
EXD_11	JUNCTION	0.000	0.512	0 01:36	0	3.2	0.011
EXD_12	JUNCTION	0.089	0.565	0 01:34	0.476	3.67	0.011
EXD_13	JUNCTION	0.000	0.113	0 01:27	0	0.251	-0.278
EXD_14	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.137	0.137	0 01:25	0.779	0.779	0.047
EXD_16	JUNCTION	0.000	0.097	0 01:30	0	0.779	-0.115
EXD_17	JUNCTION	0.000	0.097	0 01:30	0	0.78	0.005
EXD_18	JUNCTION	0.000	0.099	0 01:31	0	0.78	0.444
EXD_19	JUNCTION	0.000	0.092	0 01:34	0	0.796	-0.007
EXD_2	JUNCTION	0.000	0.110	0 01:30	0	0.251	0.464
EXD_20	JUNCTION	0.120	0.166	0 01:30	0.31	1.11	-0.002
EXD_21	JUNCTION	0.000	0.161	0 01:30	0	1.09	-0.031
EXD_22	JUNCTION	0.000	0.158	0 01:32	0	1.09	-0.018
EXD_23	JUNCTION	0.000	0.154	0 01:35	0	1.09	0.322
EXD_24	JUNCTION	0.000	0.143	0 01:40	0	1.08	0.226
EXD_25	JUNCTION	0.105	0.153	0 01:40	0.24	1.32	-0.020
EXD_26	JUNCTION	0.000	0.177	0 01:40	0	1.32	0.154
EXD_27	JUNCTION	0.180	0.754	0 01:30	0.365	5.36	0.017
EXD_3	JUNCTION	0.000	0.103	0 01:33	0	0.25	0.182
EXD_4	JUNCTION	0.000	0.102	0 01:34	0	0.25	0.080
EXD_5	JUNCTION	0.000	0.102	0 01:34	0	0.25	0.003
EXD_6	JUNCTION	0.000	0.101	0 01:35	0	0.25	-0.535
EXD_7	JUNCTION	0.060	0.146	0 01:34	0.277	0.528	0.816
EXD_8	JUNCTION	0.233	0.287	0 01:30	1.03	1.55	-0.050
EXD_9	JUNCTION	0.000	0.263	0 01:38	0	1.56	0.279
J1	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J13	JUNCTION	0.000	0.007	0 01:54	0	0.0137	11.930
J17	JUNCTION	0.000	0.116	0 01:26	0	0.25	-0.127
J19	JUNCTION	0.030	0.067	0 01:30	0.054	0.077	0.300
J2	JUNCTION	0.137	0.137	0 01:25	0.25	0.25	-0.303
J20	JUNCTION	0.111	0.123	0 01:25	0.212	0.22	-0.481
J21	JUNCTION	0.044	0.044	0 01:25	0.08	0.08	-0.798
J22	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J23	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J27	JUNCTION	0.187	0.187	0 01:25	0.346	0.346	-1.163
J28	JUNCTION	0.501	0.524	0 01:25	0.958	0.971	-0.060
J3	JUNCTION	0.000	0.033	0 01:33	0	0.0101	-0.069
J31	JUNCTION	0.000	0.040	0 01:29	0	0.0183	2.341
J35	JUNCTION	0.294	0.294	0 01:25	0.552	0.573	-0.929
J36	JUNCTION	0.000	0.039	0 01:32	0	0.0226	12.577
J37	JUNCTION	0.000	0.067	0 01:26	0	0.0266	5.856
J38	JUNCTION	0.073	0.134	0 01:30	0.135	0.198	-1.269
J39	JUNCTION	0.000	0.074	0 01:31	0	0.0405	8.699
J4	JUNCTION	0.000	0.025	0 01:34	0	0.0123	0.056
J40	JUNCTION	0.000	0.139	0 01:30	0	0.0753	0.840
J42	JUNCTION	0.140	0.235	0 01:30	0.258	0.333	-0.798
J43	JUNCTION	0.135	0.179	0 01:25	0.245	0.275	-0.240
J45	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J46	JUNCTION	0.000	0.000	0 00:00	0	0	0.000 ltr
J47	JUNCTION	0.093	0.138	0 01:25	0.175	0.2	0.031
J49	JUNCTION	0.000	0.073	0 01:31	0	0.0396	3.920

J5	JUNCTION	0.000	0.017	0	01:40	0	0.0125	
0.039								
J50	JUNCTION	0.129	0.160	0	01:25	0.243	0.266	-
0.138								
J51	JUNCTION	0.000	0.000	0	00:00	0	0	
0.000 ltr								
J52	JUNCTION	0.000	0.000	0	00:00	0	0	
0.000 ltr								
J55	JUNCTION	0.000	0.000	0	00:00	0	0	
0.000 ltr								
J56	JUNCTION	0.000	0.000	0	00:00	0	0	
0.000 ltr								
J57	JUNCTION	0.312	0.327	0	01:25	0.602	0.618	-
0.549								
J58	JUNCTION	0.085	0.112	0	01:30	0.159	0.178	-
0.721								
J6	JUNCTION	0.000	0.010	0	01:47	0	0.0127	
0.070								
J60	JUNCTION	0.362	0.362	0	01:25	0.681	0.7	-
0.397								
J61	JUNCTION	0.000	0.046	0	01:26	0	0.0185	
0.729								
J62	JUNCTION	0.000	0.025	0	01:32	0	0.0179	
4.087								
J63	JUNCTION	0.000	0.041	0	01:31	0	0.0233	
2.919								
J66	JUNCTION	0.000	0.051	0	01:30	0	0.0216	
1.535								
J67	JUNCTION	0.000	0.045	0	01:31	0	0.0212	
11.677								
J74	JUNCTION	0.000	0.339	0	04:19	0	24.8	
0.054								
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	
0.000 ltr								
OF2	OUTFALL	0.097	0.097	0	01:25	0.173	0.173	
0.000								
OF3	OUTFALL	0.000	0.733	0	01:30	0	5.36	
0.000								
ST4_108A_(P-Stm)	OUTFALL	0.000	0.339	0	04:19	0	24.7	
0.000								
500_(C-STRM)	STORAGE	0.000	0.174	0	01:33	0	0.641	-
0.439								
502_(C-STRM)	STORAGE	0.000	1.215	0	01:33	0	4.42	
0.093								
503_(C-STRM)	STORAGE	0.000	0.952	0	01:33	0	3.44	-
0.001								
504_(C-STRM)	STORAGE	0.000	0.872	0	01:32	0	3.19	-
0.302								
505_(C-STRM)	STORAGE	0.000	0.796	0	01:32	0	2.95	
0.112								
506_(C-STRM)	STORAGE	0.000	0.719	0	01:32	0	2.72	
0.550								
507_(C-STRM)	STORAGE	0.000	0.574	0	01:37	0	2.04	-
0.901								
508_(C-STRM)	STORAGE	0.000	0.560	0	01:35	0	2.04	-
0.010								
509_(C-STRM)	STORAGE	0.000	0.557	0	01:34	0	2.03	-
0.083								
510_(C-STRM)	STORAGE	0.000	0.558	0	01:34	0	2.04	
0.075								
511_(C-STRM)	STORAGE	0.000	0.560	0	01:34	0	2.04	
0.112								
512_(C-STRM)	STORAGE	0.000	0.510	0	01:26	0	1.88	-
0.077								
513_(C-STRM)	STORAGE	0.000	0.583	0	01:26	0	1.94	
0.694								
514_(C-STRM)	STORAGE	0.000	0.073	0	01:28	0	0.0538	
1.744								
515_(C-STRM)	STORAGE	0.000	0.039	0	01:30	0	0.00877	-
11.668								
516_(C-STRM)	STORAGE	0.000	0.383	0	01:26	0	1.27	-
1.787								
517_(C-STRM)	STORAGE	0.000	0.408	0	01:32	0	1.28	
0.409								
518_(C-STRM)	STORAGE	0.000	0.434	0	01:27	0	1.29	
1.355								
519_(C-STRM)	STORAGE	0.000	0.117	0	01:22	0	0.331	-
1.931								
520_(C-STRM)	STORAGE	0.000	0.123	0	01:20	0	0.336	
1.634								
522_(C-STRM)	STORAGE	0.000	0.088	0	01:20	0	0.237	
0.029								
525_(C-STRM)	STORAGE	0.000	1.260	0	01:47	0	5.08	
0.026								
528_(C-STRM)	STORAGE	0.000	1.058	0	01:42	0	4.28	-
0.003								
532_(C-STRM)	STORAGE	0.000	0.839	0	01:43	0	3.44	-
0.203								
536_(C-STRM)	STORAGE	0.000	0.724	0	01:43	0	3.03	
0.067								
540_(C-STRM)	STORAGE	0.000	0.494	0	01:43	0	2.11	-
0.015								
541_(C-STRM)	STORAGE	0.000	0.378	0	01:21	0	1.67	
0.063								
551_(C-STRM)	STORAGE	0.000	0.191	0	01:22	0	0.707	-
0.414								
552_(C-STRM)	STORAGE	0.000	0.211	0	01:23	0	0.705	-
0.283								
553_(C-STRM)	STORAGE	0.000	0.197	0	01:21	0	0.642	
0.479								
554_(C-STRM)	STORAGE	0.000	0.130	0	01:25	0	0.143	
3.388								
555_(C-STRM)	STORAGE	0.000	0.099	0	01:28	0	0.0617	-
0.700								
556_(C-STRM)	STORAGE	0.000	0.053	0	01:29	0	0.0137	-
8.705								
601_(C-STRM)	STORAGE	0.000	5.048	0	01:35	0	19.7	
0.024								
602_(C-STRM)	STORAGE	0.000	5.049	0	01:35	0	19.7	
0.002								
603_(C-STRM)	STORAGE	0.000	4.926	0	01:35	0	19.2	-
0.001								
604_(C-STRM)	STORAGE	0.000	4.936	0	01:35	0	19.2	-
0.029								
605_(C-STRM)	STORAGE	0.000	0.664	0	01:21	0	2.73	
0.433								
619_(C-STRM)	STORAGE	0.000	4.087	0	01:34	0	15.5	-
0.003								
622_(C-STRM)	STORAGE	0.000	3.904	0	01:34	0	14.6	-
0.159								
626_(C-STRM)	STORAGE	0.000	0.106	0	01:31	0	0.344	-
0.888								
627_(C-STRM)	STORAGE	0.000	0.204	0	01:31	0	0.646	
0.435								
629_(C-STRM)	STORAGE	0.000	3.014	0	01:33	0	11.4	
0.191								
630_(C-STRM)	STORAGE	0.000	3.056	0	01:33	0	11.4	
0.010								
630A_(C-STRM)	STORAGE	0.000	2.902	0	01:33	0	10.8	-
0.002								
633_(C-STRM)	STORAGE	0.260	0.260	0	01:25	0.509	0.509	-
0.000								
634_(C-STRM)	STORAGE	0.000	0.573	0	01:35	0	1.78	-
0.382								
637_(C-STRM)	STORAGE	0.805	0.805	0	01:25	1.58	1.58	-
0.000								
643_(C-STRM)	STORAGE	0.000	0.431	0	01:34	0	1.42	
1.184								
644_(C-STRM)	STORAGE	0.000	0.155	0	01:26	0	0.0711	-
11.056								
645_(C-STRM)	STORAGE	0.000	0.691	0	01:35	0	2.41	
0.130								
646_(C-STRM)	STORAGE	0.000	0.642	0	01:35	0	2.32	-
0.007								
647_(C-STRM)	STORAGE	0.000	0.543	0	01:21	0	2.12	
0.018								
650_(C-STRM)	STORAGE	0.000	4.053	0	01:34	0	15.5	
0.003								
651_(C-STRM)	STORAGE	0.000	4.030	0	01:34	0	15.5	
0.000								
652_(C-STRM)	STORAGE	0.000	4.284	0	01:34	0	16.5	-
0.015								
Filter_Bed	STORAGE	0.000	2.326	0	01:28	0	8.93	
0.068								
Industrial_NORTH	STORAGE	2.741	2.741	0	01:30	8.43	8.43	-
0.066								
Industrial_South	STORAGE	0.795	0.795	0	01:25	2.06	2.06	-
0.039								
MTD_(C-STRM)	STORAGE	0.000	2.369	0	01:33	0	9.5	-
0.028								
OVERFLOW_(C-STRM)	STORAGE	0.000	2.365	0	01:33	0	9.5	-
0.028								
PARK	STORAGE	0.145	0.145	0	01:30	0.442	0.442	-
0.001								
POND_(C-STRM)	STORAGE	1.013	7.714	0	01:35	2.58	31.8	-
0.009								
S_504-503	STORAGE	0.039	0.039	0	01:26	0.0775	0.0775	-
0.015								
S_525-MTD	STORAGE	0.401	0.401	0	01:26	0.797	0.797	-
0.011								
S_528-525	STORAGE	0.424	0.424	0	01:25	0.831	0.831	-
0.012								
S_532-528	STORAGE	0.215	0.215	0	01:25	0.421	0.421	-
0.012								
S_536-532	STORAGE	0.469	0.469	0	01:25	0.919	0.919	-
0.011								
S_540-536	STORAGE	0.224	0.224	0	01:25	0.439	0.439	-
0.012								
S_545-541	STORAGE	0.858	0.858	0	01:25	1.68	1.68	-
0.010								
S_607-605	STORAGE	1.598	1.598	0	01:26	3.17	3.17	
0.000								
S_620-619	STORAGE	0.452	0.452	0	01:26	0.898	0.898	-
0.000								
S_622-619	STORAGE	0.310	0.310	0	01:26	0.615	0.615	-
0.000								
S_623-622	STORAGE	0.522	0.522	0	01:26	1.04	1.04	-
0.000								
S_627-630	STORAGE	0.181	0.181	0	01:26	0.358	0.358	-
0.000								
S_652-604	STORAGE	0.520	0.520	0	01:26	1.03	1.03	-
0.012								
Woodlot_North	STORAGE	0.113	0.113	0	01:30	0.344	0.344	-
0.000								

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Node Surcharge Summary
****

No nodes were surcharged.

****
Node Flooding Summary
****

No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	11.2	0.0	0.0	0.001	20.3	0 01:33	0.174
502_(C-STRM)	0.000	3.7	0.0	0.0	0.002	40.9	0 01:33	1.208
503_(C-STRM)	0.000	3.1	0.0	0.0	0.002	41.1	0 01:33	0.950
504_(C-STRM)	0.000	12.5	0.0	0.0	0.001	41.4	0 01:33	0.866
505_(C-STRM)	0.000	10.7	0.0	0.0	0.001	40.5	0 01:32	0.788
506_(C-STRM)	0.000	11.0	0.0	0.0	0.002	44.1	0 01:32	0.710
507_(C-STRM)	0.000	10.8	0.0	0.0	0.001	41.5	0 01:32	0.593
508_(C-STRM)	0.000	10.8	0.0	0.0	0.002	42.5	0 01:32	0.574
509_(C-STRM)	0.000	11.1	0.0	0.0	0.002	45.4	0 01:34	0.560
510_(C-STRM)	0.000	11.2	0.0	0.0	0.002	46.3	0 01:34	0.557
511_(C-STRM)	0.000	11.2	0.0	0.0	0.002	46.7	0 01:34	0.558
512_(C-STRM)	0.000	11.1	0.0	0.0	0.002	48.1	0 01:34	0.511
513_(C-STRM)	0.000	11.0	0.0	0.0	0.002	47.1	0 01:34	0.549
514_(C-STRM)	0.000	9.4	0.0	0.0	0.001	36.2	0 01:34	0.085
515_(C-STRM)	0.000	8.9	0.0	0.0	0.001	27.7	0 01:35	0.030
516_(C-STRM)	0.000	11.3	0.0	0.0	0.002	49.5	0 01:34	0.395
517_(C-STRM)	0.000	11.5	0.0	0.0	0.002	53.3	0 01:34	0.383
518_(C-STRM)	0.000	12.3	0.0	0.0	0.002	65.6	0 01:34	0.408
519_(C-STRM)	0.000	12.0	0.0	0.0	0.002	60.4	0 01:33	0.156
520_(C-STRM)	0.000	12.5	0.0	0.0	0.002	58.9	0 01:33	0.117
522_(C-STRM)	0.000	10.6	0.0	0.0	0.001	21.7	0 01:32	0.088
525_(C-STRM)	0.000	5.0	0.0	0.0	0.002	57.7	0 01:33	1.273
528_(C-STRM)	0.000	3.9	0.0	0.0	0.002	62.9	0 01:35	1.068
532_(C-STRM)	0.000	3.3	0.0	0.0	0.002	64.9	0 01:36	0.851
536_(C-STRM)	0.000	3.3	0.0	0.0	0.002	65.8	0 01:36	0.749
540_(C-STRM)	0.000	13.2	0.0	0.0	0.002	69.3	0 01:36	0.520
541_(C-STRM)	0.000	12.7	0.0	0.0	0.002	67.6	0 01:36	0.420
551_(C-STRM)	0.000	9.3	0.0	0.0	0.002	38.1	0 01:33	0.195
552_(C-STRM)	0.000	8.9	0.0	0.0	0.002	35.8	0 01:32	0.191
553_(C-STRM)	0.000	9.0	0.0	0.0	0.001	32.6	0 01:32	0.198
554_(C-STRM)	0.000	8.2	0.0	0.0	0.001	29.2	0 01:32	0.099
555_(C-STRM)	0.000	7.3	0.0	0.0	0.001	23.1	0 01:33	0.053
556_(C-STRM)	0.000	6.9	0.0	0.0	0.001	20.0	0 01:33	0.027
601_(C-STRM)	0.000	3.0	0.0	0.0	0.001	27.0	0 01:35	5.050
602_(C-STRM)	0.000	3.6	0.0	0.0	0.002	41.1	0 01:35	5.048
603_(C-STRM)	0.000	3.6	0.0	0.0	0.002	44.3	0 01:35	4.924

604_(C-STRM)	0.000	3.0	0.0	0.0	0.002	39.2	0	01:35
4.926								
605_(C-STRM)	0.000	6.4	0.0	0.0	0.002	26.1	0	01:35
0.685								
619_(C-STRM)	0.000	2.8	0.0	0.0	0.003	46.2	0	01:34
4.053								
622_(C-STRM)	0.000	3.2	0.0	0.0	0.003	56.0	0	01:34
3.854								
626_(C-STRM)	0.000	9.2	0.0	0.0	0.001	15.3	0	01:31
0.105								
627_(C-STRM)	0.000	8.9	0.0	0.0	0.001	33.7	0	01:34
0.228								
629_(C-STRM)	0.000	3.0	0.0	0.0	0.003	53.2	0	01:34
2.967								
630_(C-STRM)	0.000	2.9	0.0	0.0	0.003	54.1	0	01:33
3.014								
630A_(C-STRM)	0.000	3.0	0.0	0.0	0.003	57.4	0	01:33
2.878								
633_(C-STRM)	0.003	0.8	0.0	15.6	0.091	25.6	0	01:31
0.199								
634_(C-STRM)	0.000	9.2	0.0	0.0	0.002	57.3	0	01:34
0.601								
637_(C-STRM)	0.004	0.3	0.0	13.8	0.229	20.9	0	01:33
0.400								
643_(C-STRM)	0.000	10.0	0.0	0.0	0.002	62.7	0	01:34
0.447								
644_(C-STRM)	0.000	9.6	0.0	0.0	0.002	53.8	0	01:34
0.076								
645_(C-STRM)	0.000	2.3	0.0	0.0	0.002	56.3	0	01:34
0.723								
646_(C-STRM)	0.000	2.2	0.0	0.0	0.002	60.5	0	01:34
0.686								
647_(C-STRM)	0.000	2.2	0.0	0.0	0.002	65.4	0	01:34
0.586								
650_(C-STRM)	0.000	2.8	0.0	0.0	0.003	43.9	0	01:34
4.030								
651_(C-STRM)	0.000	3.0	0.0	0.0	0.002	43.7	0	01:35
4.020								
652_(C-STRM)	0.000	3.1	0.0	0.0	0.002	42.5	0	01:35
4.279								
Filter_Bed	0.763	22.9	0.0	0.0	1.777	53.2	0	01:35
2.163								
Industrial_NORTH	0.002	0.1	0.0	0.0	0.114	4.6	0	01:30
2.455								
Industrial_South	0.002	0.2	0.0	0.0	0.127	16.9	0	01:31
0.529								
MTD_(C-STRM)	0.000	8.1	0.0	0.0	0.002	48.3	0	01:33
2.365								
OVERFLOW_(C-STRM)	0.000	12.7	0.0	0.0	0.001	33.4	0	01:33
2.363								
PARK	0.000	0.1	0.0	0.0	0.009	1.8	0	01:31
0.141								
POND_(C-STRM)	15.419	42.6	0.0	0.0	25.687	70.9	0	04:19
0.339								
S_504-503	0.000	0.2	0.0	0.0	0.009	16.8	0	01:32
0.022								
S_525-MTD	0.002	0.4	0.0	0.0	0.121	21.1	0	01:33
0.198								
S_528-525	0.002	0.3	0.0	0.0	0.119	20.6	0	01:33
0.213								
S_532-528	0.001	0.3	0.0	0.0	0.060	20.5	0	01:33
0.109								
S_536-532	0.002	0.5	0.0	0.0	0.136	31.8	0	01:33
0.234								
S_540-536	0.001	0.4	0.0	0.0	0.060	29.5	0	01:33
0.113								
S_545-541	0.005	0.4	0.0	0.0	0.276	23.5	0	01:33
0.411								
S_607-605	0.010	0.4	0.0	13.6	0.526	23.1	0	01:34
0.734								
S_620-619	0.001	0.3	0.0	12.2	0.113	26.2	0	01:33
0.243								
S_622-619	0.001	0.2	0.0	14.1	0.068	15.3	0	01:32
0.184								
S_623-622	0.002	0.4	0.0	12.3	0.146	29.3	0	01:33
0.250								
S_627-630	0.000	0.2	0.0	16.3	0.041	15.8	0	01:32
0.105								
S_652-604	0.002	0.3	0.0	0.0	0.145	19.6	0	01:33
0.264								
Woodlot_North	0.000	0.1	0.0	0.0	0.007	1.5	0	01:31
0.106								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	22.52	0.009	0.097	0.173
OF3	99.19	0.063	0.733	5.358
ST4_108A_(P-Stm)	99.23	0.289	0.339	24.748
System	55.23	0.361	1.008	30.279

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.097	0 01:30	1.11	1.44	0.66
BDR-C2	CONDUIT	0.161	0 01:30	1.64	3.07	0.74
BDR-C3	CONDUIT	0.177	0 01:40	2.16	0.90	0.44
BDR-C4	CONDUIT	0.565	0 01:35	2.33	0.19	0.27
C1	CHANNEL	0.030	0 01:26	0.23	0.01	0.23
C1_1	CHANNEL	0.039	0 01:30	0.28	0.02	0.22
C1_11	CHANNEL	0.069	0 01:27	0.67	0.01	0.17
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.09
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.08
C1_4	CHANNEL	0.051	0 01:30	0.49	0.01	0.18
C1_5	CHANNEL	0.047	0 01:30	0.43	0.01	0.17
C1_6	CHANNEL	0.045	0 01:31	0.54	0.01	0.16
C1_7	CHANNEL	0.029	0 01:34	1.08	0.00	0.13
C1_8	CHANNEL	0.036	0 01:26	0.40	0.01	0.16
C1_9	CHANNEL	0.058	0 01:26	0.69	0.01	0.15
C2	CHANNEL	0.030	0 01:25	0.72	0.00	0.12
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.039	0 01:32	0.62	0.01	0.20
C2_11	CHANNEL	0.029	0 01:35	0.86	0.01	0.20
C2_12	CHANNEL	0.067	0 01:26	0.53	0.04	0.30
C2_13	CHANNEL	0.059	0 01:28	0.37	0.03	0.27
C2_14	CHANNEL	0.074	0 01:31	0.52	0.03	0.26
C2_15	CHANNEL	0.063	0 01:32	0.94	0.02	0.24
C2_16	CHANNEL	0.083	0 01:28	0.64	0.02	0.24
C2_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.09
C2_2	CHANNEL	0.046	0 01:26	0.64	0.01	0.20
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.11
C2_4	CHANNEL	0.040	0 01:29	0.73	0.01	0.18
C2_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.09
C2_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_8	CHANNEL	0.041	0 01:31	0.46	0.01	0.20
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C3	CONDUIT	0.024	0 01:36	0.21	0.00	0.04
C3_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.09
C3_6	CHANNEL	0.014	0 01:26	0.14	0.01	0.23
C3_7	CHANNEL	0.045	0 01:30	0.34	0.03	0.25
C4	CONDUIT	0.017	0 01:40	0.21	0.00	0.03
C4_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.06
C4_6	CHANNEL	0.139	0 01:30	1.74	0.02	0.22
C4_7	CHANNEL	0.001	0 02:26	0.14	0.00	0.08
C5	CONDUIT	0.010	0 01:47	0.15	0.00	0.02
C5_1	CHANNEL	0.116	0 01:26	0.33	0.03	0.14
C5_10	CHANNEL	0.097	0 01:30	0.49	0.03	0.22
C5_11	CHANNEL	0.092	0 01:34	0.20	0.03	0.28
C5_12	CHANNEL	0.733	0 01:30	1.13	0.06	0.26
C5_13	CHANNEL	0.099	0 01:31	0.69	0.03	0.21
C5_14	CHANNEL	0.104	0 01:35	0.22	0.07	0.36
C5_15	CHANNEL	0.154	0 01:35	0.42	0.04	0.26
C5_16	CHANNEL	0.143	0 01:40	0.43	0.03	0.18
C5_17	CHANNEL	0.140	0 01:42	0.23	0.01	0.20
C5_18	CHANNEL	0.025	0 01:32	0.50	0.01	0.16
C5_19	CHANNEL	0.158	0 01:32	0.43	0.11	0.24
C5_2	CHANNEL	0.103	0 01:33	0.58	0.01	0.17
C5_20	CHANNEL	0.151	0 01:44	0.28	0.01	0.19
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.22
C5_23	CHANNEL	0.113	0 01:27	0.31	0.02	0.14
C5_24	CHANNEL	0.018	0 01:36	0.34	0.01	0.18
C5_25	CHANNEL	0.061	0 01:33	0.94	0.02	0.24
C5_3	CHANNEL	0.110	0 01:30	0.56	0.01	0.18
C5_4	CHANNEL	0.102	0 01:34	0.50	0.01	0.13
C5_5	CHANNEL	0.101	0 01:35	0.61	0.01	0.12
C5_6	CHANNEL	0.102	0 01:34	0.71	0.01	0.11
C5_7	CHANNEL	0.261	0 01:41	0.46	0.02	0.24
C5_8	CHANNEL	0.134	0 01:38	0.23	0.01	0.24
C5_9	CHANNEL	0.512	0 01:36	0.69	0.04	0.28
C6	CONDUIT	0.007	0 01:54	0.11	0.00	0.03
C7	CONDUIT	0.126	0 01:31	0.53	0.02	0.08
C-STRM-1_(1)_(1)_(C-STRM)	CONDUIT	0.395	0 01:35	1.10	1.05	1.00
C-STRM-1_(1)_(C-STRM)	CONDUIT	0.383	0 01:26	1.09	1.18	1.00
C-STRM-1_(C-STRM)	CONDUIT	0.408	0 01:32	1.44	1.72	1.00
C-STRM-100_(C-STRM)	CONDUIT	0.117	0 01:33	1.29	0.40	0.48
C-STRM-101_(C-STRM)	CONDUIT	0.174	0 01:33	1.45	0.40	0.44
C-STRM-102_(C-STRM)	CONDUIT	2.226	0 01:28	3.68	1.15	0.86
C-STRM-105_(C-STRM)	CONDUIT	0.696	0 01:36	1.09	0.99	1.00
C-STRM-106_(C-STRM)	CONDUIT	0.447	0 01:35	1.12	1.04	1.00
C-STRM-107_(1)_(C-STRM)	CONDUIT	4.279	0 01:35	2.00	1.21	1.00
C-STRM-107_(C-STRM)	CONDUIT	4.020	0 01:34	1.88	1.14	1.00
C-STRM-2_(1)_(C-STRM)	CONDUIT	0.511	0 01:36	1.45	0.91	1.00
C-STRM-2_(C-STRM)	CONDUIT	0.510	0 01:26	1.48	0.90	1.00
C-STRM-20_(C-STRM)	CONDUIT	0.105	0 01:31	1.57	0.37	0.71
C-STRM-21_(C-STRM)	CONDUIT	0.228	0 01:34	1.41	0.75	1.00
C-STRM-22_(1)_(C-STRM)	CONDUIT	2.967	0 01:34	1.84	1.08	1.00
C-STRM-22_(C-STRM)	CONDUIT	3.014	0 01:33	1.75	1.10	1.00
C-STRM-23_(C-STRM)	CONDUIT	0.601	0 01:35	1.22	1.08	1.00
C-STRM-26_(1)_(C-STRM)	CONDUIT	0.195	0 03:26	0.89	0.58	1.00
C-STRM-26_(C-STRM)	CONDUIT	0.191	0 01:22	0.85	0.57	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	CONDUIT	0.710	0 01:32	1.61	0.90	1.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	CONDUIT	0.593	0 01:37	1.69	1.00	1.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	CONDUIT	0.574	0 01:37	1.60	0.96	1.00
C-STRM-3_(1)_(1)_(C-STRM)	CONDUIT	0.560	0 01:35	1.56	0.94	1.00
C-STRM-3_(1)_(2)_(C-STRM)	CONDUIT	0.557	0 01:34	1.58	0.99	1.00
C-STRM-3_(1)_(C-STRM)	CONDUIT	0.558	0 01:34	1.70	0.99	1.00
C-STRM-33_(1)_(C-STRM)	CONDUIT	0.686	0 01:35	1.08	0.98	1.00
C-STRM-33_(C-STRM)	CONDUIT	0.586	0 01:35	1.13	0.84	1.00
C-STRM-34_(1)_(1)_(C-STRM)	CONDUIT	0.099	0 01:28	0.63	0.58	1.00
C-STRM-34_(1)_(C-STRM)	CONDUIT	0.053	0 01:29	0.42	0.31	1.00
C-STRM-35_(1)_(C-STRM)	CONDUIT	0.163	0 01:23	0.97	0.67	1.00
C-STRM-35_(C-STRM)	CONDUIT	0.130	0 01:25	0.58	0.53	1.00
C-STRM-4_(1)_(C-STRM)	CONDUIT	0.866	0 01:33	2.09	1.00	0.88
C-STRM-4_(C-STRM)	CONDUIT	0.788	0 01:32	1.78	1.00	1.00
C-STRM-46_(1)_(1)_(C-STRM)	CONDUIT	4.030	0 01:34	1.88	1.14	1.00
C-STRM-46_(1)_(C-STRM)	CONDUIT	4.053	0 01:34	1.90	1.15	1.00
C-STRM-49_(C-STRM)	CONDUIT	0.420	0 01:49	0.82	0.75	1.00
C-STRM-50_(C-STRM)	CONDUIT	0.520	0 01:50	0.97	0.94	1.00
C-STRM-51_(C-STRM)	CONDUIT	0.749	0 01:49	1.18	1.07	1.00
C-STRM-52_(C-STRM)	CONDUIT	0.851	0 01:48	1.14	0.98	1.00
C-STRM-53_(C-STRM)	CONDUIT	1.068	0 01:47	1.43	1.23	1.00
C-STRM-57_(C-STRM)	CONDUIT	0.950	0 01:33	1.27	1.10	1.00
C-STRM-60_(C-STRM)	CONDUIT	0.076	0 01:26	0.62	0.54	1.00
C-STRM-62_(C-STRM)	CONDUIT	0.117	0 01:22	0.92	0.92	1.00
C-STRM-63_(C-STRM)	CONDUIT	0.156	0 01:35	0.72	0.94	1.00
C-STRM-64_(C-STRM)	CONDUIT	0.088	0 01:32	0.98	1.00	0.76
C-STRM-76_(C-STRM)	CONDUIT	1.273	0 01:47	1.71	1.27	1.00
C-STRM-77_(C-STRM)	CONDUIT	2.365	0 01:33	2.78	1.23	0.95
C-STRM-78_(C-STRM)	CONDUIT	1.208	0 01:33	1.62	0.98	1.00
C-STRM-79_(1)_(C-STRM)	CONDUIT	4.926	0 01:35	1.94	1.36	0.99
C-STRM-79_(C-STRM)	CONDUIT	0.685	0 01:50	1.67	0.97	1.00
C-STRM-8_(1)_(C-STRM)	CONDUIT	0.085	0 01:40	0.47	0.44	1.00
C-STRM-8_(C-STRM)	CONDUIT	0.039	0 01:30	0.34	0.30	1.00
C-STRM-80_(C-STRM)	CONDUIT	4.924	0 01:35	1.96	1.36	0.96
C-STRM-81_(C-STRM)	CONDUIT	5.048	0 01:35	2.29	1.38	0.81
C-STRM-82_(C-STRM)	CONDUIT	5.050	0 01:36	2.92	1.39	0.64
C-STRM-83_(1)_(C-STRM)	CONDUIT	2.878	0 01:33	1.77	1.05	1.00
C-STRM-84_(C-STRM)	CONDUIT	3.854	0 01:34	1.80	1.09	1.00
C-STRM-87_(C-STRM)	CONDUIT	0.082	0 01:26	0.81	0.94	1.00
CVR-C2	CONDUIT	0.101	0 01:35	2.02	0.38	0.35
CVR-C3	CONDUIT	0.263	0 01:38	2.99	1.62	0.70
CVR-C4	CONDUIT	0.512	0 01:36	2.42	0.17	0.24
ST4-Pipe_-_(99)_(P-Stm)	CONDUIT	0.339	0 04:19	1.28	1.35	0.43
W1	CHANNEL	2.137	0 01:36	0.87	0.01	0.04
OR1	ORIFICE	0.339	0 04:19			1.00
OR2	ORIFICE	0.000	0 00:00			0.00
W10	WEIR	0.004	0 01:33			0.01
W11	WEIR	0.066	0 01:31			0.07
W12	WEIR	0.000	0 00:00			0.00
W13	WEIR	0.033	0 01:33			0.04
W14	WEIR	0.000	0 00:00			0.00
W15	WEIR	0.012	0 01:33			0.03
W16	WEIR	0.002	0 01:33			0.01
W17	WEIR	0.002	0 01:33			0.01
W2	WEIR	0.000	0 00:00			0.00
W3	WEIR	0.000	0 00:00			0.00
W4	WEIR	0.000	0 00:00			0.00
W5	WEIR	0.006	0 01:33			0.01
W6	WEIR	0.000	0 00:00			0.00
W7	WEIR	0.000	0 00:00			0.00
W8	WEIR	0.027	0 01:34			0.04
W9	WEIR	0.000	0 00:00			0.00
C-STRM-108_(1)_(C-STRM)	DUMMY	0.126	0 01:26			
C-STRM-1_(1)_(C-STRM)	DUMMY	0.664	0 01:21			
C-STRM-27_(C-STRM)	DUMMY	0.248	0 01:21			
C-STRM-42_(C-STRM)	DUMMY	0.378	0 01:21			
C-STRM-44_(1)_(C-STRM)	DUMMY	0.192	0 01:21			
C-STRM-45_(1)_(C-STRM)	DUMMY	0.233	0 01:21			
C-STRM-61_(C-STRM)	DUMMY	0.374	0 01:21			
C-STRM-71_(C-STRM)	DUMMY	0.529	0 01:21			
C-STRM-83_(C-STRM)	DUMMY	2.455	0 01:25			
C-STRM-93_(C-STRM)	DUMMY	0.113	0 01:21			
C-STRM-96_(1)_(C-STRM)	DUMMY	0.222	0 01:21			
C-STRM-97_(1)_(C-STRM)	DUMMY	0.107	0 01:21			
C-STRM-98_(1)_(C-STRM)	DUMMY	0.211	0 01:21			
OL1	DUMMY	0.175	0 01:22			
OL10	DUMMY	0.026	0 00:14			
OL11	DUMMY	0.086	0 01:21			
OL12	DUMMY	0.242	0 01:21			
OL13	DUMMY	0.056	0 01:21			
OL14	DUMMY	0.215	0 01:21			
OL15	DUMMY	0.342	0 01:21			
OL16	DUMMY	0.088	0 01:20			
OL17	DUMMY	0.123	0 01:20			
OL18	DUMMY	0.014	0 01:20			
OL19	DUMMY	0.056	0 01:20			
OL2	DUMMY	0.197	0 01:21			
OL20	DUMMY	0.022	0 01:22			
OL21	DUMMY	0.141	0 01:31			
OL22	DUMMY	0.021	0 01:20			
OL3	DUMMY	0.048	0 01:21			
OL4	DUMMY	0.092	0 01:20			
OL5	DUMMY	0.087	0 01:20			
OL6	DUMMY	0.106	0 01:31			
OL7	DUMMY	0.099	0 01:22			
OL8	DUMMY	0.264	0 01:21			
OL9	DUMMY	0.062	0 01:21			

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Flow Classification Summary

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Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
BDR-C2	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
BDR-C3	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.01	0.00
BDR-C4	1.00	0.01	0.00	0.00	0.79	0.21	0.00	0.00	0.93	0.00
C1	1.00	0.73	0.05	0.00	0.22	0.00	0.00	0.00	0.95	0.00
C1_1	1.00	0.70	0.05	0.00	0.25	0.00	0.00	0.00	0.95	0.00
C1_11	1.00	0.75	0.02	0.00	0.15	0.08	0.00	0.00	0.05	0.00
C1_2	1.00	0.74	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.74	0.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.01	0.77	0.00	0.19	0.03	0.00	0.00	0.92	0.00
C1_5	1.00	0.73	0.01	0.00	0.22	0.03	0.00	0.00	0.05	0.00
C1_6	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.91	0.00
C1_7	1.00	0.01	0.05	0.00	0.44	0.50	0.00	0.00	0.02	0.00
C1_8	1.00	0.75	0.03	0.00	0.21	0.02	0.00	0.00	0.92	0.00
C1_9	1.00	0.74	0.03	0.00	0.17	0.06	0.00	0.00	0.89	0.00
C2	1.00	0.77	0.00	0.00	0.00	0.00	0.00	0.23	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.93	0.00
C2_11	1.00	0.01	0.05	0.00	0.44	0.51	0.00	0.00	0.02	0.00
C2_12	1.00	0.01	0.77	0.00	0.20	0.02	0.00	0.00	0.92	0.00
C2_13	1.00	0.01	0.00	0.00	0.79	0.21	0.00	0.00	0.07	0.00
C2_14	1.00	0.01	0.73	0.00	0.24	0.03	0.00	0.00	0.92	0.00
C2_15	1.00	0.01	0.02	0.00	0.67	0.30	0.00	0.00	0.05	0.00
C2_16	1.00	0.76	0.02	0.00	0.17	0.04	0.00	0.00	0.96	0.00
C2_18	1.00	0.78	0.22	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_2	1.00	0.01	0.76	0.00	0.19	0.04	0.00	0.00	0.93	0.00
C2_3	1.00	0.77	0.23	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.92	0.00
C2_5	1.00	0.06	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_8	1.00	0.01	0.79	0.00	0.17	0.04	0.00	0.00	0.92	0.00
C2_9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	0.64	0.14	0.00	0.23	0.00	0.00	0.00	0.93	0.00
C3_2	1.00	0.79	0.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_6	1.00	0.75	0.04	0.00	0.21	0.00	0.00	0.00	0.96	0.00
C3_7	1.00	0.75	0.01	0.00	0.24	0.00	0.00	0.00	0.04	0.00
C4	1.00	0.50	0.14	0.00	0.36	0.00	0.00	0.00	0.93	0.00
C4_5	1.00	0.06	0.94	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_6	1.00	0.01	0.77	0.00	0.17	0.05	0.00	0.00	0.92	0.00
C4_7	1.00	0.01	0.05	0.00	0.94	0.00	0.00	0.00	0.01	0.00
C5	1.00	0.34	0.16	0.00	0.50	0.00	0.00	0.00	0.92	0.00
C5_1	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.87	0.00
C5_10	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.95	0.00
C5_11	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
C5_12	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.01	0.00
C5_14	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C5_15	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.97	0.00
C5_16	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.01	0.02	0.00	0.98	0.00	0.00	0.00	0.94	0.00
C5_18	1.00	0.06	0.00	0.00	0.94	0.01	0.00	0.00	0.92	0.00
C5_19	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.00	0.00
C5_2	1.00	0.01	0.00	0.00	0.74	0.25	0.00	0.00	0.00	0.00
C5_20	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
C5_21	1.00	0.01	0.99	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.01	0.00	0.00	0.79	0.20	0.00	0.00	0.47	0.00
C5_24	1.00	0.06	0.00	0.00	0.94	0.00	0.00	0.00	0.92	0.00
C5_25	1.00	0.01	0.05	0.00	0.11	0.83	0.00	0.00	0.02	0.00
C5_3	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.00	0.98	0.00
C5_4	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.97	0.00
C5_5	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.12	0.00
C5_6	1.00	0.02	0.00	0.00	0.98	0.00	0.00	0.00	0.87	0.00
C5_7	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
C5_8	1.00	0.01	0.03	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_9	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.99	0.00
C6	1.00	0.06	0.28	0.00	0.66	0.00	0.00	0.00	0.94	0.00
C7	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.13	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.47	0.00
C-STRM-1_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.77	0.03	0.00	0.14	0.00	0.00	0.06	0.84	0.00
C-STRM-101_(C-STRM)	1.00	0.74	0.03	0.00	0.09	0.00	0.00	0.14	0.84	0.00
C-STRM-102_(C-STRM)	1.00	0.01	0.00	0.00	0.97	0.02	0.00	0.00	0.08	0.00
C-STRM-105_(C-STRM)	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.94	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.01	0.00	0.00	0.07	0.00	0.00	0.92	0.02	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.08	0.00	0.00	0.91	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.42	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.62	0.00
C-STRM-2_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.64	0.00
C-STRM-200_(C-STRM)	1.00	0.05	0.01	0.00	0.03	0.01	0.00	0.91	0.04	0.00
C-STRM-21_(C-STRM)	1.00	0.05	0.00	0.00	0.01	0.00	0.00	0.94	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.05	0.00	0.00	0.94	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.85	0.00
C-STRM-23_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.07	0.00	0.00	0.92	0.01	0.00
C-STRM-26_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.91	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.71	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.94	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.79	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.67	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.00	0.00	0.01	0.12	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.96	0.00	0.00	0.03	0.75	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.90	0.00
C-STRM-33_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.74	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.05	0.01	0.00	0.04	0.00	0.00	0.90	0.01	0.00
C-STRM-34_(1)_(C-STRM)	1.00	0.06	0.77	0.00	0.17	0.00	0.00	0.00	0.92	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.06	0.00	0.00	0.94	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.01	0.67	0.00	0.32	0.00	0.01	0.00	0.92	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.01	0.00	0.00	0.94	0.04	0.00	0.01	0.77	0.00
C-STRM-46_(1)_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.81	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.67	0.00
C-STRM-49_(C-STRM)	1.00	0.01	0.28	0.00	0.71	0.00	0.00	0.00	0.86	0.00
C-STRM-50_(C-STRM)	1.00	0.01	0.00	0.00	0.07	0.00	0.00	0.92	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.01	0.00	0.00	0.09	0.00	0.00	0.90	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.02	0.01	0.00	0.97	0.00	0.00	0.00	0.74	0.00
C-STRM-53_(C-STRM)	1.00	0.01	0.12	0.00	0.87	0.00	0.00	0.00	0.62	0.00
C-STRM-57_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.44	0.00
C-STRM-60_(C-STRM)	1.00	0.05	0.00	0.00	0.04	0.00	0.00	0.90	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.96	0.01	0.00
C-STRM-63_(C-STRM)	1.00	0.01	0.00	0.00	0.11	0.00	0.00	0.88	0.05	0.00
C-STRM-64_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.01	0.00	0.00	0.60	0.00	0.00	0.40	0.15	0.00
C-STRM-77_(C-STRM)	1.00	0.01	0.00	0.00	0.98	0.01	0.00	0.00	0.31	0.00
C-STRM-78_(C-STRM)	1.00	0.01	0.00	0.00	0.59	0.00	0.00	0.41	0.13	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.62	0.00
C-STRM-79_(C-STRM)	1.00	0.01	0.00	0.00	0.04	0.00	0.00	0.95	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.04	0.01	0.00	0.05	0.00	0.00	0.89	0.02	0.00
C-STRM-8_(C-STRM)	1.00	0.06	0.00	0.00	0.02	0.00	0.00	0.91	0.01	0.00
C-STRM-80_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.74	0.00
C-STRM-81_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.62	0.00
C-STRM-82_(C-STRM)	1.00	0.01	0.00	0.00	0.30	0.00	0.00	0.70	0.03	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.00	0.37	0.00
C-STRM-84_(C-STRM)	1.00	0.01	0.00	0.00	0.99	0.00	0.00	0.00	0.63	0.00
C-STRM-87_(C-STRM)	1.00	0.97	0.01	0.00	0.02	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.02	0.00	0.00	0.76	0.21	0.00	0.00	0.80	0.00
CVR-C3	1.00	0.01	0.00	0.00	0.00	0.99	0.00	0.00	0.11	0.00
CVR-C4	1.00	0.01	0.00	0.00	0.14	0.85	0.00	0.00	0.13	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.01	0.00	0.00	0.00	0.00	0.00	0.99	0.00	0.00
W1	1.00	0.83	0.00	0.00	0.00	0.00	0.00	0.17	0.00	0.00

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Conduit Surcharge Summary
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Conduit	Hours Full: Both Ends	Upstream	Dnstream	Hours Above Full Normal Flow	Hours Capacity Limited
BDR-C1	0.01	0.01	0.01	0.62	0.01
BDR-C2	0.01	0.01	0.01	1.48	0.01
C-STRM-1_(1)_(1)_(C-STRM)	0.22	0.22	0.23	0.02	0.18
C-STRM-1_(1)_(C-STRM)	0.21	0.25	0.22	0.37	0.18
C-STRM-1_(C-STRM)	0.25	0.57	0.25	0.62	0.22
C-STRM-102_(C-STRM)	0.01	0.01	0.01	0.47	0.01
C-STRM-105_(C-STRM)	0.49	0.49	0.54	0.01	0.12
C-STRM-106_(C-STRM)	0.54	0.55	0.56	0.07	0.46
C-STRM-107_(1)_(C-STRM)	0.23	0.45	0.23	0.30	0.23
C-STRM-107_(C-STRM)	0.45	0.50	0.45	0.20	0.45
C-STRM-2_(1)_(C-STRM)	0.23	0.26	0.23	0.01	0.23
C-STRM-2_(C-STRM)	0.23	0.23	0.26	0.01	0.01
C-STRM-200_(C-STRM)	0.01	0.01	0.13	0.01	0.01
C-STRM-21_(C-STRM)	0.13	0.13	0.19	0.01	0.01
C-STRM-22_(1)_(C-STRM)	0.38	0.38	0.43	0.10	0.11
C-STRM-22_(C-STRM)	0.34	0.34	0.38	0.12	0.12
C-STRM-23_(C-STRM)	0.55	0.56	0.57	0.10	0.44
C-STRM-26_(1)_(C-STRM)	0.70	0.70	0.78	0.01	0.01
C-STRM-26_(C-STRM)	0.58	0.58	0.70	0.01	0.01
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	0.19	0.19	0.19	0.01	0.18
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	0.18	0.25	0.19	0.01	0.07
C-STRM-3_(1)_(1)_(1)_(C-STRM)	0.24	0.34	0.25	0.01	0.22
C-STRM-3_(1)_(1)_(C-STRM)	0.34	0.43	0.34	0.01	0.34
C-STRM-3_(1)_(2)_(C-STRM)	0.25	0.25	0.43	0.01	0.01
C-STRM-3_(1)_(C-STRM)	0.23	0.23	0.25	0.01	0.07
C-STRM-33_(1)_(C-STRM)	0.42	0.42	0.49	0.01	0.10
C-STRM-33_(C-STRM)	0.36	0.36	0.42	0.01	0.01
C-STRM-34_(1)_(1)_(C-STRM)	0.08	0.08	0.20	0.01	0.01
C-STRM-34_(1)_(C-STRM)	0.01	0.01	0.08	0.01	0.01
C-STRM-35_(1)_(C-STRM)	0.43	0.43	0.58	0.01	0.01
C-STRM-35_(C-STRM)	0.20	0.20	0.43	0.01	0.01
C-STRM-4_(1)_(C-STRM)	0.01	0.13	0.01	0.01	0.01
C-STRM-4_(C-STRM)	0.13	0.19	0.13	0.01	0.13
C-STRM-46_(1)_(1)_(C-STRM)	0.50	0.50	0.50	0.20	0.48
C-STRM-46_(1)_(C-STRM)	0.50	0.55	0.50	0.19	0.50
C-STRM-49_(C-STRM)	0.84	0.84	0.85	0.01	0.01
C-STRM-50_(C-STRM)	0.85	0.85	0.86	0.01	0.73
C-STRM-51_(C-STRM)	0.86	0.86	0.86	0.36	0.85
C-STRM-52_(C-STRM)	0.86	0.86	0.87	0.01	0.80
C-STRM-53_(C-STRM)	0.86	0.87	0.86	0.73	0.86
C-STRM-57_(C-STRM)	0.77	0.78	0.78	0.14	0.71
C-STRM-60_(C-STRM)	0.45	0.45	0.55	0.01	0.01
C-STRM-62_(C-STRM)	0.25	0.25	0.45	0.01	0.01
C-STRM-63_(C-STRM)	0.45	0.45	0.57	0.01	0.01
C-STRM-64_(C-STRM)	0.01	0.01	0.01	0.08	0.01
C-STRM-76_(C-STRM)	0.82	0.86	0.82	0.75	0.82
C-STRM-77_(C-STRM)	0.01	0.82	0.01	0.64	0.01
C-STRM-78_(C-STRM)	0.78	0.78	0.82	0.01	0.55
C-STRM-79_(1)_(C-STRM)	0.01	0.23	0.01	0.63	0.01
C-STRM-79_(C-STRM)	0.21	0.21	0.22	0.01	0.01
C-STRM-8_(1)_(C-STRM)	0.14	0.14	0.23	0.01	0.01
C-STRM-8_(C-STRM)	0.06	0.06	0.14	0.01	0.01
C-STRM-80_(C-STRM)	0.01	0.01	0.01	0.63	0.01
C-STRM-81_(C-STRM)	0.01	0.01	0.01	0.65	0.01
C-STRM-82_(C-STRM)	0.01	0.01	0.01	0.66	0.01
C-STRM-83_(1)_(C-STRM)	0.32	0.32	0.34	0.10	0.12
C-STRM-84_(C-STRM)	0.55	0.58	0.55	0.13	0.55
C-STRM-87_(C-STRM)	0.29	0.29	0.45	0.01	0.01
CVR-C3	0.01	0.01	0.01	0.83	0.01

Analysis begun on: Thu Jun 25 09:03:35 2026
Analysis ended on: Thu Jun 25 09:04:13 2026
Total elapsed time: 00:00:38

4-hour 22MM Chicago Event

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  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------

  WARNING 03: negative offset ignored for Link C2_18
  WARNING 04: minimum elevation drop used for Conduit W1
  WARNING 03: negative offset ignored for Link C-STRM-45_(1)_(C-STRM)
  WARNING 02: maximum depth increased for Node EXD_1
  WARNING 02: maximum depth increased for Node EXD_10
  WARNING 02: maximum depth increased for Node EXD_11
  WARNING 02: maximum depth increased for Node EXD_12
  WARNING 02: maximum depth increased for Node EXD_13
  WARNING 02: maximum depth increased for Node EXD_14
  WARNING 02: maximum depth increased for Node EXD_15
  WARNING 02: maximum depth increased for Node EXD_16
  WARNING 02: maximum depth increased for Node EXD_17
  WARNING 02: maximum depth increased for Node EXD_18
  WARNING 02: maximum depth increased for Node EXD_19
  WARNING 02: maximum depth increased for Node EXD_20
  WARNING 02: maximum depth increased for Node EXD_21
  WARNING 02: maximum depth increased for Node EXD_22
  WARNING 02: maximum depth increased for Node EXD_23
  WARNING 02: maximum depth increased for Node EXD_24
  WARNING 02: maximum depth increased for Node EXD_25
  WARNING 02: maximum depth increased for Node EXD_26
  WARNING 02: maximum depth increased for Node EXD_27
  WARNING 02: maximum depth increased for Node EXD_5
  WARNING 02: maximum depth increased for Node EXD_7
  WARNING 02: maximum depth increased for Node EXD_8
  WARNING 02: maximum depth increased for Node EXD_9
  WARNING 02: maximum depth increased for Node J17
  WARNING 02: maximum depth increased for Node J74

  *************
  Element Count
  *************
  Number of rain gages ...... 3
  Number of subcatchments ... 46
  Number of nodes ........... 150
  Number of links ........... 183
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************

  Name                Data Source                 Data       Recording
                                                  Type       Interval
  ----------------------------------------------------------------------
  24SCS100            24SCS100                    INTENSITY   15 min.
  6SCS050             6SCS050                     INTENSITY   15 min.
  Rainfall            4CHI22MM                    INTENSITY   15 min.


  *********************
  Subcatchment Summary
  *********************
  Name                Area     Width   %Imperv    %Slope Rain Gage           Outlet
  ----------------------------------------------------------------------------------
--------------
  A15_1               1.31     13.10     18.98    0.5000 Rainfall            EXD_8
  A15_2               2.15     13.10     18.98    0.5000 Rainfall            EXD_12
  A18                 0.59    338.21     39.12    0.5000 Rainfall            EXD_25
  A19                 1.11    332.78     22.32    0.5000 Rainfall            EXD_20
  A20                 4.83    279.76      8.37    1.5000 Rainfall            EXD_15
  NULL3               0.57    312.75     83.33    1.4500 Rainfall            EXD_27
  S1                  6.51   1465.85     64.29    2.0000 Rainfall            S_607-605
  S1_1                0.09    154.58     71.43    2.0000 Rainfall            J19
  S1_2                0.14    147.72     71.43    2.0000 Rainfall            J21
  S10_1               1.84    414.84     64.29    2.0000 Rainfall            S_620-619
  S10_2               2.13    479.37     64.29    2.0000 Rainfall            S_623-622
  S10_4               0.74    165.67     64.29    2.0000 Rainfall            S_627-630
  S10_5               1.26    284.06     64.29    2.0000 Rainfall            S_622-619
  S11                 3.29    281.00      0.00    2.0000 Rainfall
Woodlot_North
  S12                 0.44    346.44     71.43    2.0000 Rainfall            J2
  S14_1               0.60    371.55     71.43    2.0000 Rainfall            J27
  S14_3               1.06    381.29     71.43    2.0000 Rainfall            J57
  S14_4               0.31    138.84     71.43    2.0000 Rainfall            J47
  S14_5               1.69    653.02     71.43    2.0000 Rainfall            J28
  S14_6               0.28    141.02     71.43    2.0000 Rainfall            J58
  S14_7               1.19    549.94     71.43    2.0000 Rainfall            J60
  S14_8               0.43    191.40     71.43    2.0000 Rainfall            J50
  S15                 1.64    368.26     64.29    2.0000 Rainfall            S_525-MTD
  S16_1               0.46     16.60    100.00    0.5000 Rainfall            EXD_10
  S16_2               0.99     16.60    100.00    0.5000 Rainfall            EXD_8
  S17                 6.26    202.00      3.33    0.5000 Rainfall            EXD_7
  S18_2               3.35    754.05     67.14    2.0000 Rainfall            S_545-541
  S18_3               1.66    372.76     67.14    2.0000 Rainfall            S_528-525
  S18_4               0.88    197.06     67.14    2.0000 Rainfall            S_540-536
  S18_5               1.83    412.02     67.14    2.0000 Rainfall            S_536-532
  S18_6               0.84    188.96     67.14    2.0000 Rainfall            S_532-528
  S19                 0.97    462.04     71.43    2.0000 Rainfall            J35
  S2                  0.37    154.58     71.43    2.0000 Rainfall            J20
  S2_1                3.14    707.17     67.14    2.0000 Rainfall            637_(C-
STRM)
  S2_2                1.01    228.16     67.14    2.0000 Rainfall            633_(C-
STRM)
  S20_1               0.45    284.74     71.43    2.0000 Rainfall            J42
  S20_2               0.24    137.80     71.43    2.0000 Rainfall            J38
  S3                  2.12    476.98     64.29    2.0000 Rainfall            S_652-604
  S32_1               0.43    369.16     71.43    2.0000 Rainfall            J43
  S32_2               0.16     35.80     64.29    2.0000 Rainfall            S_504-503
  S36                 1.82     21.00    100.00    0.5000 Rainfall            EXD_10
  S4                 13.21    348.80     85.71    1.0000 Rainfall
Industrial_NORTH
  S5                  3.20    206.50     85.71    1.0000 Rainfall
Industrial_South
  S6                  0.34    261.05     57.14    2.0000 Rainfall            OF2
  S7                  3.99    402.80     85.71    0.5000 Rainfall            POND_(C-
STRM)
  S8                  1.60    121.93     35.71    2.0000 Rainfall            PARK


  ************
  Node Summary
  ************

  Name                Type                 Invert      Max.    Ponded    External
                                            Elev.     Depth      Area    Inflow
  ----------------------------------------------------------------------------
  EXD_1               JUNCTION            104.39      1.51       0.0
  EXD_10              JUNCTION             98.65      1.20       0.0
  EXD_11              JUNCTION             98.50      1.20       0.0
  EXD_12              JUNCTION             98.31      1.20       0.0
  EXD_13              JUNCTION            104.32      1.10       0.0
  EXD_14              JUNCTION            102.49      0.80       0.0
  EXD_15              JUNCTION            100.27      0.80       0.0
  EXD_16              JUNCTION            100.20      0.80       0.0
  EXD_17              JUNCTION             99.89      0.80       0.0
  EXD_18              JUNCTION             99.40      0.84       0.0
  EXD_19              JUNCTION             99.19      0.88       0.0
  EXD_2               JUNCTION            103.47      1.93       0.0
  EXD_20              JUNCTION             99.19      0.88       0.0
  EXD_21              JUNCTION             99.18      0.88       0.0
  EXD_22              JUNCTION             99.14      0.88       0.0
  EXD_23              JUNCTION             98.75      1.14       0.0
  EXD_24              JUNCTION             98.67      1.14       0.0
  EXD_25              JUNCTION             98.52      1.13       0.0
  EXD_26              JUNCTION             98.48      1.13       0.0
  EXD_27              JUNCTION             98.17      1.20       0.0
  EXD_3               JUNCTION            103.19      1.41       0.0
  EXD_4               JUNCTION            102.64      1.20       0.0
  EXD_5               JUNCTION            102.50      1.20       0.0
  EXD_6               JUNCTION            102.32      1.08       0.0
  EXD_7               JUNCTION            101.50      1.06       0.0
  EXD_8               JUNCTION            100.48      1.06       0.0
  EXD_9               JUNCTION            100.39      1.06       0.0
  J1                  JUNCTION            103.45      0.50       0.0
  J13                 JUNCTION            103.30      0.50       0.0
  J17                 JUNCTION            104.37      1.04       0.0
  J19                 JUNCTION            105.60      0.50       0.0
  J2                  JUNCTION            109.00      0.50       0.0
  J20                 JUNCTION            105.80      0.50       0.0
  J21                 JUNCTION            105.90      0.50       0.0
  J22                 JUNCTION            106.00      0.50       0.0
  J23                 JUNCTION            106.20      0.50       0.0
  J27                 JUNCTION            109.00      0.50       0.0
  J28                 JUNCTION            108.80      0.50       0.0
  J3                  JUNCTION            103.70      0.50       0.0
  J31                 JUNCTION            106.00      0.50       0.0
  J35                 JUNCTION            104.70      0.50       0.0
  J36                 JUNCTION            104.93      0.50       0.0
  J37                 JUNCTION            104.65      0.50       0.0
  J38                 JUNCTION            104.60      0.50       0.0
  J39                 JUNCTION            104.45      0.50       0.0
  J4                  JUNCTION            103.60      0.50       0.0
  J40                 JUNCTION            103.20      0.50       0.0
  J42                 JUNCTION            104.20      0.50       0.0
  J43                 JUNCTION            104.50      0.50       0.0
  J45                 JUNCTION            104.60      0.50       0.0
  J46                 JUNCTION            105.10      0.50       0.0
  J47                 JUNCTION            105.75      0.50       0.0
  J49                 JUNCTION            105.30      0.50       0.0
  J5                  JUNCTION            103.50      0.50       0.0
  J50                 JUNCTION            106.75      0.50       0.0
  J51                 JUNCTION            109.75      0.50       0.0
  J52                 JUNCTION            109.00      0.50       0.0
  J55                 JUNCTION            109.10      0.50       0.0
  J56                 JUNCTION            108.47      0.50       0.0
  J57                 JUNCTION            108.40      0.50       0.0
  J58                 JUNCTION            108.00      0.50       0.0
  J6                  JUNCTION            103.40      0.50       0.0
  J60                 JUNCTION            107.00      0.50       0.0
  J61                 JUNCTION            106.50      0.50       0.0
  J62                 JUNCTION            105.70      0.50       0.0
  J63                 JUNCTION            105.20      0.50       0.0
  J66                 JUNCTION            107.75      0.50       0.0
  J67                 JUNCTION            107.50      0.50       0.0
  J74                 JUNCTION             98.45      0.90       0.0
  OF1                 OUTFALL             100.80      0.00       0.0
  OF2                 OUTFALL               0.00      0.00       0.0
  OF3/Municipal-Drain OUTFALL              98.00      1.06       0.0
  ST4_108A_(P-Stm)    OUTFALL              98.02      1.19       0.0
  500_(C-STRM)        STORAGE             100.37      2.79       0.0
  502_(C-STRM)        STORAGE             100.57      3.70       0.0
  503_(C-STRM)        STORAGE             100.61      3.91       0.0
  504_(C-STRM)        STORAGE             103.06      2.80       0.0
  505_(C-STRM)        STORAGE             103.48      3.27       0.0
  506_(C-STRM)        STORAGE             103.83      3.15       0.0
  507_(C-STRM)        STORAGE             104.17      3.19       0.0
  508_(C-STRM)        STORAGE             104.39      3.18       0.0
  509_(C-STRM)        STORAGE             104.62      3.12       0.0
  510_(C-STRM)        STORAGE             104.87      3.06       0.0
  511_(C-STRM)        STORAGE             104.94      3.06       0.0
  512_(C-STRM)        STORAGE             105.14      3.10       0.0
  513_(C-STRM)        STORAGE             105.27      3.12       0.0
  514_(C-STRM)        STORAGE             105.61      3.13       0.0
  515_(C-STRM)        STORAGE             105.88      3.22       0.0
  516_(C-STRM)        STORAGE             105.48      3.03       0.0
  517_(C-STRM)        STORAGE             105.64      3.00       0.0
  518_(C-STRM)        STORAGE             105.88      2.90       0.0
  519_(C-STRM)        STORAGE             106.10      2.79       0.0
  520_(C-STRM)        STORAGE             106.37      2.63       0.0
  522_(C-STRM)        STORAGE             104.31      3.00       0.0
  525_(C-STRM)        STORAGE             100.58      2.72       0.0
  528_(C-STRM)        STORAGE             100.70      2.71       0.0
  532_(C-STRM)        STORAGE             100.80      2.70       0.0
  536_(C-STRM)        STORAGE             100.95      2.65       0.0
  540_(C-STRM)        STORAGE             100.83      2.87       0.0
  541_(C-STRM)        STORAGE             100.91      2.92       0.0
  551_(C-STRM)        STORAGE             100.67      3.79       0.0
  552_(C-STRM)        STORAGE             100.77      3.86       0.0
  553_(C-STRM)        STORAGE             100.96      3.76       0.0
  554_(C-STRM)        STORAGE             101.08      3.89       0.0
  555_(C-STRM)        STORAGE             101.27      4.08       0.0
  556_(C-STRM)        STORAGE             101.39      4.21       0.0
  601_(C-STRM)        STORAGE             100.43      4.45       0.0
  602_(C-STRM)        STORAGE             100.48      4.16       0.0
  603_(C-STRM)        STORAGE             100.55      3.99       0.0
  604_(C-STRM)        STORAGE             100.63      5.14       0.0
  605_(C-STRM)        STORAGE             101.38      5.35       0.0
  619_(C-STRM)        STORAGE             101.12      5.40       0.0
  622_(C-STRM)        STORAGE             101.24      4.78       0.0
  626_(C-STRM)        STORAGE             104.00      3.20       0.0
  627_(C-STRM)        STORAGE             103.20      3.50       0.0
  629_(C-STRM)        STORAGE             101.71      4.40       0.0
  630_(C-STRM)        STORAGE             101.83      4.37       0.0
  630A_(C-STRM)       STORAGE             101.88      4.12       0.0
  633_(C-STRM)        STORAGE             105.30      0.50       0.0
  634_(C-STRM)        STORAGE             101.88      3.82       0.0
  637_(C-STRM)        STORAGE             105.35      0.50       0.0
  643_(C-STRM)        STORAGE             102.07      3.45       0.0
  644_(C-STRM)        STORAGE             102.54      3.17       0.0
  645_(C-STRM)        STORAGE             102.30      3.61       0.0
  646_(C-STRM)        STORAGE             102.43      3.34       0.0
  647_(C-STRM)        STORAGE             102.57      3.03       0.0
  650_(C-STRM)        STORAGE             100.99      5.17       0.0
  651_(C-STRM)        STORAGE             100.89      4.99       0.0
  652_(C-STRM)        STORAGE             100.87      4.97       0.0
  Filter_Bed          STORAGE             100.10      1.48       0.0
  Industrial_NORTH    STORAGE             105.20      0.50       0.0
  Industrial_South    STORAGE             105.00      0.50       0.0
  MTD_(C-STRM)        STORAGE             100.36      3.02       0.0
  OVERFLOW_(C-STRM)   STORAGE             100.17      2.83       0.0
  PARK                STORAGE             105.36      0.50       0.0
  POND_(C-STRM)       STORAGE              98.45      2.65       0.0    Yes
  S_504-503           STORAGE             105.75      0.50       0.0
  S_525-MTD           STORAGE             103.45      0.50       0.0
  S_528-525           STORAGE             103.50      0.50       0.0
  S_532-528           STORAGE             103.65      0.50       0.0
  S_536-532           STORAGE             103.70      0.50       0.0
  S_540-536           STORAGE             103.85      0.50       0.0
  S_545-541           STORAGE             103.90      0.50       0.0
  S_607-605           STORAGE             107.90      0.50       0.0
  S_620-619           STORAGE             106.90      0.50       0.0
  S_622-619           STORAGE             106.00      0.50       0.0
  S_623-622           STORAGE             106.50      0.50       0.0
  S_627-630           STORAGE             106.70      0.50       0.0
  S_652-604           STORAGE             105.85      0.50       0.0
  Woodlot_North       STORAGE             106.75      0.50       0.0


  ************
  Link Summary
  ************
  Name                From Node       To Node         Type           Length    %Slope
Roughness
  ----------------------------------------------------------------------------------
-
  BDR-C1              EXD_15          EXD_16          CONDUIT          17.7    0.3844
0.0250
  BDR-C2              EXD_20          EXD_21          CONDUIT           7.9    0.0632
0.0130
  BDR-C3              EXD_25          EXD_26          CONDUIT          14.2    0.2683
0.0130
  BDR-C4              EXD_12          EXD_27          CONDUIT          23.0    0.6077
0.0130
  C1                  J27             J28             CONDUIT         185.8    0.1077
0.0130
  C1_1                J28             J57             CONDUIT         329.5    0.1214
0.0130
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C1_11	J47	J43	CONDUIT	75.0	1.6661
0.0130					
C1_2	J55	J57	CONDUIT	190.6	0.3672
0.0130					
C1_3	J56	J57	CONDUIT	40.0	0.1748
0.0130					
C1_4	J58	J66	CONDUIT	70.2	0.3562
0.0130					
C1_5	J57	J58	CONDUIT	76.8	0.5205
0.0130					
C1_6	J66	J67	CONDUIT	70.0	0.3571
0.0130					
C1_7	J67	J60	CONDUIT	69.8	0.7166
0.0130					
C1_8	J60	J50	CONDUIT	73.0	0.3424
0.0130					
C1_9	J50	J47	CONDUIT	92.6	1.0800
0.0130					
C2	J2	EXD_1	CONDUIT	173.2	1.9632
0.0130					
C2_1	J51	J52	CONDUIT	39.5	1.8977
0.0130					
C2_10	J63	J36	CONDUIT	39.5	0.6883
0.0130					
C2_11	J36	J35	CONDUIT	72.0	0.3166
0.0130					
C2_12	J35	J37	CONDUIT	45.5	0.1098
0.0130					
C2_13	J37	J38	CONDUIT	28.9	0.1729
0.0130					
C2_14	J38	J39	CONDUIT	44.0	0.3457
0.0130					
C2_15	J39	J42	CONDUIT	72.0	0.3442
0.0130					
C2_16	J43	J42	CONDUIT	31.1	0.9633
0.0130					
C2_18	J45	J43	CONDUIT	70.2	0.1425
0.0130					
C2_2	J60	J61	CONDUIT	75.0	0.6666
0.0130					
C2_3	J52	J60	CONDUIT	165.4	1.2090
0.0130					
C2_4	J61	J31	CONDUIT	72.0	0.6944
0.0130					
C2_5	J23	J31	CONDUIT	163.3	0.1225
0.0130					
C2_7	J23	J22	CONDUIT	27.9	0.7165
0.0130					
C2_8	J19	J63	CONDUIT	110.8	0.3610
0.0130					
C2_9	J46	J45	CONDUIT	93.4	0.5355
0.0130					
C3	J3	J4	CONDUIT	72.6	0.1378
0.0130					
C3_2	J22	J21	CONDUIT	73.0	0.1370
0.0130					
C3_6	J21	J20	CONDUIT	75.8	0.1319
0.0130					
C3_7	J20	J19	CONDUIT	112.3	0.1781
0.0130					
C4	J4	J5	CONDUIT	49.7	0.2012
0.0130					
C4_5	J1	J13	CONDUIT	118.4	0.1267
0.0130					
C4_6	J42	J40	CONDUIT	45.9	2.1776
0.0130					
C4_7	J13	J40	CONDUIT	64.4	0.1553
0.0130					
C5	J5	J6	CONDUIT	68.4	0.1461
0.0130					
C5_1	EXD_1	J17	CONDUIT	19.0	0.1054
0.0250					
C5_10	EXD_16	EXD_17	CONDUIT	81.0	0.3866
0.0250					
C5_11	EXD_18	EXD_19	CONDUIT	109.9	0.1893
0.0250					
C5_12	EXD_27	OF3/Municipal-Drain	CONDUIT	27.1	0.6098
0.0250					
C5_13	EXD_17	EXD_18	CONDUIT	99.9	0.4876
0.0250					
C5_14	EXD_19	EXD_20	CONDUIT	12.7	0.0550
0.0250					
C5_15	EXD_22	EXD_23	CONDUIT	101.7	0.3893
0.0250					
C5_16	EXD_23	EXD_24	CONDUIT	102.4	0.0781
0.0250					
C5_17	EXD_24	EXD_25	CONDUIT	54.8	0.2645
0.0250					
C5_18	J31	J62	CONDUIT	71.0	0.4225
0.0130					
C5_19	EXD_21	EXD_22	CONDUIT	66.3	0.0558
0.0250					
C5_2	EXD_2	EXD_3	CONDUIT	95.1	0.2933
0.0250					
C5_20	EXD_26	EXD_27	CONDUIT	121.0	0.2645
0.0250					
C5_21	EXD_14	EXD_15	CONDUIT	142.1	1.5626
0.0250					
C5_23	J17	EXD_13	CONDUIT	37.0	0.1299
0.0250					
C5_24	J62	J49	CONDUIT	91.3	0.4382
0.0130					
C5_25	J49	J38	CONDUIT	76.5	0.9152
0.0130					
C5_3	EXD_13	EXD_2	CONDUIT	104.3	0.8195
0.0250					
C5_4	EXD_4	EXD_5	CONDUIT	16.6	0.8880
0.0250					
C5_5	EXD_6	EXD_7	CONDUIT	104.5	0.7893
0.0250					
C5_6	EXD_3	EXD_4	CONDUIT	61.7	0.8871
0.0250					
C5_7	EXD_9	EXD_10	CONDUIT	284.4	0.6091
0.0250					
C5_8	EXD_7	EXD_8	CONDUIT	165.7	0.6095
0.0250					
C5_9	EXD_11	EXD_12	CONDUIT	31.7	0.6087
0.0250					
C6	J6	J13	CONDUIT	71.5	0.1398
0.0130					
C7	J40	Filter_Bed	CONDUIT	63.6	0.3144
0.0130					
C-STRM-1_(1)_(1)_(C-STRM)	516_(C-STRM)	513_(C-STRM)	CONDUIT	106.6	0.1998
0.0130					
C-STRM-1_(1)_(C-STRM)	517_(C-STRM)	516_(C-STRM)	CONDUIT	106.0	0.1500
0.0130					
C-STRM-1_(C-STRM)	518_(C-STRM)	517_(C-STRM)	CONDUIT	106.6	0.1500
0.0130					
C-STRM-100_(C-STRM)	OVERFLOW_(C-STRM)	500_(C-STRM)	CONDUIT	26.4	0.4998
0.0130					
C-STRM-101_(C-STRM)	500_(C-STRM)	POND_(C-STRM)	CONDUIT	12.9	0.5021
0.0130					
C-STRM-102_(C-STRM)	OVERFLOW_(C-STRM)	Filter_Bed	CONDUIT	14.0	0.5008
0.0130					
C-STRM-105_(C-STRM)	645_(C-STRM)	630A_(C-STRM)	CONDUIT	73.9	0.1502
0.0130					
C-STRM-106_(C-STRM)	643_(C-STRM)	634_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-107_(1)_(C-STRM)	652_(C-STRM)	604_(C-STRM)	CONDUIT	61.9	0.1502
0.0130					
C-STRM-107_(C-STRM)	651_(C-STRM)	652_(C-STRM)	CONDUIT	10.7	0.1495
0.0130					
C-STRM-2_(1)_(C-STRM)	512_(C-STRM)	511_(C-STRM)	CONDUIT	44.5	0.4498
0.0130					
C-STRM-2_(C-STRM)	513_(C-STRM)	512_(C-STRM)	CONDUIT	29.3	0.4502
0.0130					
C-STRM-20_(C-STRM)	626_(C-STRM)	627_(C-STRM)	CONDUIT	72.4	1.0002
0.0130					
C-STRM-21_(C-STRM)	627_(C-STRM)	630_(C-STRM)	CONDUIT	74.3	0.4995
0.0130					
C-STRM-22_(1)_(C-STRM)	629_(C-STRM)	622_(C-STRM)	CONDUIT	81.4	0.1499
0.0130					
C-STRM-22_(C-STRM)	630_(C-STRM)	629_(C-STRM)	CONDUIT	82.1	0.1498
0.0130					
C-STRM-23_(C-STRM)	634_(C-STRM)	622_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-26_(1)_(C-STRM)	551_(C-STRM)	502_(C-STRM)	CONDUIT	60.8	0.1613
0.0130					
C-STRM-26_(C-STRM)	552_(C-STRM)	551_(C-STRM)	CONDUIT	60.3	0.1593
0.0130					
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	506_(C-STRM)	505_(C-STRM)	CONDUIT		
70.0	0.4998	0.0130			
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	507_(C-STRM)	506_(C-STRM)	CONDUIT	51.7	
0.5005	0.0130				
C-STRM-3_(1)_(1)_(1)_(C-STRM)	508_(C-STRM)	507_(C-STRM)	CONDUIT	45.5	
0.5011	0.0130				
C-STRM-3_(1)_(1)_(C-STRM)	509_(C-STRM)	508_(C-STRM)	CONDUIT	45.5	0.4989
0.0130					
C-STRM-3_(1)_(2)_(C-STRM)	510_(C-STRM)	509_(C-STRM)	CONDUIT	55.7	0.4507
0.0130					
C-STRM-3_(1)_(C-STRM)	511_(C-STRM)	510_(C-STRM)	CONDUIT	14.5	0.4469
0.0130					
C-STRM-33_(1)_(C-STRM)	646_(C-STRM)	645_(C-STRM)	CONDUIT	91.0	0.1505
0.0130					
C-STRM-33_(C-STRM)	647_(C-STRM)	646_(C-STRM)	CONDUIT	92.9	0.1496
0.0130					
C-STRM-34_(1)_(1)_(C-STRM)	555_(C-STRM)	554_(C-STRM)	CONDUIT	75.2	
0.1596	0.0130				
C-STRM-34_(1)_(C-STRM)	556_(C-STRM)	555_(C-STRM)	CONDUIT	75.2	0.1596
0.0130					
C-STRM-35_(1)_(C-STRM)	553_(C-STRM)	552_(C-STRM)	CONDUIT	72.1	0.1596
0.0130					
C-STRM-35_(C-STRM)	554_(C-STRM)	553_(C-STRM)	CONDUIT	72.0	0.1611
0.0130					
C-STRM-4_(1)_(C-STRM)	504_(C-STRM)	503_(C-STRM)	CONDUIT	83.2	0.6007
0.0130					
C-STRM-4_(C-STRM)	505_(C-STRM)	504_(C-STRM)	CONDUIT	84.0	0.4998
0.0130					
C-STRM-46_(1)_(1)_(C-STRM)	650_(C-STRM)	651_(C-STRM)	CONDUIT	68.0	
0.1500	0.0130				
C-STRM-46_(1)_(C-STRM)	619_(C-STRM)	650_(C-STRM)	CONDUIT	89.7	0.1506
0.0130					
C-STRM-49_(C-STRM)	541_(C-STRM)	540_(C-STRM)	CONDUIT	47.7	0.1508
0.0130					
C-STRM-50_(C-STRM)	540_(C-STRM)	536_(C-STRM)	CONDUIT	72.0	0.1500
0.0130					
C-STRM-51_(C-STRM)	536_(C-STRM)	532_(C-STRM)	CONDUIT	48.5	0.1505
0.0130					
C-STRM-52_(C-STRM)	532_(C-STRM)	528_(C-STRM)	CONDUIT	69.0	0.1507
0.0130					
C-STRM-53_(C-STRM)	528_(C-STRM)	525_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-57_(C-STRM)	503_(C-STRM)	502_(C-STRM)	CONDUIT	27.5	0.1489
0.0130					
C-STRM-60_(C-STRM)	644_(C-STRM)	643_(C-STRM)	CONDUIT	67.2	0.2486
0.0130					
C-STRM-62_(C-STRM)	520_(C-STRM)	519_(C-STRM)	CONDUIT	95.9	0.2003
0.0130					
C-STRM-63_(C-STRM)	519_(C-STRM)	518_(C-STRM)	CONDUIT	97.4	0.1498
0.0130					
C-STRM-64_(C-STRM)	522_(C-STRM)	EXD_1	CONDUIT	81.9	0.2504
0.0130					
C-STRM-76_(C-STRM)	525_(C-STRM)	MTD_(C-STRM)	CONDUIT	72.6	0.1998
0.0130					
C-STRM-77_(C-STRM)	MTD_(C-STRM)	OVERFLOW_(C-STRM)	CONDUIT	38.5	0.4986
0.0130					
C-STRM-78_(C-STRM)	502_(C-STRM)	MTD_(C-STRM)	CONDUIT	44.0	0.3003
0.0130					
C-STRM-79_(1)_(C-STRM)	604_(C-STRM)	603_(C-STRM)	CONDUIT	72.0	0.1000
0.0130					
C-STRM-79_(C-STRM)	605_(C-STRM)	604_(C-STRM)	CONDUIT	89.5	0.1508
0.0130					
C-STRM-8_(1)_(C-STRM)	514_(C-STRM)	513_(C-STRM)	CONDUIT	95.2	0.1997
0.0130					
C-STRM-8_(C-STRM)	515_(C-STRM)	514_(C-STRM)	CONDUIT	95.1	0.1997
0.0130					
C-STRM-80_(C-STRM)	603_(C-STRM)	602_(C-STRM)	CONDUIT	74.3	0.0996
0.0130					
C-STRM-81_(C-STRM)	602_(C-STRM)	601_(C-STRM)	CONDUIT	46.7	0.1007
0.0130					
C-STRM-82_(C-STRM)	601_(C-STRM)	POND_(C-STRM)	CONDUIT	33.0	0.1000
0.0130					
C-STRM-83_(1)_(C-STRM)	630A_(C-STRM)	630_(C-STRM)	CONDUIT	27.1	0.1513
0.0130					
C-STRM-84_(C-STRM)	622_(C-STRM)	619_(C-STRM)	CONDUIT	75.0	0.1493
0.0130					
C-STRM-87_(C-STRM)	645_(C-STRM)	644_(C-STRM)	CONDUIT	68.6	0.2494
0.0130					
CVR-C2	EXD_5	EXD_6	CONDUIT	19.8	0.8875
0.0130					
CVR-C3	EXD_8	EXD_9	CONDUIT	16.4	0.6114
0.0130					
CVR-C4	EXD_10	EXD_11	CONDUIT	25.4	0.6110
0.0130					
ST4-Pipe_-_(99)_(P-Stm)	J74	ST4_108A_(P-Stm)	CONDUIT	49.3	0.2840
0.0130					
W1	Filter_Bed	POND_(C-STRM)	CONDUIT	4.9	0.0063
0.0250					
OR1	POND_(C-STRM)	J74	ORIFICE		
OR2	POND_(C-STRM)	J74	ORIFICE		
W10	637_(C-STRM)	J35	WEIR		
W11	633_(C-STRM)	J49	WEIR		
W12	S_652-604	J47	WEIR		
W13	S_545-541	J3	WEIR		
W14	S_540-536	J3	WEIR		
W15	S_536-532	J4	WEIR		
W16	S_532-528	J5	WEIR		
W17	S_528-525	J6	WEIR		
W2	POND_(C-STRM)	OF1	WEIR		
W3	S_507-503	J47	WEIR		
W4	S_627-630	J23	WEIR		
W5	S_525-MTD	J13	WEIR		
W6	S_623-622	J31	WEIR		
W7	S_620-619	J61	WEIR		
W8	S_607-605	J50	WEIR		
W9	S_622-619	J31	WEIR		
C-STRM-108_(1)_(C-STRM)	633_(C-STRM)	634_(C-STRM)	OUTLET		
C-STRM-14_(1)_(C-STRM)	S_607-605	605_(C-STRM)	OUTLET		
C-STRM-27_(C-STRM)	S_623-622	622_(C-STRM)	OUTLET		
C-STRM-42_(C-STRM)	S_545-541	541_(C-STRM)	OUTLET		
C-STRM-44_(1)_(C-STRM)	S_525-MTD	525_(C-STRM)	OUTLET		
C-STRM-45_(1)_(C-STRM)	S_620-619	619_(C-STRM)	OUTLET		
C-STRM-61_(C-STRM)	637_(C-STRM)	643_(C-STRM)	OUTLET		
C-STRM-71_(C-STRM)	Industrial_South	647_(C-STRM)	OUTLET		
C-STRM-83_(C-STRM)	Industrial_NORTH	630A_(C-STRM)	OUTLET		
C-STRM-93_(C-STRM)	S_540-536	540_(C-STRM)	OUTLET		
C-STRM-96_(1)_(C-STRM)	S_536-532	536_(C-STRM)	OUTLET		
C-STRM-97_(1)_(C-STRM)	S_532-528	532_(C-STRM)	OUTLET		
C-STRM-98_(1)_(C-STRM)	S_528-525	528_(C-STRM)	OUTLET		
OL1	S_622-619	622_(C-STRM)	OUTLET		
OL10	Filter_Bed	POND_(C-STRM)	OUTLET		
OL11	J50	505_(C-STRM)	OUTLET		
OL12	J60	506_(C-STRM)	OUTLET		
OL13	J58	511_(C-STRM)	OUTLET		
OL14	J57	513_(C-STRM)	OUTLET		
OL15	J28	518_(C-STRM)	OUTLET		
OL16	J2	522_(C-STRM)	OUTLET		
OL17	J27	520_(C-STRM)	OUTLET		
OL18	J19	647_(C-STRM)	OUTLET		
OL19	J20	646_(C-STRM)	OUTLET		
OL2	J35	553_(C-STRM)	OUTLET		
OL20	S_504-503	504_(C-STRM)	OUTLET		
OL21	PARK	602_(C-STRM)	OUTLET		
OL22	J21	645_(C-STRM)	OUTLET		
OL3	J38	552_(C-STRM)	OUTLET		
OL4	J42	502_(C-STRM)	OUTLET		
OL5	J43	503_(C-STRM)	OUTLET		

OL6	Woodlot_North	626_(C-STRM)	OUTLET	
OL7	S_627-630	627_(C-STRM)	OUTLET	
OL8	S_652-604	652_(C-STRM)	OUTLET	
OL9	J47	504_(C-STRM)	OUTLET	

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Cross Section Summary
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Conduit	Shape	Full Depth	Full Area	Hyd. Rad.	Max. Width	No. of Barrels	Full Flow
BDR-C1	CIRCULAR	0.40	0.13	0.10	0.40	1	0.07
BDR-C2	CIRCULAR	0.40	0.13	0.10	0.40	1	0.05
BDR-C3	CIRCULAR	0.50	0.20	0.12	0.50	1	0.20
BDR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.04
C1	ROW_26m	0.30	3.49	0.14	26.00	1	2.36
C1_1	ROW_26m	0.30	3.49	0.14	26.00	1	2.51
C1_11	ROW_24m	0.32	3.34	0.14	24.00	1	9.04
C1_2	ROW_26m	0.30	3.49	0.14	26.00	1	4.36
C1_3	ROW_24m	0.32	3.34	0.14	24.00	1	2.93
C1_4	ROW_24m	0.32	3.34	0.14	24.00	1	4.18
C1_5	ROW_24m	0.32	3.34	0.14	24.00	1	5.05
C1_6	ROW_24m	0.32	3.34	0.14	24.00	1	4.19
C1_7	ROW_24m	0.32	3.34	0.14	24.00	1	5.93
C1_8	ROW_24m	0.32	3.34	0.14	24.00	1	4.10
C1_9	ROW_24m	0.32	3.34	0.14	24.00	1	7.28
C2	ROW_26m	0.30	3.49	0.14	26.00	1	10.08
C2_1	ROW_18m	0.25	2.05	0.13	18.00	1	5.63
C2_10	ROW_20m	0.27	2.37	0.13	20.00	1	3.98
C2_11	ROW_20m	0.27	2.37	0.13	20.00	1	2.70
C2_12	ROW_20m	0.27	2.37	0.13	20.00	1	1.59
C2_13	ROW_20m	0.27	2.37	0.13	20.00	1	1.99
C2_14	ROW_20m	0.27	2.37	0.13	20.00	1	2.82
C2_15	ROW_20m	0.27	2.37	0.13	20.00	1	2.81
C2_16	ROW_20m	0.27	2.37	0.13	20.00	1	4.71
C2_18	ROW_24m	0.32	3.34	0.14	24.00	1	2.64
C2_2	ROW_18m	0.25	2.05	0.13	18.00	1	3.33
C2_3	ROW_18m	0.25	2.05	0.13	18.00	1	4.49
C2_4	ROW_18m	0.25	2.05	0.13	18.00	1	3.40
C2_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.43
C2_7	ROW_18m	0.25	2.05	0.13	18.00	1	3.46
C2_8	ROW_20m	0.27	2.37	0.13	20.00	1	2.88
C2_9	ROW_24m	0.32	3.34	0.14	24.00	1	5.13
C3	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.04
C3_2	ROW_18m	0.25	2.05	0.13	18.00	1	1.51
C3_6	ROW_18m	0.25	2.05	0.13	18.00	1	1.48
C3_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.72
C4	RECT_OPEN	0.50	3.10	0.43	6.19	1	6.09
C4_5	ROW_18m	0.25	2.05	0.13	18.00	1	1.45
C4_6	ROW_18m	0.25	2.05	0.13	18.00	1	6.03
C4_7	ROW_18m	0.25	2.05	0.13	18.00	1	1.61
C5	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.19
C5_1	Upstream1	1.04	5.92	0.43	13.00	1	4.37
C5_10	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	3.43
C5_11	Barnsdale_UPST3	0.84	3.40	0.32	10.00	1	2.77
C5_12	Upstream6	1.06	6.96	0.40	17.00	1	11.86
C5_13	Barnsdale_UPST2	0.77	3.01	0.30	9.50	1	3.74
C5_14	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.49
C5_15	Barnsdale_UPST5	0.80	3.10	0.32	9.00	1	3.61
C5_16	Barnsdale_UPST6	1.14	6.38	0.46	13.00	1	4.25
C5_17	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.23
C5_18	ROW_18m	0.25	2.05	0.13	18.00	1	2.65
C5_19	Barnsdale_UPST4	0.88	3.22	0.34	8.50	1	1.50
C5_2	Upstream3	1.07	5.77	0.42	13.00	1	6.98
C5_20	Barnsdale_UPST7	1.13	7.59	0.53	13.50	1	10.24
C5_21	Barnsdale_UPST1	0.80	3.11	0.29	10.00	1	6.89
C5_23	Upstream1	1.04	5.92	0.43	13.00	1	4.86
C5_24	ROW_18m	0.25	2.05	0.13	18.00	1	2.70
C5_25	ROW_18m	0.25	2.05	0.13	18.00	1	3.91
C5_3	Upstream2	1.10	6.55	0.44	14.00	1	13.83
C5_4	Upstream4	1.20	7.30	0.50	13.50	1	17.41
C5_5	Upstream5	1.06	6.46	0.42	15.00	1	12.79
C5_6	Upstream4	1.20	7.30	0.50	13.50	1	17.40
C5_7	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_8	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C5_9	Upstream6	1.06	6.96	0.40	17.00	1	11.85
C6	RECT_OPEN	0.50	3.10	0.43	6.19	1	5.08
C7	RECT_OPEN	0.50	3.10	0.43	6.19	1	7.61
C-STRM-1_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.38
C-STRM-1_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.33
C-STRM-1_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.24
C-STRM-100_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.43
C-STRM-101_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.44
C-STRM-102_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-105_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-106_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.43
C-STRM-107_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-107_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-2_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-2_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-200_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.29
C-STRM-21_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.30
C-STRM-22_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-22_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.74
C-STRM-23_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-26_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-26_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.34
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.60
C-STRM-3_(1)_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.59
C-STRM-3_(1)_(2)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-3_(1)_(C-STRM)	CIRCULAR	0.68	0.36	0.17	0.68	1	0.56
C-STRM-33_(1)_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-33_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-34_(1)_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-34_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-35_(1)_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-35_(C-STRM)	CIRCULAR	0.60	0.28	0.15	0.60	1	0.25
C-STRM-4_(1)_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.86
C-STRM-4_(C-STRM)	CIRCULAR	0.75	0.44	0.19	0.75	1	0.79
C-STRM-46_(1)_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.53
C-STRM-46_(1)_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.54
C-STRM-49_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-50_(C-STRM)	CIRCULAR	0.82	0.53	0.21	0.82	1	0.56
C-STRM-51_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-52_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-53_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.87
C-STRM-57_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	0.86
C-STRM-60_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.14
C-STRM-62_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-63_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.17
C-STRM-64_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
C-STRM-76_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.00
C-STRM-77_(C-STRM)	CIRCULAR	1.05	0.87	0.26	1.05	1	1.93
C-STRM-78_(C-STRM)	CIRCULAR	0.97	0.75	0.24	0.97	1	1.23
C-STRM-79_(1)_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-79_(C-STRM)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.70
C-STRM-8_(1)_(C-STRM)	CIRCULAR	0.53	0.22	0.13	0.53	1	0.19
C-STRM-8_(C-STRM)	CIRCULAR	0.45	0.16	0.11	0.45	1	0.13
C-STRM-80_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.63
C-STRM-81_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.65
C-STRM-82_(C-STRM)	CIRCULAR	1.80	2.54	0.45	1.80	1	3.64
C-STRM-83_(1)_(C-STRM)	CIRCULAR	1.50	1.77	0.38	1.50	1	2.75
C-STRM-84_(C-STRM)	CIRCULAR	1.65	2.14	0.41	1.65	1	3.52
C-STRM-87_(C-STRM)	CIRCULAR	0.38	0.11	0.09	0.38	1	0.09
CVR-C2	CIRCULAR	0.45	0.16	0.11	0.45	1	0.27
CVR-C3	CIRCULAR	0.40	0.13	0.10	0.40	1	0.16
CVR-C4	CIRCULAR	1.20	1.13	0.30	1.20	1	3.05
ST4-Pipe_-_(99)_(P-Stm)	CIRCULAR	0.90	0.64	0.23	0.90	1	0.96
W1	Pond_SpillWay	3.89	318.30	4.06	128.79	1	256.54

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Transect Summary
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Transect Barnsdale_UPST1
Area:

0.0007	0.0026	0.0059	0.0100	0.0149
0.0207	0.0273	0.0348	0.0435	0.0533
0.0641	0.0755	0.0875	0.1001	0.1134
0.1273	0.1419	0.1570	0.1727	0.1890
0.2058	0.2232	0.2412	0.2598	0.2794
0.3002	0.3220	0.3442	0.3665	0.3891
0.4119	0.4349	0.4583	0.4822	0.5066
0.5315	0.5570	0.5831	0.6101	0.6380
0.6668	0.6965	0.7269	0.7591	0.7934
0.8297	0.8679	0.9090	0.9525	1.0000

Hrad:

0.0267	0.0534	0.0845	0.1173	0.1482
0.1779	0.2068	0.2377	0.2500	0.2739
0.3074	0.3422	0.3761	0.4092	0.4417
0.4735	0.5058	0.5384	0.5706	0.6022
0.6336	0.6645	0.6952	0.7211	0.7289
0.7389	0.7693	0.8107	0.8515	0.8918
0.9314	0.9705	0.9981	1.0255	1.0527
1.0797	1.1065	1.1183	1.1300	1.1430
1.1590	1.1755	1.1892	1.1587	1.1416
1.1348	1.1201	1.0963	1.0803	1.0000

Width:

0.0256	0.0512	0.0720	0.0882	0.1043
0.1204	0.1365	0.1575	0.1801	0.2014
0.2154	0.2277	0.2399	0.2522	0.2645
0.2767	0.2885	0.2997	0.3108	0.3220
0.3332	0.3444	0.3555	0.3691	0.3929
0.4167	0.4284	0.4327	0.4370	0.4414
0.4457	0.4500	0.4599	0.4698	0.4796
0.4895	0.4994	0.5167	0.5344	0.5520
0.5684	0.5847	0.6028	0.6472	0.6875
0.7239	0.7682	0.8237	0.8773	1.0000

Transect Barnsdale_UPST2
Area:

0.0005	0.0018	0.0041	0.0073	0.0120
0.0186	0.0260	0.0341	0.0428	0.0523
0.0626	0.0736	0.0854	0.0979	0.1110
0.1249	0.1397	0.1578	0.1780	0.1990
0.2203	0.2420	0.2642	0.2867	0.3095
0.3327	0.3562	0.3798	0.4037	0.4277
0.4520	0.4765	0.5012	0.5261	0.5512
0.5765	0.6020	0.6278	0.6540	0.6807
0.7080	0.7357	0.7640	0.7931	0.8231
0.8541	0.8865	0.9207	0.9573	1.0000

Hrad:

0.0256	0.0511	0.0767	0.1022	0.1074
0.1357	0.1722	0.2069	0.2401	0.2711
0.3004	0.3302	0.3603	0.3898	0.4189
0.4476	0.4815	0.4190	0.4388	0.4798
0.5199	0.5592	0.5977	0.6356	0.6728
0.7128	0.7535	0.7938	0.8334	0.8726
0.9113	0.9495	0.9872	1.0245	1.0613
1.0977	1.1337	1.1646	1.1879	1.2112
1.2344	1.2576	1.2751	1.2829	1.2917
1.2903	1.2812	1.2529	1.2104	1.0000

Width:

0.0187	0.0374	0.0561	0.0748	0.1175
0.1437	0.1580	0.1723	0.1866	0.2018
0.2178	0.2330	0.2475	0.2621	0.2767
0.2912	0.3305	0.3942	0.4243	0.4322
0.4400	0.4479	0.4557	0.4636	0.4714
0.4767	0.4810	0.4853	0.4895	0.4938
0.4981	0.5023	0.5066	0.5109	0.5152
0.5194	0.5237	0.5304	0.5408	0.5513
0.5617	0.5722	0.5855	0.6041	0.6226
0.6472	0.6774	0.7214	0.7794	1.0000

Transect Barnsdale_UPST3
Area:

0.0027	0.0069	0.0125	0.0193	0.0272
0.0363	0.0466	0.0579	0.0700	0.0826
0.0959	0.1097	0.1240	0.1388	0.1542
0.1700	0.1863	0.2031	0.2203	0.2379
0.2560	0.2747	0.2941	0.3141	0.3347
0.3558	0.3771	0.3985	0.4201	0.4418
0.4636	0.4856	0.5078	0.5301	0.5527
0.5758	0.5993	0.6232	0.6476	0.6725
0.6978	0.7237	0.7501	0.7771	0.8071
0.8402	0.8745	0.9118	0.9532	1.0000

Hrad:

0.0392	0.0744	0.1058	0.1366	0.1672
0.1959	0.2240	0.2580	0.2951	0.3310
0.3684	0.4055	0.4418	0.4773	0.5121
0.5462	0.5798	0.6159	0.6517	0.6870
0.7143	0.7404	0.7665	0.7925	0.8185
0.8566	0.8974	0.9376	0.9773	1.0164
1.0550	1.0931	1.1307	1.1674	1.1903
1.2133	1.2361	1.2590	1.2818	1.3028
1.3220	1.3414	1.3608	1.3804	1.2136
1.2174	1.2098	1.1515	1.0615	1.0000

Width:

0.0725	0.0983	0.1241	0.1486	0.1712
0.1949	0.2186	0.2358	0.2487	0.2616
0.2724	0.2826	0.2929	0.3031	0.3133
0.3235	0.3337	0.3419	0.3500	0.3580
0.3702	0.3830	0.3958	0.4086	0.4214
0.4264	0.4294	0.4323	0.4353	0.4382
0.4412	0.4442	0.4471	0.4503	0.4593
0.4683	0.4773	0.4863	0.4953	0.5050
0.5156	0.5261	0.5367	0.5473	0.6537
0.6785	0.7115	0.7829	0.8936	1.0000

Transect Barnsdale_UPST4
Area:

0.0019	0.0059	0.0112	0.0176	0.0253
0.0342	0.0443	0.0558	0.0685	0.0822
0.0971	0.1130	0.1308	0.1486	0.1667
0.1851	0.2037	0.2227	0.2420	0.2614
0.2810	0.3009	0.3209	0.3410	0.3614
0.3820	0.4028	0.4237	0.4448	0.4662
0.4877	0.5094	0.5313	0.5534	0.5759
0.5987	0.6218	0.6452	0.6689	0.6930
0.7173	0.7420	0.7676	0.7942	0.8219
0.8514	0.8839	0.9202	0.9581	1.0000

Hrad:

0.0280	0.0647	0.0967	0.1263	0.1549
0.1817	0.2078	0.2337	0.2601	0.2914
0.3149	0.3386	0.3726	0.4140	0.4543
0.4937	0.5323	0.5700	0.6090	0.6481
0.6864	0.7241	0.7612	0.7976	0.8335
0.8688	0.9036	0.9379	0.9716	1.0049
1.0377	1.0701	1.1011	1.1277	1.1541
1.1801	1.2060	1.2316	1.2570	1.2823
1.3073	1.3203	1.3149	1.3115	1.2912
1.2608	1.1459	1.1371	1.1279	1.0000

Width:

0.0734	0.0994	0.1255	0.1515	0.1772
0.2041	0.2314	0.2587	0.2854	0.3056
0.3340	0.3624	0.3786	0.3849	0.3912

0.3975 0.4038 0.4101 0.4147 0.4188
0.4228 0.4269 0.4309 0.4350 0.4390
0.4430 0.4471 0.4511 0.4552 0.4592
0.4633 0.4673 0.4719 0.4786 0.4852
0.4919 0.4986 0.5052 0.5119 0.5186
0.5252 0.5375 0.5591 0.5808 0.6126
0.6529 0.7560 0.7953 0.8372 1.0000

Transect Barnsdale_UPST5
Area:
0.0011 0.0046 0.0104 0.0185 0.0278
0.0383 0.0495 0.0612 0.0736 0.0865
0.1000 0.1141 0.1288 0.1443 0.1606
0.1778 0.1959 0.2143 0.2330 0.2518
0.2709 0.2903 0.3099 0.3296 0.3497
0.3699 0.3904 0.4111 0.4319 0.4530
0.4743 0.4958 0.5175 0.5395 0.5616
0.5839 0.6064 0.6292 0.6521 0.6753
0.6991 0.7235 0.7484 0.7740 0.8019
0.8364 0.8742 0.9142 0.9560 1.0000
Hrad:
0.0248 0.0493 0.0735 0.1040 0.1389
0.1735 0.2124 0.2498 0.2859 0.3209
0.3550 0.3881 0.4187 0.4434 0.4680
0.4924 0.5212 0.5606 0.5992 0.6372
0.6745 0.7111 0.7472 0.7827 0.8176
0.8520 0.8860 0.9202 0.9539 0.9872
1.0201 1.0525 1.0845 1.1162 1.1474
1.1784 1.2090 1.2392 1.2691 1.2876
1.2994 1.3117 1.3244 1.3163 1.1702
1.0461 1.0307 1.0260 1.0309 1.0000
Width:
0.0497 0.0999 0.1518 0.1903 0.2141
0.2355 0.2481 0.2607 0.2733 0.2859
0.2985 0.3111 0.3252 0.3438 0.3625
0.3813 0.3961 0.4010 0.4059 0.4108
0.4157 0.4206 0.4255 0.4303 0.4352
0.4401 0.4450 0.4494 0.4538 0.4583
0.4627 0.4716 0.4761 0.4805 0.4850
0.4850 0.4894 0.4938 0.4983 0.5078
0.5204 0.5330 0.5457 0.5684 0.6711
0.7919 0.8423 0.8866 0.9238 1.0000

Transect Barnsdale_UPST6
Area:
0.0014 0.0054 0.0102 0.0156 0.0217
0.0284 0.0356 0.0434 0.0517 0.0605
0.0698 0.0796 0.0899 0.1007 0.1121
0.1243 0.1373 0.1512 0.1656 0.1807
0.1962 0.2123 0.2291 0.2483 0.2703
0.2945 0.3189 0.3434 0.3680 0.3929
0.4178 0.4430 0.4687 0.4947 0.5212
0.5482 0.5760 0.6046 0.6335 0.6626
0.6921 0.7218 0.7518 0.7820 0.8133
0.8461 0.8801 0.9163 0.9564 1.0000
Hrad:
0.0226 0.0600 0.0982 0.1332 0.1659
0.1974 0.2291 0.2613 0.2925 0.3228
0.3524 0.3813 0.4096 0.4373 0.4557
0.4729 0.4908 0.5133 0.5388 0.5667
0.5954 0.6238 0.6186 0.5790 0.5404
0.5828 0.6246 0.6659 0.7067 0.7469
0.7867 0.8189 0.8502 0.8811 0.9116
0.9331 0.9497 0.9763 1.0109 1.0452
1.0791 1.1126 1.1458 1.1787 1.1574
1.1642 1.1570 1.1256 1.0602 1.0000
Width:
0.0656 0.0958 0.1094 0.1231 0.1368
0.1501 0.1622 0.1729 0.1837 0.1944
0.2052 0.2159 0.2267 0.2377 0.2539
0.2715 0.2891 0.3043 0.3175 0.3291
0.3399 0.3507 0.3819 0.4435 0.5186
0.5219 0.5251 0.5284 0.5317 0.5350
0.5382 0.5468 0.5558 0.5647 0.5737
0.5886 0.6068 0.6185 0.6243 0.6301
0.6359 0.6475 0.6534 0.6932 1.0000
0.7170 0.7512 0.8061 0.8978 1.0000

Transect Barnsdale_UPST7
Area:
0.0031 0.0077 0.0135 0.0206 0.0292
0.0385 0.0485 0.0590 0.0699 0.0811
0.0928 0.1047 0.1170 0.1297 0.1427
0.1561 0.1700 0.1843 0.1992 0.2145
0.2304 0.2467 0.2636 0.2810 0.3005
0.3224 0.3464 0.3708 0.3955 0.4204
0.4456 0.4710 0.4972 0.5239 0.5510
0.5784 0.6060 0.6340 0.6622 0.6907
0.7195 0.7487 0.7782 0.8081 0.8383
0.8691 0.9003 0.9322 0.9647 1.0000
Hrad:
0.0323 0.0624 0.0905 0.1084 0.1375
0.1686 0.1997 0.2314 0.2650 0.2977
0.3296 0.3608 0.3913 0.4212 0.4493
0.4751 0.5005 0.5247 0.5476 0.5703
0.5929 0.6154 0.6378 0.6601 0.5891
0.5938 0.5928 0.6266 0.6599 0.6927
0.7252 0.7701 0.7705 0.7948 0.8255
0.8559 0.8860 0.9157 0.9452 0.9727
1.0000 1.0270 1.0538 1.0784 1.1003
1.1221 1.1420 1.1557 1.1624 1.0000
Width:
0.0999 0.1304 0.1570 0.1994 0.2229
0.2396 0.2541 0.2664 0.2751 0.2837
0.2923 0.3010 0.3096 0.3183 0.3279
0.3390 0.3501 0.3618 0.3745 0.3872
0.3998 0.4124 0.4251 0.4377 0.5266
0.5610 0.6032 0.6092 0.6153 0.6213
0.6274 0.6399 0.6563 0.6692 0.6761
0.6830 0.6899 0.6967 0.7036 0.7118
0.7199 0.7281 0.7362 0.7458 0.7573
0.7688 0.7817 0.7991 0.8220 1.0000

Transect GBR
Area:
0.0002 0.0008 0.0018 0.0032 0.0051
0.0073 0.0099 0.0130 0.0164 0.0203
0.0245 0.0292 0.0343 0.0401 0.0532
0.0756 0.1002 0.1249 0.1496 0.1742
0.1989 0.2235 0.2482 0.2729 0.2975
0.3222 0.3468 0.3715 0.3962 0.4209
0.4460 0.4715 0.4974 0.5237 0.5505
0.5776 0.6051 0.6331 0.6614 0.6902
0.7193 0.7489 0.7789 0.8092 0.8400
0.8712 0.9028 0.9348 0.9672 1.0000
Hrad:
0.0148 0.0296 0.0444 0.0592 0.0741
0.0889 0.1037 0.1185 0.1333 0.1481
0.1629 0.1777 0.1925 0.1451 0.0889
0.0921 0.1222 0.1522 0.1821 0.2121
0.2420 0.2720 0.3019 0.3318 0.3616
0.3915 0.4213 0.4511 0.4809 0.5106
0.5398 0.5684 0.5963 0.6237 0.6505
0.6768 0.7026 0.7280 0.7529 0.7773
0.8013 0.8249 0.8480 0.8708 0.8932
0.9153 0.9369 0.9583 0.9793 1.0000
Width:
0.0123 0.0246 0.0369 0.0492 0.0614
0.0737 0.0860 0.0983 0.1106 0.1229
0.1352 0.1475 0.1598 0.2496 0.5446
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7470
0.7470 0.7470 0.7470 0.7470 0.7542
0.7665 0.7788 0.7911 0.8034 0.8157
0.8280 0.8402 0.8525 0.8648 0.8771
0.8894 0.9017 0.9140 0.9263 0.9386
0.9508 0.9631 0.9754 0.9877 1.0000

Transect Pond_SpillWay
Area:
0.0040 0.0088 0.0142 0.0204 0.0274
0.0350 0.0434 0.0524 0.0622 0.0728
0.0840 0.0960 0.1087 0.1221 0.1362
0.1511 0.1666 0.1829 0.2000 0.2177
0.2362 0.2554 0.2753 0.2959 0.3173
0.3393 0.3621 0.3856 0.4099 0.4348
0.4600 0.4855 0.5113 0.5375 0.5640
0.5908 0.6180 0.6454 0.6732 0.7013
0.7297 0.7585 0.7875 0.8169 0.8466
0.8767 0.9070 0.9377 0.9687 1.0000
Hrad:
0.0187 0.0367 0.0543 0.0716 0.0888
0.1059 0.1230 0.1400 0.1570 0.1740
0.1910 0.2080 0.2251 0.2421 0.2592
0.2763 0.2935 0.3106 0.3278 0.3450
0.3622 0.3795 0.3967 0.4140 0.4313
0.4486 0.4660 0.4833 0.5007 0.5241
0.5500 0.5758 0.6013 0.6266 0.6517
0.6766 0.7013 0.7257 0.7498 0.7737
0.7974 0.8209 0.8441 0.8670 0.8898
0.9123 0.9345 0.9566 0.9784 1.0000
Width:
0.1394 0.1623 0.1853 0.2082 0.2311
0.2541 0.2770 0.2999 0.3229 0.3458
0.3687 0.3917 0.4146 0.4375 0.4605
0.4834 0.5063 0.5293 0.5522 0.5751
0.5981 0.6210 0.6439 0.6669 0.6898
0.7127 0.7357 0.7586 0.7815 0.7956
0.8059 0.8161 0.8263 0.8365 0.8467
0.8569 0.8672 0.8774 0.8876 0.8978
0.9080 0.9183 0.9285 0.9387 0.9489
0.9591 0.9693 0.9796 0.9898 1.0000

Transect ROW_14m
Area:
0.0004 0.0017 0.0038 0.0067 0.0104
0.0150 0.0204 0.0267 0.0338 0.0417
0.0504 0.0597 0.0704 0.0817 0.0938
0.1067 0.1204 0.1350 0.1504 0.1667
0.1838 0.2017 0.2204 0.2400 0.2605
0.2817 0.3038 0.3267 0.3502 0.3738
0.3973 0.4209 0.4446 0.4692 0.4952
0.5225 0.5510 0.5808 0.6118 0.6439
0.6767 0.7100 0.7440 0.7787 0.8140
0.8499 0.8865 0.9237 0.9615 1.0000
Hrad:
0.0169 0.0338 0.0507 0.0677 0.0846
0.1015 0.1184 0.1353 0.1522 0.1692
0.1861 0.2030 0.2199 0.2368 0.2537
0.2707 0.2876 0.3045 0.3214 0.3383
0.3552 0.3722 0.3891 0.4060 0.4229
0.4398 0.4567 0.4736 0.5027 0.5359
0.5291 0.6022 0.6353 0.6667 0.6957
0.7226 0.7474 0.7704 0.7918 0.8123
0.8326 0.8526 0.8721 0.8914 0.9103
0.9289 0.9471 0.9651 0.9827 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6200 0.6529 0.6857
0.7186 0.7514 0.7843 0.8171 0.8357
0.8521 0.8686 0.8850 0.9014 0.9179
0.9343 0.9507 0.9671 0.9836 1.0000

Transect ROW_14m_Mountable
Area:
0.0003 0.0012 0.0028 0.0049 0.0077
0.0111 0.0151 0.0197 0.0249 0.0307
0.0372 0.0442 0.0519 0.0602 0.0691
0.0787 0.0888 0.0996 0.1109 0.1229
0.1355 0.1485 0.1625 0.1770 0.1923
0.2092 0.2277 0.2477 0.2693 0.2924
0.3170 0.3433 0.3711 0.4004 0.4310
0.4626 0.4954 0.5293 0.5642 0.6002
0.6373 0.6755 0.7144 0.7538 0.7936
0.8340 0.8748 0.9160 0.9578 1.0000
Hrad:
0.0222 0.0445 0.0667 0.0889 0.1111
0.1334 0.1556 0.1778 0.2001 0.2223
0.2445 0.2667 0.2890 0.3112 0.3334
0.3556 0.3779 0.4001 0.4223 0.4446
0.4668 0.4890 0.5112 0.5335 0.5550
0.5733 0.5891 0.6029 0.6151 0.6263
0.6367 0.6465 0.6559 0.6653 0.6759
0.6872 0.6992 0.7116 0.7245 0.7378
0.7514 0.7663 0.7966 0.8266 0.8563
0.8856 0.9147 0.9434 0.9719 1.0000
Width:
0.0145 0.0290 0.0434 0.0579 0.0724
0.0869 0.1013 0.1158 0.1303 0.1448
0.1593 0.1737 0.1882 0.2027 0.2172
0.2316 0.2461 0.2606 0.2751 0.2896
0.3040 0.3185 0.3330 0.3475 0.3798
0.4164 0.4530 0.4897 0.5263 0.5629
0.5995 0.6362 0.6728 0.7080 0.7335
0.7591 0.7846 0.8102 0.8357 0.8613
0.8868 0.9114 0.9225 0.9336 0.9446
0.9557 0.9668 0.9779 0.9889 1.0000

Transect ROW_14m_PH3
Area:
0.0004 0.0017 0.0038 0.0068 0.0107
0.0153 0.0209 0.0273 0.0345 0.0426
0.0516 0.0614 0.0721 0.0836 0.0959
0.1091 0.1232 0.1381 0.1539 0.1705
0.1880 0.2064 0.2255 0.2456 0.2665
0.2882 0.3108 0.3343 0.3583 0.3824
0.4065 0.4306 0.4548 0.4797 0.5055
0.5322 0.5598 0.5883 0.6176 0.6479
0.6791 0.7112 0.7441 0.7780 0.8127
0.8484 0.8850 0.9224 0.9608 1.0000
Hrad:
0.0166 0.0332 0.0498 0.0664 0.0830
0.0997 0.1163 0.1329 0.1495 0.1661
0.1827 0.1993 0.2159 0.2325 0.2491
0.2657 0.2823 0.2990 0.3156 0.3322
0.3488 0.3654 0.3820 0.3986 0.4152
0.4318 0.4484 0.4650 0.4935 0.5262
0.5588 0.5913 0.6238 0.6553 0.6853
0.7137 0.7407 0.7664 0.7909 0.8143
0.8366 0.8579 0.8783 0.8979 0.9166
0.9346 0.9519 0.9685 0.9845 1.0000
Width:
0.0215 0.0430 0.0645 0.0859 0.1074
0.1289 0.1504 0.1719 0.1934 0.2148
0.2363 0.2578 0.2793 0.3008 0.3223
0.3437 0.3652 0.3867 0.4082 0.4297
0.4512 0.4726 0.4941 0.5156 0.5371
0.5586 0.5801 0.6015 0.6071 0.6071
0.6071 0.6071 0.6160 0.6386 0.6612
0.6838 0.7063 0.7289 0.7515 0.7741
0.7967 0.8193 0.8419 0.8645 0.8871
0.9096 0.9322 0.9548 0.9774 1.0000

Transect ROW_14m-MB_1
Area:
0.0003 0.0013 0.0030 0.0054 0.0084
0.0121 0.0165 0.0215 0.0272 0.0336
0.0407 0.0484 0.0568 0.0659 0.0757
0.0861 0.0972 0.1089 0.1214 0.1345
0.1483 0.1631 0.1791 0.1963 0.2146
0.2342 0.2549 0.2768 0.2999 0.3242
0.3497 0.3764 0.4043 0.4333 0.4635
0.4949 0.5273 0.5601 0.5935 0.6274

0.6618	0.6967	0.7326	0.7693	0.8064
0.8441	0.8823	0.9210	0.9603	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0792	0.0990
0.1188	0.1386	0.1584	0.1782	0.1980
0.2178	0.2376	0.2574	0.2772	0.2971
0.3169	0.3367	0.3565	0.3763	0.3961
0.4159	0.4347	0.4520	0.4681	0.4834
0.4979	0.5119	0.5256	0.5389	0.5521
0.5650	0.5779	0.5907	0.6035	0.6162
0.6289	0.6560	0.6844	0.7123	0.7397
0.7667	0.7933	0.8190	0.8459	0.8726
0.8988	0.9247	0.9501	0.9752	1.0000

Width:

0.0168	0.0336	0.0504	0.0673	0.0841
0.1009	0.1177	0.1345	0.1513	0.1681
0.1849	0.2018	0.2186	0.2354	0.2522
0.2690	0.2858	0.3026	0.3195	0.3363
0.3552	0.3849	0.4146	0.4442	0.4739
0.5036	0.5332	0.5629	0.5926	0.6223
0.6519	0.6816	0.7113	0.7409	0.7706
0.8003	0.8150	0.8279	0.8407	0.8536
0.8664	0.8836	0.9093	0.9229	0.9357
0.9486	0.9614	0.9743	0.9871	1.0000

Transect ROW_16.5m_Mountable

Area:

0.0003	0.0012	0.0027	0.0048	0.0074
0.0107	0.0145	0.0190	0.0240	0.0297
0.0359	0.0428	0.0502	0.0582	0.0668
0.0760	0.0858	0.0962	0.1072	0.1188
0.1309	0.1437	0.1571	0.1710	0.1856
0.2012	0.2183	0.2369	0.2570	0.2786
0.3017	0.3263	0.3524	0.3800	0.4091
0.4397	0.4719	0.5055	0.5406	0.5772
0.6153	0.6544	0.6944	0.7354	0.7772
0.8199	0.8636	0.9082	0.9536	1.0000

Hrad:

0.0233	0.0465	0.0698	0.0931	0.1163
0.1396	0.1628	0.1861	0.2094	0.2326
0.2559	0.2792	0.3024	0.3257	0.3489
0.3722	0.3955	0.4187	0.4420	0.4653
0.4885	0.5118	0.5350	0.5583	0.5816
0.6036	0.6224	0.6386	0.6529	0.6657
0.6773	0.6882	0.6985	0.7084	0.7180
0.7275	0.7370	0.7464	0.7559	0.7655
0.7817	0.8084	0.8343	0.8597	0.8844
0.9085	0.9321	0.9552	0.9779	1.0000

Width:

0.0127	0.0254	0.0380	0.0507	0.0634
0.0761	0.0888	0.1014	0.1141	0.1268
0.1395	0.1522	0.1648	0.1775	0.1902
0.2029	0.2156	0.2283	0.2409	0.2536
0.2663	0.2790	0.2917	0.3043	0.3170
0.3491	0.3812	0.4132	0.4453	0.4774
0.5095	0.5415	0.5736	0.6057	0.6378
0.6698	0.7019	0.7340	0.7661	0.7981
0.8255	0.8448	0.8642	0.8836	0.9030
0.9224	0.9418	0.9612	0.9806	1.0000

Transect ROW_16.5m_PH3

Area:

0.0004	0.0017	0.0039	0.0069	0.0107
0.0154	0.0210	0.0275	0.0347	0.0429
0.0519	0.0618	0.0725	0.0841	0.0965
0.1098	0.1240	0.1390	0.1548	0.1716
0.1892	0.2076	0.2269	0.2471	0.2677
0.2884	0.3090	0.3297	0.3510	0.3731
0.3962	0.4201	0.4449	0.4705	0.4971
0.5245	0.5527	0.5819	0.6119	0.6428
0.6746	0.7073	0.7408	0.7752	0.8105
0.8466	0.8837	0.9216	0.9603	1.0000

Hrad:

0.0173	0.0347	0.0520	0.0694	0.0867
0.1041	0.1214	0.1388	0.1561	0.1735
0.1908	0.2082	0.2255	0.2429	0.2602
0.2776	0.2949	0.3123	0.3296	0.3470
0.3643	0.3817	0.3990	0.4164	0.4493
0.4834	0.5173	0.5513	0.5844	0.6155
0.6449	0.6727	0.6990	0.7239	0.7475
0.7699	0.7913	0.8116	0.8310	0.8496
0.8673	0.8843	0.9007	0.9164	0.9316
0.9462	0.9603	0.9739	0.9872	1.0000

Width:

0.0214	0.0428	0.0642	0.0856	0.1070
0.1284	0.1498	0.1712	0.1926	0.2140
0.2354	0.2568	0.2782	0.2996	0.3210
0.3424	0.3638	0.3852	0.4066	0.4280
0.4494	0.4708	0.4922	0.5136	0.5152
0.5152	0.5152	0.5200	0.5418	0.5636
0.5855	0.6073	0.6291	0.6509	0.6727
0.6945	0.7164	0.7382	0.7600	0.7818
0.8036	0.8255	0.8473	0.8691	0.8909
0.9127	0.9345	0.9564	0.9782	1.0000

Transect ROW_18m

Area:

0.0004	0.0016	0.0036	0.0064	0.0100
0.0144	0.0196	0.0255	0.0323	0.0399
0.0483	0.0575	0.0675	0.0782	0.0898
0.1022	0.1154	0.1293	0.1441	0.1597
0.1760	0.1932	0.2112	0.2299	0.2495
0.2698	0.2906	0.3114	0.3321	0.3529
0.3742	0.3967	0.4204	0.4452	0.4712
0.4983	0.5266	0.5560	0.5867	0.6184
0.6514	0.6855	0.7207	0.7571	0.7947
0.8335	0.8734	0.9144	0.9566	1.0000

Hrad:

0.0183	0.0366	0.0549	0.0732	0.0915
0.1098	0.1281	0.1464	0.1647	0.1829
0.2012	0.2195	0.2378	0.2561	0.2744
0.2927	0.3110	0.3293	0.3476	0.3659
0.3842	0.4025	0.4208	0.4391	0.4574
0.4757	0.5117	0.5476	0.5834	0.6192
0.6542	0.6864	0.7162	0.7437	0.7692
0.7927	0.8145	0.8348	0.8537	0.8713
0.8877	0.9031	0.9176	0.9313	0.9442
0.9565	0.9681	0.9792	0.9898	1.0000

Width:

0.0182	0.0363	0.0545	0.0726	0.0908
0.1090	0.1271	0.1453	0.1635	0.1816
0.1998	0.2179	0.2361	0.2543	0.2724
0.2906	0.3088	0.3269	0.3451	0.3632
0.3814	0.3996	0.4177	0.4359	0.4541
0.4722	0.4722	0.4722	0.4722	0.4722
0.4986	0.5250	0.5514	0.5778	0.6042
0.6306	0.6833	0.7097	0.7361	0.7625
0.7625	0.7889	0.8153	0.8417	0.8681
0.8944	0.9208	0.9472	0.9736	1.0000

Transect ROW_18m_MB_1

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0396	0.0594	0.0793	0.0991
0.1189	0.1387	0.1585	0.1783	0.1982
0.2180	0.2378	0.2576	0.2774	0.2972
0.3166	0.3340	0.3498	0.3646	0.3786
0.3921	0.4053	0.4183	0.4311	0.4439
0.4566	0.4770	0.5054	0.5332	0.5603
0.5869	0.6122	0.6360	0.6586	0.6807
0.7040	0.7271	0.7499	0.7723	0.7944
0.8163	0.8378	0.8591	0.8800	0.9007
0.9211	0.9412	0.9611	0.9807	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_MB_2

Area:

0.0003	0.0013	0.0030	0.0054	0.0084
0.0121	0.0165	0.0215	0.0272	0.0336
0.0406	0.0484	0.0568	0.0658	0.0756
0.0861	0.0978	0.1107	0.1247	0.1400
0.1564	0.1740	0.1928	0.2128	0.2340
0.2564	0.2798	0.3039	0.3285	0.3536
0.3793	0.4059	0.4335	0.4621	0.4918
0.5221	0.5529	0.5842	0.6160	0.6484
0.6812	0.7146	0.7485	0.7828	0.8178
0.8532	0.8891	0.9256	0.9625	1.0000

Hrad:

0.0198	0.0395	0.0593	0.0791	0.0989
0.1186	0.1384	0.1582	0.1780	0.1977
0.2175	0.2373	0.2571	0.2768	0.2966
0.3160	0.3333	0.3491	0.3638	0.3778
0.3913	0.4045	0.4174	0.4302	0.4430
0.4557	0.4760	0.5044	0.5321	0.5592
0.5857	0.6109	0.6347	0.6572	0.6793
0.7027	0.7258	0.7486	0.7711	0.7933
0.8152	0.8368	0.8581	0.8792	0.9000
0.9205	0.9408	0.9608	0.9805	1.0000

Width:

0.0178	0.0356	0.0534	0.0712	0.0890
0.1068	0.1246	0.1424	0.1602	0.1780
0.1958	0.2136	0.2314	0.2492	0.2670
0.2942	0.3256	0.3571	0.3885	0.4199
0.4513	0.4827	0.5141	0.5455	0.5769
0.6083	0.6314	0.6450	0.6586	0.6722
0.6911	0.7183	0.7456	0.7728	0.7958
0.8094	0.8231	0.8367	0.8503	0.8639
0.8775	0.8911	0.9047	0.9183	0.9319
0.9456	0.9592	0.9728	0.9864	1.0000

Transect ROW_18m_Mountable

Area:

0.0003	0.0011	0.0026	0.0046	0.0072
0.0103	0.0140	0.0183	0.0232	0.0286
0.0346	0.0412	0.0484	0.0561	0.0644
0.0733	0.0827	0.0928	0.1034	0.1145
0.1263	0.1386	0.1515	0.1650	0.1799
0.1964	0.2143	0.2337	0.2546	0.2770
0.3009	0.3263	0.3532	0.3816	0.4115
0.4429	0.4758	0.5102	0.5459	0.5826
0.6202	0.6587	0.6981	0.7385	0.7797
0.8219	0.8651	0.9091	0.9541	1.0000

Hrad:

0.0235	0.0471	0.0706	0.0942	0.1177
0.1413	0.1648	0.1884	0.2119	0.2355
0.2590	0.2826	0.3061	0.3297	0.3532
0.3768	0.4003	0.4238	0.4474	0.4709
0.4945	0.5180	0.5416	0.5652	0.5852
0.6022	0.6168	0.6296	0.6410	0.6515
0.6613	0.6707	0.6799	0.6889	0.6979
0.7069	0.7161	0.7253	0.7478	0.7737
0.7989	0.8234	0.8474	0.8707	0.8935
0.9157	0.9375	0.9588	0.9796	1.0000

Width:

0.0124	0.0247	0.0371	0.0494	0.0618
0.0741	0.0865	0.0988	0.1112	0.1235
0.1359	0.1482	0.1606	0.1729	0.1853
0.1976	0.2100	0.2223	0.2347	0.2470
0.2594	0.2717	0.2841	0.3058	0.3381
0.3704	0.4027	0.4349	0.4672	0.4995
0.5318	0.5641	0.5964	0.6287	0.6610
0.6933	0.7255	0.7578	0.7807	0.8006
0.8206	0.8405	0.8604	0.8804	0.9003
0.9202	0.9402	0.9601	0.9801	1.0000

Transect ROW_18m_PH3

Area:

0.0004	0.0017	0.0038	0.0068	0.0107
0.0154	0.0209	0.0273	0.0346	0.0427
0.0516	0.0614	0.0721	0.0836	0.0960
0.1092	0.1233	0.1382	0.1540	0.1707
0.1882	0.2065	0.2256	0.2447	0.2638
0.2830	0.3026	0.3232	0.3447	0.3670
0.3903	0.4144	0.4394	0.4653	0.4921
0.5197	0.5483	0.5777	0.6080	0.6392
0.6713	0.7043	0.7382	0.7729	0.8085
0.8451	0.8825	0.9208	0.9599	1.0000

Hrad:

0.0179	0.0359	0.0538	0.0717	0.0896
0.1076	0.1255	0.1434	0.1613	0.1793
0.1972	0.2151	0.2330	0.2510	0.2689
0.2868	0.3047	0.3227	0.3406	0.3585
0.3764	0.3944	0.4225	0.4577	0.4928
0.5279	0.5621	0.5942	0.6243	0.6525
0.6791	0.7042	0.7279	0.7504	0.7716
0.7918	0.8110	0.8292	0.8467	0.8634
0.8794	0.8948	0.9095	0.9238	0.9375
0.9508	0.9636	0.9761	0.9882	1.0000

Width:

0.0211	0.0421	0.0632	0.0843	0.1053
0.1264	0.1475	0.1685	0.1896	0.2107
0.2318	0.2528	0.2739	0.2950	0.3160
0.3371	0.3582	0.3792	0.4003	0.4214
0.4424	0.4635	0.4722	0.4722	0.4722
0.4752	0.4971	0.5190	0.5408	0.5627
0.5846	0.6064	0.6283	0.6502	0.6720
0.6939	0.7158	0.7376	0.7595	0.7813
0.8032	0.8251	0.8469	0.8688	0.8907
0.9125	0.9344	0.9563	0.9781	1.0000

Transect ROW_20m

Area:

0.0004	0.0016	0.0036	0.0063	0.0099
0.0142	0.0193	0.0253	0.0320	0.0395
0.0478	0.0568	0.0667	0.0774	0.0888
0.1011	0.1141	0.1279	0.1425	0.1579
0.1741	0.1911	0.2088	0.2274	0.2464
0.2654	0.2844	0.3034	0.3226	0.3431
0.3646	0.3874	0.4114	0.4365	0.4629
0.4904	0.5191	0.5490	0.5801	0.6123
0.6458	0.6804	0.7162	0.7532	0.7914
0.8307	0.8713	0.9130	0.9559	1.0000

Hrad:

0.0190	0.0380	0.0570	0.0760	0.0950
0.1141	0.1331	0.1521	0.1711	0.1901
0.2091	0.2281	0.2471	0.2661	0.2851
0.3041	0.3231	0.3422	0.3612	0.3802
0.3992	0.4182	0.4372	0.4562	0.4926
0.5299	0.5672	0.6043	0.6411	0.6750
0.7060	0.7344	0.7603	0.7841	0.8059
0.8259	0.8444	0.8615	0.8773	0.8920
0.9057	0.9186	0.9307	0.9421	0.9529
0.9632	0.9730	0.9823	0.9913	1.0000

Width:

0.0177	0.0353	0.0530	0.0707	0.0883
0.1060	0.1237	0.1413	0.1590	0.1767
0.1943	0.2120	0.2297	0.2473	0.2650
0.2827	0.3003	0.3180	0.3357	0.3533

0.3710 0.3887 0.4063 0.4240 0.4250
0.4250 0.4250 0.4250 0.4435 0.4700
0.4965 0.5230 0.5495 0.5760 0.6025
0.6290 0.6555 0.6820 0.7085 0.7350
0.7615 0.7880 0.8145 0.8410 0.8675
0.8940 0.9205 0.9470 0.9735 1.0000

Transect ROW_22m
Area:
0.0003 0.0014 0.0031 0.0055 0.0086
0.0124 0.0169 0.0221 0.0280 0.0346
0.0418 0.0498 0.0584 0.0678 0.0778
0.0885 0.0999 0.1120 0.1248 0.1383
0.1525 0.1674 0.1829 0.1992 0.2161
0.2337 0.2521 0.2711 0.2908 0.3119
0.3348 0.3594 0.3857 0.4133 0.4420
0.4717 0.5025 0.5343 0.5673 0.6013
0.6363 0.6725 0.7097 0.7479 0.7873
0.8277 0.8692 0.9117 0.9553 1.0000
Hrad:
0.0200 0.0399 0.0599 0.0798 0.0998
0.1198 0.1397 0.1597 0.1796 0.1996
0.2196 0.2395 0.2595 0.2794 0.2994
0.3194 0.3393 0.3593 0.3792 0.3992
0.4192 0.4391 0.4590 0.4790 0.4990
0.5190 0.5389 0.5589 0.5789 0.5976
0.6138 0.6280 0.6465 0.6764 0.7046
0.7312 0.7565 0.7804 0.8033 0.8250
0.8458 0.8656 0.8847 0.9030 0.9206
0.9376 0.9539 0.9698 0.9851 1.0000
Width:
0.0153 0.0306 0.0459 0.0612 0.0765
0.0918 0.1071 0.1224 0.1376 0.1529
0.1682 0.1835 0.1988 0.2141 0.2294
0.2447 0.2600 0.2753 0.2906 0.3059
0.3212 0.3365 0.3518 0.3671 0.3824
0.3976 0.4129 0.4282 0.4472 0.4861
0.5250 0.5640 0.5982 0.6218 0.6455
0.6691 0.7164 0.7400 0.7636 0.7873
0.8109 0.8345 0.8582 0.8818
0.9055 0.9291 0.9527 0.9764 1.0000

Transect ROW_24m
Area:
0.0004 0.0017 0.0039 0.0069 0.0107
0.0155 0.0211 0.0275 0.0348 0.0430
0.0520 0.0619 0.0726 0.0843 0.0967
0.1100 0.1234 0.1369 0.1503 0.1637
0.1772 0.1906 0.2040 0.2176 0.2324
0.2484 0.2655 0.2840 0.3036 0.3245
0.3466 0.3699 0.3945 0.4203 0.4473
0.4756 0.5050 0.5357 0.5677 0.6008
0.6352 0.6708 0.7077 0.7458 0.7851
0.8256 0.8674 0.9103 0.9546 1.0000
Hrad:
0.0217 0.0434 0.0652 0.0869 0.1086
0.1303 0.1520 0.1737 0.1955 0.2172
0.2389 0.2606 0.2823 0.3041 0.3258
0.3554 0.3981 0.4407 0.4831 0.5253
0.5674 0.6094 0.6512 0.6926 0.7297
0.7620 0.7900 0.8143 0.8353 0.8535
0.8693 0.8830 0.8951 0.9057 0.9151
0.9235 0.9311 0.9381 0.9445 0.9505
0.9561 0.9614 0.9666 0.9716 0.9764
0.9812 0.9859 0.9906 0.9953 1.0000
Width:
0.0187 0.0373 0.0560 0.0747 0.0933
0.1120 0.1307 0.1493 0.1680 0.1867
0.2053 0.2240 0.2427 0.2613 0.2800
0.2917 0.2917 0.2917 0.2917 0.2917
0.2917 0.2917 0.2917 0.3067 0.3333
0.3600 0.3867 0.4133 0.4400 0.4667
0.4933 0.5200 0.5467 0.5733 0.6000
0.6267 0.6533 0.6800 0.7067 0.7333
0.7600 0.7867 0.8133 0.8400 0.8667
0.8933 0.9200 0.9467 0.9733 1.0000

Transect ROW_24m_1
Area:
0.0002 0.0009 0.0020 0.0036 0.0057
0.0081 0.0111 0.0145 0.0183 0.0227
0.0279 0.0340 0.0410 0.0489 0.0577
0.0675 0.0781 0.0897 0.1021 0.1158
0.1311 0.1479 0.1664 0.1857 0.2058
0.2265 0.2480 0.2700 0.2929 0.3171
0.3426 0.3694 0.3976 0.4272 0.4579
0.4893 0.5214 0.5541 0.5875 0.6216
0.6564 0.6919 0.7280 0.7648 0.8023
0.8405 0.8794 0.9189 0.9591 1.0000
Hrad:
0.0217 0.0433 0.0650 0.0866 0.1083
0.1299 0.1516 0.1732 0.1949 0.2158
0.2334 0.2493 0.2650 0.2808 0.2970
0.3137 0.3309 0.3485 0.3666 0.3838
0.3990 0.4128 0.4110 0.4455 0.4784
0.5099 0.5402 0.5694 0.5973 0.6230
0.6462 0.6674 0.6867 0.7046 0.7237
0.7433 0.7628 0.7822 0.8014 0.8205
0.8393 0.8580 0.8765 0.8948 0.9128
0.9307 0.9483 0.9657 0.9830 1.0000
Width:
0.0110 0.0219 0.0329 0.0439 0.0549
0.0658 0.0768 0.0878 0.0987 0.1153
0.1372 0.1592 0.1811 0.2031 0.2250
0.2469 0.2689 0.2908 0.3130 0.3514
0.3898 0.4282 0.4619 0.4783 0.4948
0.5112 0.5277 0.5442 0.5692 0.6021
0.6350 0.6679 0.7008 0.7337 0.7531
0.7696 0.7860 0.8025 0.8190 0.8354
0.8519 0.8683 0.8848 0.9013 0.9177
0.9342 0.9506 0.9671 0.9835 1.0000

Transect ROW_24m_Parking
Area:
0.0004 0.0014 0.0032 0.0056 0.0088
0.0126 0.0172 0.0225 0.0285 0.0351
0.0425 0.0506 0.0594 0.0689 0.0790
0.0899 0.1015 0.1138 0.1268 0.1410
0.1566 0.1735 0.1918 0.2107 0.2304
0.2507 0.2716 0.2933 0.3156 0.3391
0.3638 0.3900 0.4174 0.4462 0.4758
0.5061 0.5371 0.5687 0.6010 0.6339
0.6675 0.7018 0.7367 0.7724 0.8086
0.8456 0.8832 0.9215 0.9604 1.0000
Hrad:
0.0204 0.0408 0.0612 0.0816 0.1020
0.1224 0.1428 0.1632 0.1836 0.2040
0.2244 0.2448 0.2652 0.2856 0.3060
0.3264 0.3469 0.3673 0.3877 0.4065
0.4232 0.4385 0.4621 0.4937 0.5239
0.5528 0.5805 0.6070 0.6326 0.6563
0.6776 0.6968 0.7143 0.7308 0.7488
0.7668 0.7846 0.8023 0.8198 0.8372
0.8543 0.8880 0.8880 0.9046 0.9210
0.9372 0.9532 0.9690 0.9846 1.0000
Width:
0.0176 0.0352 0.0528 0.0704 0.0880
0.1056 0.1231 0.1407 0.1583 0.1759
0.1935 0.2111 0.2287 0.2463 0.2639
0.2815 0.2991 0.3167 0.3384 0.3727
0.4069 0.4412 0.4667 0.4833 0.5000
0.5167 0.5333 0.5500 0.5708 0.6042
0.6375 0.6708 0.7042 0.7333 0.7500
0.7667 0.7833 0.8000 0.8167 0.8333
0.8500 0.8667 0.8833 0.9000 0.9167
0.9333 0.9500 0.9667 0.9833 1.0000

Transect ROW_26m
Area:
0.0003 0.0013 0.0030 0.0053 0.0083
0.0120 0.0164 0.0214 0.0270 0.0334
0.0404 0.0481 0.0564 0.0654 0.0751
0.0854 0.0964 0.1081 0.1205 0.1335
0.1472 0.1615 0.1765 0.1922 0.2086
0.2261 0.2453 0.2663 0.2888 0.3123
0.3369 0.3625 0.3892 0.4168 0.4456
0.4753 0.5061 0.5379 0.5707 0.6046
0.6395 0.6754 0.7124 0.7504 0.7894
0.8295 0.8705 0.9127 0.9558 1.0000
Hrad:
0.0209 0.0418 0.0627 0.0836 0.1045
0.1254 0.1463 0.1672 0.1880 0.2089
0.2298 0.2507 0.2716 0.2925 0.3134
0.3343 0.3552 0.3761 0.3970 0.4179
0.4388 0.4597 0.4806 0.5015 0.5223
0.5421 0.5589 0.5735 0.5992 0.6295
0.6579 0.6846 0.7097 0.7334 0.7558
0.7771 0.7974 0.8167 0.8352 0.8529
0.8699 0.8863 0.9021 0.9173 0.9321
0.9464 0.9604 0.9739 0.9871 1.0000
Width:
0.0149 0.0299 0.0448 0.0597 0.0747
0.0896 0.1045 0.1195 0.1344 0.1493
0.1643 0.1792 0.1941 0.2090 0.2240
0.2389 0.2538 0.2688 0.2837 0.2986
0.3136 0.3285 0.3434 0.3584 0.3733
0.4113 0.4493 0.4873 0.5154 0.5385
0.5615 0.5846 0.6077 0.6308 0.6538
0.6769 0.7000 0.7231 0.7462 0.7692
0.7923 0.8154 0.8385 0.8615 0.8846
0.9077 0.9308 0.9538 0.9769 1.0000

Transect Upstream1
Area:
0.0025 0.0106 0.0203 0.0306 0.0413
0.0526 0.0643 0.0765 0.0889 0.1016
0.1146 0.1277 0.1411 0.1547 0.1685
0.1826 0.1967 0.2113 0.2260 0.2410
0.2562 0.2716 0.2875 0.3036 0.3201
0.3370 0.3541 0.3718 0.3916 0.4132
0.4352 0.4574 0.4798 0.5024 0.5256
0.5499 0.5749 0.6004 0.6263 0.6529
0.6803 0.7086 0.7388 0.7719 0.8061
0.8411 0.8773 0.9158 0.9566 1.0000
Hrad:
0.0236 0.0542 0.0978 0.1394 0.1791
0.2172 0.2558 0.2953 0.3343 0.3743
0.4135 0.4519 0.4897 0.5268 0.5632
0.5991 0.6344 0.6691 0.7034 0.7372
0.7686 0.7966 0.8243 0.8517 0.8789
0.9059 0.9305 0.9395 0.8568 0.8707
0.9044 0.9376 0.9705 1.0029 1.0032
1.0093 1.0327 1.0560 1.0792 1.0918
1.1023 1.1020 1.0403 1.0362 1.0565
1.0711 1.0710 1.0500 1.0287 1.0000
Width:
0.1112 0.2068 0.2183 0.2299 0.2414
0.2530 0.2625 0.2696 0.2763 0.2812
0.2861 0.2910 0.2959 0.3008 0.3057
0.3106 0.3155 0.3204 0.3253 0.3301
0.3360 0.3434 0.3508 0.3582 0.3656
0.3731 0.3815 0.3971 0.4616 0.4787
0.4839 0.4890 0.4941 0.4992 0.5218
0.5423 0.5531 0.5639 0.5747 0.5916
0.6102 0.6359 0.7052 0.7403 0.7577
0.7795 0.8137 0.8682 0.9276 1.0000

Transect Upstream2
Area:
0.0010 0.0033 0.0061 0.0095 0.0135
0.0180 0.0231 0.0287 0.0349 0.0417
0.0491 0.0571 0.0658 0.0753 0.0857
0.0969 0.1089 0.1216 0.1350 0.1491
0.1643 0.1807 0.1983 0.2174 0.2378
0.2598 0.2837 0.3085 0.3337 0.3593
0.3851 0.4112 0.4375 0.4641 0.4910
0.5185 0.5468 0.5756 0.6049 0.6346
0.6647 0.6958 0.7278 0.7609 0.7954
0.8324 0.8717 0.9124 0.9551 1.0000
Hrad:
0.0245 0.0622 0.0947 0.1245 0.1527
0.1802 0.2071 0.2329 0.2579 0.2827
0.3074 0.3275 0.3469 0.3639 0.3812
0.4022 0.4237 0.4479 0.4730 0.4917
0.5021 0.5129 0.5218 0.5312 0.5437
0.5471 0.5612 0.5918 0.6316 0.6711
0.7100 0.7484 0.7864 0.8238 0.8538
0.8769 0.9017 0.9331 0.9642 0.9950
1.0193 1.0315 1.0445 1.0569 1.0476
1.0094 1.0241 1.0243 1.0266 1.0000
Width:
0.0422 0.0543 0.0664 0.0785 0.0905
0.1024 0.1141 0.1261 0.1385 0.1508
0.1631 0.1781 0.1939 0.2117 0.2302
0.2467 0.2633 0.2781 0.2924 0.3107
0.3356 0.3615 0.3904 0.4208 0.4502
0.4893 0.5205 0.5353 0.5411 0.5466
0.5522 0.5577 0.5632 0.5687 0.5793
0.5947 0.6089 0.6182 0.6274 0.6366
0.6500 0.6718 0.6936 0.7162 0.7558
0.8227 0.8489 0.8887 0.9286 1.0000

Transect Upstream3
Area:
0.0006 0.0023 0.0050 0.0083 0.0121
0.0165 0.0214 0.0269 0.0329 0.0397
0.0479 0.0574 0.0681 0.0800 0.0928
0.1066 0.1213 0.1370 0.1537 0.1724
0.1916 0.2112 0.2310 0.2512 0.2719
0.2933 0.3154 0.3379 0.3607 0.3838
0.4172 0.4308 0.4548 0.4792 0.5043
0.5302 0.5566 0.5834 0.6106 0.6382
0.6665 0.6955 0.7273 0.7625 0.7988
0.8362 0.8744 0.9141 0.9558 1.0000
Hrad:
0.0253 0.0506 0.0845 0.1172 0.1476
0.1766 0.2047 0.2322 0.2591 0.2672
0.2667 0.2864 0.3020 0.3243 0.3504
0.3762 0.4018 0.4273 0.4351 0.4545
0.4946 0.5339 0.5724 0.6101 0.6377
0.6626 0.6916 0.7293 0.7664 0.8029
0.8390 0.8745 0.9096 0.9307 0.9485
0.9716 1.0018 1.0317 1.0613 1.0906
1.1067 1.1229 1.0191 1.0199 1.0379
1.0594 1.0820 1.0709 1.0785 1.0000
Width:
0.0239 0.0478 0.0617 0.0733 0.0849
0.0965 0.1081 0.1196 0.1312 0.1535
0.1863 0.2081 0.2344 0.2566 0.2757
0.2950 0.3144 0.3339 0.3682 0.3946
0.4014 0.4082 0.4149 0.4217 0.4354
0.4510 0.4634 0.4693 0.4752 0.4811
0.4870 0.4928 0.4988 0.5128 0.5290
0.5420 0.5507 0.5594 0.5681 0.5768
0.5931 0.6096 0.7080 0.7423 0.7640
0.7831 0.8014 0.8479 0.8809 1.0000

Transect Upstream4
Area:
0.0018 0.0046 0.0083 0.0128 0.0180
0.0238 0.0302 0.0371 0.0448 0.0547
0.0662 0.0782 0.0907 0.1038 0.1174
0.1319 0.1472 0.1638 0.1825 0.2018
0.2212 0.2408 0.2608 0.2810 0.3017
0.3227 0.3453 0.3685 0.3919 0.4155
0.4393 0.4633 0.4875 0.5118 0.5364
0.5615 0.5871 0.6133 0.6408 0.6690
0.6977 0.7269 0.7568 0.7876 0.8192

```
          0.8516     0.8851     0.9205     0.9583     1.0000
Hrad:
          0.0356     0.0671     0.0952     0.1219     0.1526
          0.1825     0.2111     0.2388     0.2457     0.2281
          0.2626     0.2959     0.3290     0.3614     0.3872
          0.4105     0.4302     0.4402     0.4405     0.4805
          0.5198     0.5573     0.5905     0.6232     0.6553
          0.6869     0.6742     0.7110     0.7474     0.7833
          0.8187     0.8537     0.8883     0.9224     0.9509
          0.9733     0.9956     1.0049     1.0036     1.0287
          1.0536     1.0784     1.0896     1.1008     1.1169
          1.1330     1.1274     1.1025     1.0707     1.0000
Width:
          0.0541     0.0732     0.0923     0.1110     0.1246
          0.1374     0.1502     0.1630     0.1916     0.2527
          0.2652     0.2777     0.2895     0.3012     0.3179
          0.3368     0.3586     0.3902     0.4339     0.4377
          0.4416     0.4466     0.4547     0.4628     0.4709
          0.4791     0.5224     0.5268     0.5312     0.5356
          0.5400     0.5444     0.5488     0.5532     0.5611
          0.5729     0.5847     0.6049     0.6332     0.6440
          0.6548     0.6656     0.6857     0.7062     0.7236
          0.7412     0.7753     0.8268     0.8894     1.0000

Transect Upstream5
Area:
          0.0012     0.0039     0.0075     0.0122     0.0185
          0.0256     0.0332     0.0413     0.0500     0.0592
          0.0689     0.0792     0.0900     0.1012     0.1130
          0.1251     0.1375     0.1502     0.1632     0.1765
          0.1902     0.2041     0.2184     0.2330     0.2480
          0.2635     0.2798     0.2968     0.3145     0.3331
          0.3525     0.3727     0.3942     0.4178     0.4431
          0.4698     0.4988     0.5309     0.5639     0.5984
          0.6349     0.6722     0.7101     0.7485     0.7872
          0.8265     0.8666     0.9084     0.9530     1.0000
Hrad:
          0.0281     0.0626     0.0927     0.1114     0.1369
          0.1752     0.2115     0.2463     0.2799     0.3124
          0.3424     0.3749     0.4068     0.4379     0.4694
          0.5056     0.5411     0.5759     0.6102     0.6439
          0.6771     0.7099     0.7421     0.7699     0.7956
          0.8104     0.8232     0.8370     0.8495     0.8616
          0.8746     0.8886     0.8484     0.8428     0.8418
          0.8363     0.8155     0.8068     0.8309     0.8203
          0.8497     0.8801     0.9176     0.9547     0.9913
          1.0230     1.0475     1.0267     1.0168     1.0000
Width:
          0.0449     0.0640     0.0831     0.1124     0.1386
          0.1495     0.1603     0.1712     0.1820     0.1929
          0.2048     0.2146     0.2243     0.2341     0.2433
          0.2496     0.2559     0.2622     0.2684     0.2747
          0.2810     0.2873     0.2936     0.3016     0.3105
          0.3241     0.3390     0.3539     0.3698     0.3865
          0.4032     0.4199     0.4663     0.4984     0.5298
          0.5663     0.6178     0.6645     0.6844     0.7354
          0.7522     0.7679     0.7768     0.7857     0.7946
          0.8074     0.8259     0.8838     0.9366     1.0000

Transect Upstream6
Area:
          0.0020     0.0057     0.0101     0.0154     0.0216
          0.0285     0.0362     0.0446     0.0534     0.0628
          0.0726     0.0829     0.0939     0.1054     0.1174
          0.1299     0.1429     0.1564     0.1705     0.1850
          0.2000     0.2153     0.2310     0.2472     0.2637
          0.2808     0.2986     0.3172     0.3364     0.3564
          0.3786     0.4016     0.4255     0.4503     0.4760
          0.5026     0.5304     0.5593     0.5897     0.6214
          0.6541     0.6875     0.7215     0.7561     0.7915
          0.8280     0.8671     0.9077     0.9506     1.0000
Hrad:
          0.0333     0.0728     0.1080     0.1404     0.1714
          0.2022     0.2321     0.2687     0.3047     0.3396
          0.3717     0.4020     0.4318     0.4612     0.4948
          0.5246     0.5434     0.5820     0.6106     0.6442
          0.6773     0.7100     0.7423     0.7742     0.8057
          0.8224     0.8398     0.8578     0.8777     0.8995
          0.8582     0.8792     0.8979     0.9152     0.9365
          0.9490     0.9612     0.9727     0.9697     0.9916
          1.0145     1.0496     1.0816     1.1092     1.1367
          1.1540     1.1196     1.1309     1.0883     1.0000
Width:
          0.0616     0.0785     0.0947     0.1108     0.1267
          0.1418     0.1569     0.1666     0.1758     0.1850
          0.1952     0.2062     0.2171     0.2280     0.2365
          0.2466     0.2570     0.2674     0.2776     0.2853
          0.2930     0.3007     0.3084     0.3161     0.3238
          0.3379     0.3520     0.3661     0.3797     0.4163
          0.4379     0.4535     0.4707     0.4888     0.5050
          0.5264     0.5485     0.5718     0.6051     0.6237
          0.6417     0.6518     0.6637     0.6783     0.6930
          0.7329     0.7718     0.8002     0.8718     1.0000


***************
Analysis Options
***************
Flow Units ............... CMS
Process Models:
  Rainfall/Runoff ........ YES
  RDII ................... NO
  Snowmelt ............... NO
  Groundwater ............ NO
  Flow Routing ........... YES
  Ponding Allowed ........ NO
  Water Quality .......... NO
Infiltration Method ...... HORTON
Flow Routing Method ...... DYNWAVE
Surcharge Method ......... EXTRAN
Starting Date ............ 01/01/2000 00:00:00
Ending Date .............. 01/02/2000 00:00:00
Antecedent Dry Days ...... 0.0
Report Time Step ......... 00:01:00
Wet Time Step ............ 00:01:00
Dry Time Step ............ 00:01:00
Routing Time Step ........ 1.00 sec
Variable Time Step ....... YES
Maximum Trials ........... 8
Number of Threads ........ 18
Head Tolerance ........... 0.001500 m


*************************        Volume         Depth
Runoff Quantity Continuity     hectare-m            mm
*************************     ----------      -------
Total Precipitation .....         1.838        21.999
Evaporation Loss ........         0.000         0.000
Infiltration Loss .......         0.997        11.941
Surface Runoff ..........         0.754         9.026
Final Storage ...........         0.087         1.039
Continuity Error (%) ....        -0.032


*************************        Volume       Volume
Flow Routing Continuity        hectare-m      10^6 ltr
*************************     ----------     ---------
Dry Weather Inflow .....           0.000        0.000
Wet Weather Inflow .....           0.754        7.539
Groundwater Inflow .....           0.000        0.000
RDII Inflow ............           0.000        0.000
External Inflow ........           0.000        0.000
External Outflow .......           0.702        7.016
Flooding Loss ..........           0.000        0.000
Evaporation Loss .......           0.000        0.000
Exfiltration Loss ......           0.050        0.505
Initial Stored Volume ....         0.000        0.000
Final Stored Volume ....           0.001        0.012
Continuity Error (%) ....          0.090


*************************
Highest Continuity Errors
*************************
Node J61 (100.00%)
Node J63 (100.00%)
Node J66 (100.00%)
Node J37 (98.72%)
Node J39 (98.50%)


*************************
Time-Step Critical Elements
*************************
None


*********************************
Highest Flow Instability Indexes
*********************************
Link C-STRM-83_(C-STRM) (15)
Link C-STRM-71_(C-STRM) (9)
Link OL15 (6)
Link C-STRM-83_(1)_(C-STRM) (5)
Link OL14 (4)


*********************************
Most Frequent Nonconverging Nodes
*********************************
Convergence obtained at all time steps.


*************************
Routing Time Step Summary
*************************
Minimum Time Step           :     0.36 sec
Average Time Step           :     1.00 sec
Maximum Time Step           :     1.00 sec
% of Time in Steady State   :     0.00
Average Iterations per Step :     2.00
% of Steps Not Converging   :     0.00
Time Step Frequencies       :
    1.000 -  0.871 sec      :    99.99 %
    0.871 -  0.758 sec      :     0.01 %
    0.758 -  0.660 sec      :     0.00 %
    0.660 -  0.574 sec      :     0.00 %
    0.574 -  0.500 sec      :     0.00 %


*************************
Subcatchment Runoff Summary
*************************

-------------------------------------------------------------------------------------------------------------------------------
                                                  Total      Total      Total      Total      Imperv       Perv
Total      Total      Peak    Runoff     Precip     Runon       Evap      Infil     Runoff     Runoff
Runoff     Runoff     Runoff    Coeff         mm         mm         mm         mm         mm         mm
Subcatchment                                 mm   10^6 ltr        CMS
-------------------------------------------------------------------------------------------------------------------------------
  A15_1                                   22.00       0.00       0.00      16.81       3.87       0.00
3.87         0.05       0.02    0.176
  A15_2                                   22.00       0.00       0.00      16.81       3.87       0.00
3.87         0.08       0.03    0.176
  A18                                     22.00       0.00       0.00      13.39       8.00       0.00
8.00         0.05       0.03    0.364
  A19                                     22.00       0.00       0.00      17.09       4.56       0.00
4.56         0.05       0.03    0.207
  A20                                     22.00       0.00       0.00      19.00       1.71       0.00
1.71         0.08       0.05    0.078
  NULL3                                   22.00       0.00       0.00       3.67      17.04       0.00
17.04        0.10       0.05    0.774
  S1                                      22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.39       0.27    0.273
  S1_1                                    22.00       0.00       0.00       9.21      14.61       0.00
11.69        0.01       0.01    0.531
  S1_2                                    22.00       0.00       0.00       9.21      14.61       0.00
11.69        0.02       0.01    0.531
  S10_1                                   22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.11       0.08    0.273
  S10_2                                   22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.13       0.09    0.273
  S10_4                                   22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.04       0.03    0.273
  S10_5                                   22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.08       0.05    0.273
  S11                                     22.00       0.00       0.00      22.00       0.00       0.00
0.00         0.00       0.00    0.000
  S12                                     22.00       0.00       0.00       9.21      14.61       0.00
11.69        0.05       0.03    0.531
  S14_1                                   22.00       0.00       0.00       9.21      14.61       0.00
11.69        0.07       0.04    0.531
  S14_3                                   22.00       0.00       0.00       9.21      14.60       0.00
11.68        0.12       0.07    0.531
  S14_4                                   22.00       0.00       0.00       9.21      14.61       0.00
11.68        0.04       0.02    0.531
  S14_5                                   22.00       0.00       0.00       9.21      14.60       0.00
11.68        0.20       0.11    0.531
  S14_6                                   22.00       0.00       0.00       9.21      14.61       0.00
11.68        0.03       0.02    0.531
  S14_7                                   22.00       0.00       0.00       9.21      14.61       0.00
11.68        0.14       0.08    0.531
  S14_8                                   22.00       0.00       0.00       9.21      14.61       0.00
11.68        0.05       0.03    0.531
  S15                                     22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.10       0.07    0.273
  S16_1                                   22.00       0.00       0.00       0.00      20.40       0.00
20.40        0.09       0.03    0.927
  S16_2                                   22.00       0.00       0.00       0.00      20.34       0.00
20.34        0.20       0.04    0.925
  S17                                     22.00       0.00       0.00      21.95       0.68       0.00
0.00         0.00       0.00    0.000
  S18_2                                   22.00       0.00       0.00      14.16      13.73       2.68
6.80         0.23       0.16    0.309
  S18_3                                   22.00       0.00       0.00      14.16      13.73       2.68
6.80         0.11       0.08    0.309
  S18_4                                   22.00       0.00       0.00      14.16      13.73       2.68
6.80         0.06       0.04    0.309
  S18_5                                   22.00       0.00       0.00      14.16      13.73       2.68
6.80         0.12       0.09    0.309
  S18_6                                   22.00       0.00       0.00      14.16      13.73       2.68
6.80         0.06       0.04    0.309
  S19                                     22.00       0.00       0.00       9.21      14.61       0.00
11.68        0.11       0.06    0.531
  S2                                      22.00       0.00       0.00       9.21      14.60       0.00
11.68        0.04       0.02    0.531
  S2_1                                    22.00       0.00       0.00      14.16      13.73       2.68
6.80         0.21       0.15    0.309
  S2_2                                    22.00       0.00       0.00      14.16      13.73       2.68
6.80         0.07       0.05    0.309
  S20_1                                   22.00       0.00       0.00       9.21      14.61       0.00
11.69        0.05       0.03    0.531
  S20_2                                   22.00       0.00       0.00       9.21      14.61       0.00
11.69        0.03       0.02    0.531
  S3                                      22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.13       0.09    0.273
  S32_1                                   22.00       0.00       0.00       9.21      14.61       0.00
11.69        0.05       0.03    0.531
  S32_2                                   22.00       0.00       0.00      15.01      13.14       2.05
6.00         0.01       0.01    0.273
  S36                                     22.00       0.00       0.00       0.00      20.27       0.00
20.27        0.37       0.06    0.922
  S4                                      22.00       0.00       0.00       3.14      17.49       0.00
17.49        2.31       0.87    0.795
```

S5			22.00	0.00	0.00	3.14	17.51	0.00
17.51	0.56	0.28	0.796					
S6			22.00	0.00	0.00	11.77	11.69	0.00
9.35	0.03	0.02	0.425					
S7			22.00	0.00	0.00	3.14	17.51	0.00
17.51	0.70	0.35	0.796					
S8			22.00	0.00	0.00	21.44	7.30	0.00
0.00	0.00	0.00	0.000					

****
Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days	hr:min	Reported Max Depth Meters
EXD_1	JUNCTION	0.01	0.07	104.47	0	01:08	0.07
EXD_10	JUNCTION	0.03	0.17	98.82	0	01:32	0.17
EXD_11	JUNCTION	0.02	0.13	98.63	0	01:32	0.13
EXD_12	JUNCTION	0.03	0.18	98.48	0	01:31	0.18
EXD_13	JUNCTION	0.01	0.08	104.41	0	01:11	0.08
EXD_14	JUNCTION	0.00	0.00	102.49	0	00:00	0.00
EXD_15	JUNCTION	0.01	0.22	100.49	0	01:15	0.22
EXD_16	JUNCTION	0.01	0.12	100.32	0	01:16	0.12
EXD_17	JUNCTION	0.01	0.14	100.02	0	01:17	0.14
EXD_18	JUNCTION	0.01	0.10	99.50	0	01:23	0.10
EXD_19	JUNCTION	0.02	0.17	99.36	0	01:27	0.17
EXD_2	JUNCTION	0.02	0.14	103.61	0	01:20	0.14
EXD_20	JUNCTION	0.02	0.18	99.16	0	01:28	0.18
EXD_21	JUNCTION	0.02	0.16	99.34	0	01:29	0.16
EXD_22	JUNCTION	0.01	0.10	99.24	0	01:18	0.10
EXD_23	JUNCTION	0.03	0.15	98.90	0	01:35	0.15
EXD_24	JUNCTION	0.01	0.08	98.74	0	01:40	0.08
EXD_25	JUNCTION	0.02	0.13	98.65	0	01:43	0.13
EXD_26	JUNCTION	0.01	0.08	98.56	0	01:46	0.08
EXD_27	JUNCTION	0.03	0.16	98.52	0	01:40	0.16
EXD_3	JUNCTION	0.00	0.06	103.25	0	01:22	0.06
EXD_4	JUNCTION	0.00	0.06	102.70	0	01:24	0.06
EXD_5	JUNCTION	0.01	0.09	102.58	0	01:24	0.09
EXD_6	JUNCTION	0.01	0.08	102.40	0	01:25	0.08
EXD_7	JUNCTION	0.01	0.05	101.54	0	01:34	0.05
EXD_8	JUNCTION	0.02	0.16	100.65	0	01:34	0.16
EXD_9	JUNCTION	0.01	0.09	100.47	0	01:37	0.09
J1	JUNCTION	0.00	0.00	103.45	0	00:00	0.00
J13	JUNCTION	0.00	0.00	103.30	0	00:00	0.00
J17	JUNCTION	0.01	0.07	104.45	0	01:07	0.07
J19	JUNCTION	0.00	0.00	105.60	0	01:07	0.00
J2	JUNCTION	0.00	0.00	109.00	0	01:15	0.00
J20	JUNCTION	0.00	0.00	105.80	0	01:15	0.00
J21	JUNCTION	0.00	0.00	105.90	0	01:15	0.00
J22	JUNCTION	0.00	0.00	106.00	0	00:00	0.00
J23	JUNCTION	0.00	0.00	106.20	0	00:00	0.00
J27	JUNCTION	0.00	0.00	109.00	0	01:15	0.00
J28	JUNCTION	0.00	0.00	108.80	0	01:15	0.00
J3	JUNCTION	0.00	0.00	103.70	0	00:00	0.00
J31	JUNCTION	0.00	0.00	106.00	0	00:00	0.00
J35	JUNCTION	0.00	0.00	104.70	0	01:15	0.00
J36	JUNCTION	0.00	0.00	104.53	0	00:00	0.00
J37	JUNCTION	0.00	0.00	104.65	0	01:31	0.00
J38	JUNCTION	0.00	0.00	104.60	0	01:13	0.00
J39	JUNCTION	0.00	0.00	104.45	0	01:31	0.00
J4	JUNCTION	0.00	0.00	103.60	0	00:00	0.00
J40	JUNCTION	0.00	0.00	103.20	0	01:17	0.00
J42	JUNCTION	0.00	0.00	104.20	0	01:15	0.00
J43	JUNCTION	0.00	0.00	104.50	0	01:15	0.00
J45	JUNCTION	0.00	0.00	104.50	0	00:00	0.00
J46	JUNCTION	0.00	0.00	105.10	0	00:00	0.00
J47	JUNCTION	0.00	0.00	105.75	0	01:15	0.00
J49	JUNCTION	0.00	0.00	105.30	0	00:00	0.00
J5	JUNCTION	0.00	0.00	103.50	0	00:00	0.00
J50	JUNCTION	0.00	0.00	106.75	0	01:15	0.00
J51	JUNCTION	0.00	0.00	109.75	0	00:00	0.00
J52	JUNCTION	0.00	0.00	109.00	0	00:00	0.00
J55	JUNCTION	0.00	0.00	109.10	0	00:00	0.00
J56	JUNCTION	0.00	0.00	108.47	0	00:00	0.00
J57	JUNCTION	0.00	0.00	108.40	0	01:15	0.00
J58	JUNCTION	0.00	0.00	108.00	0	01:14	0.00
J6	JUNCTION	0.00	0.00	103.40	0	00:00	0.00
J60	JUNCTION	0.00	0.00	107.00	0	01:15	0.00
J61	JUNCTION	0.00	0.00	107.50	0	01:33	0.00
J62	JUNCTION	0.00	0.00	105.70	0	00:00	0.00
J63	JUNCTION	0.00	0.00	105.20	0	03:47	0.00
J66	JUNCTION	0.00	0.00	107.75	0	01:30	0.00
J67	JUNCTION	0.00	0.00	107.50	0	00:00	0.00
J74	JUNCTION	0.14	0.33	98.78	0	02:33	0.33
OF1	OUTFALL	0.00	0.00	100.80	0	00:00	0.00
OF2	OUTFALL	0.00	0.00	0.00	0	00:00	0.00
OF3/Municipal-Drain	OUTFALL	0.02	0.13	98.13	0	01:40	0.13
ST4_108A (P-Stm)	OUTFALL	0.15	0.55	98.57	0	02:33	0.55
500_(C-STRM)	STORAGE	0.29	0.62	100.98	0	01:11	0.62
502_(C-STRM)	STORAGE	0.03	0.69	101.26	0	01:13	0.69
503_(C-STRM)	STORAGE	0.03	0.68	101.29	0	01:13	0.68
504_(C-STRM)	STORAGE	0.31	0.66	103.72	0	01:15	0.66
505_(C-STRM)	STORAGE	0.31	0.66	104.14	0	01:15	0.66
506_(C-STRM)	STORAGE	0.31	0.65	104.88	0	01:15	0.65
507_(C-STRM)	STORAGE	0.31	0.63	104.79	0	01:16	0.63
508_(C-STRM)	STORAGE	0.31	0.63	105.02	0	01:16	0.63
509_(C-STRM)	STORAGE	0.31	0.63	105.25	0	01:15	0.63
510_(C-STRM)	STORAGE	0.31	0.60	105.47	0	01:15	0.60
511_(C-STRM)	STORAGE	0.31	0.61	105.54	0	01:15	0.61
512_(C-STRM)	STORAGE	0.31	0.63	105.76	0	01:15	0.63
513_(C-STRM)	STORAGE	0.31	0.60	105.86	0	01:15	0.60
514_(C-STRM)	STORAGE	0.00	0.00	105.61	0	00:00	0.00
515_(C-STRM)	STORAGE	0.00	0.00	105.88	0	00:00	0.00
516_(C-STRM)	STORAGE	0.31	0.61	106.09	0	01:16	0.61
517_(C-STRM)	STORAGE	0.31	0.64	106.28	0	01:15	0.64
518_(C-STRM)	STORAGE	0.31	0.67	106.55	0	01:15	0.67
519_(C-STRM)	STORAGE	0.30	0.49	106.58	0	01:15	0.48
520_(C-STRM)	STORAGE	0.30	0.48	106.85	0	01:15	0.48
522_(C-STRM)	STORAGE	0.30	0.46	104.76	0	01:15	0.46
525_(C-STRM)	STORAGE	0.03	0.67	101.26	0	01:12	0.67
528_(C-STRM)	STORAGE	0.02	0.60	101.29	0	01:13	0.60
532_(C-STRM)	STORAGE	0.02	0.53	101.33	0	01:14	0.53
536_(C-STRM)	STORAGE	0.02	0.45	101.40	0	01:16	0.45
540_(C-STRM)	STORAGE	0.31	0.67	101.50	0	01:16	0.67
541_(C-STRM)	STORAGE	0.30	0.64	101.55	0	01:16	0.64
551_(C-STRM)	STORAGE	0.30	0.61	101.58	0	01:13	0.61
552_(C-STRM)	STORAGE	0.30	0.56	101.33	0	01:14	0.56
553_(C-STRM)	STORAGE	0.30	0.51	101.47	0	01:13	0.51
554_(C-STRM)	STORAGE	0.29	0.39	101.47	0	01:11	0.39
555_(C-STRM)	STORAGE	0.00	0.00	101.27	0	00:00	0.00
556_(C-STRM)	STORAGE	0.00	0.00	101.39	0	00:00	0.00
601_(C-STRM)	STORAGE	0.06	0.65	101.09	0	01:20	0.65
602_(C-STRM)	STORAGE	0.06	0.86	101.41	0	01:20	0.86
603_(C-STRM)	STORAGE	0.06	0.85	101.40	0	01:20	0.85
604_(C-STRM)	STORAGE	0.06	0.93	101.56	0	01:19	0.93
605_(C-STRM)	STORAGE	0.29	0.62	102.00	0	01:16	0.62
619_(C-STRM)	STORAGE	0.06	0.86	101.98	0	01:18	0.86
622_(C-STRM)	STORAGE	0.06	0.88	102.11	0	01:17	0.88
626_(C-STRM)	STORAGE	0.00	0.00	104.00	0	00:00	0.00
627_(C-STRM)	STORAGE	0.29	0.39	102.59	0	01:16	0.39
629_(C-STRM)	STORAGE	0.06	0.63	102.34	0	01:16	0.63
630_(C-STRM)	STORAGE	0.05	0.67	102.50	0	01:15	0.66
630A_(C-STRM)	STORAGE	0.05	0.67	102.55	0	01:15	0.67
633_TC-STRM)	STORAGE	0.00	0.02	105.32	0	01:19	0.02
634_(C-STRM)	STORAGE	0.29	0.60	102.48	0	01:17	0.60
637_(C-STRM)	STORAGE	0.00	0.00	105.35	0	01:15	0.00
643_(C-STRM)	STORAGE	0.29	0.59	102.66	0	01:16	0.59
644_(C-STRM)	STORAGE	0.00	0.00	102.54	0	00:00	0.00
645_(C-STRM)	STORAGE	0.03	0.44	102.74	0	01:16	0.44
646_(C-STRM)	STORAGE	0.03	0.44	102.87	0	01:15	0.44
647_(C-STRM)	STORAGE	0.02	0.40	102.98	0	01:15	0.40
650_(C-STRM)	STORAGE	0.06	0.85	101.83	0	01:19	0.85
651_(C-STRM)	STORAGE	0.06	0.88	101.77	0	01:19	0.88
652_(C-STRM)	STORAGE	0.07	0.86	101.73	0	01:19	0.86
Filter_Bed	STORAGE	0.22	0.57	100.67	0	03:25	0.57
Industrial_NORTH	STORAGE	0.00	0.00	105.20	0	01:15	0.00
Industrial_South	STORAGE	0.00	0.01	105.01	0	01:15	0.01
MTD_(C-STRM)	STORAGE	0.09	0.87	101.23	0	01:12	0.86
OVERFLOW_(C-STRM)	STORAGE	0.19	1.02	101.19	0	01:11	1.02
PARK	STORAGE	0.00	0.00	105.36	0	00:00	0.00
POND_(C-STRM)	STORAGE	0.32	0.95	99.40	0	02:33	0.95
S_504-503	STORAGE	0.00	0.00	105.75	0	01:15	0.00
S_525-MTD	STORAGE	0.00	0.00	103.45	0	01:15	0.00
S_528-525	STORAGE	0.00	0.00	103.50	0	01:15	0.00
S_532-528	STORAGE	0.00	0.00	103.65	0	01:15	0.00
S_536-532	STORAGE	0.00	0.00	103.70	0	01:15	0.00
S_540-536	STORAGE	0.00	0.00	103.85	0	01:15	0.00
S_545-541	STORAGE	0.00	0.00	103.90	0	01:15	0.00
S_607-605	STORAGE	0.00	0.00	107.90	0	01:15	0.00
S_620-619	STORAGE	0.00	0.00	106.90	0	01:15	0.00
S_622-619	STORAGE	0.00	0.00	106.00	0	01:15	0.00
S_623-622	STORAGE	0.00	0.00	106.50	0	01:15	0.00
S_627-630	STORAGE	0.00	0.00	106.70	0	01:15	0.00
S_652-604	STORAGE	0.00	0.00	105.85	0	01:15	0.00
Woodlot_North	STORAGE	0.00	0.00	106.75	0	00:00	0.00

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Node Inflow Summary
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Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days	hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
EXD_1	JUNCTION	0.000	0.028	0	01:15	0	0.0508	-0.123
EXD_10	JUNCTION	0.091	0.129	0	01:30	0.463	0.764	-0.031
EXD_11	JUNCTION	0.000	0.127	0	01:32	0	0.764	0.021
EXD_12	JUNCTION	0.027	0.143	0	01:30	0.0832	0.847	0.006
EXD_13	JUNCTION	0.000	0.030	0	01:08	0	0.0509	-0.442
EXD_14	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
EXD_15	JUNCTION	0.045	0.045	0	01:15	0.0827	0.0827	-0.016
EXD_16	JUNCTION	0.000	0.041	0	01:15	0	0.0827	-0.670
EXD_17	JUNCTION	0.000	0.040	0	01:16	0	0.0833	-0.068
EXD_18	JUNCTION	0.000	0.040	0	01:19	0	0.0833	1.324
EXD_19	JUNCTION	0.000	0.034	0	01:23	0	0.0912	-0.289
EXD_2	JUNCTION	0.000	0.029	0	01:11	0	0.0511	1.223
EXD_20	JUNCTION	0.028	0.038	0	01:26	0.0505	0.142	-0.037
EXD_21	JUNCTION	0.000	0.038	0	01:26	0	0.133	-0.113
EXD_22	JUNCTION	0.000	0.037	0	01:29	0	0.133	-0.949
EXD_23	JUNCTION	0.000	0.042	0	01:20	0	0.134	1.332
EXD_24	JUNCTION	0.000	0.036	0	01:37	0	0.133	0.444
EXD_25	JUNCTION	0.026	0.038	0	01:40	0.0475	0.18	0.018
EXD_26	JUNCTION	0.000	0.038	0	01:42	0	0.18	0.037
EXD_27	JUNCTION	0.053	0.177	0	01:39	0.0963	1.12	0.053
EXD_3	JUNCTION	0.000	0.023	0	01:21	0	0.0505	0.295
EXD_4	JUNCTION	0.000	0.023	0	01:23	0	0.0504	0.117
EXD_5	JUNCTION	0.000	0.022	0	01:24	0	0.0503	-0.019
EXD_6	JUNCTION	0.000	0.022	0	01:24	0	0.0503	-0.412
EXD_7	JUNCTION	0.000	0.022	0	01:26	0	0.0505	2.513
EXD_8	JUNCTION	0.063	0.063	0	01:15	0.252	0.301	-0.139
EXD_9	JUNCTION	0.000	0.057	0	01:34	0	0.302	0.397
J1	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J13	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J17	JUNCTION	0.000	0.028	0	01:15	0	0.0508	-0.203
J19	JUNCTION	0.006	0.006	0	01:15	0.011	0.011	-0.022
J2	JUNCTION	0.028	0.028	0	01:15	0.0509	0.0509	-0.464
J20	JUNCTION	0.024	0.024	0	01:15	0.0435	0.0435	-0.310
J21	JUNCTION	0.009	0.009	0	01:15	0.0163	0.0163	-0.078
J22	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J23	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J27	JUNCTION	0.039	0.039	0	01:15	0.0706	0.0706	-0.443
J28	JUNCTION	0.108	0.108	0	01:15	0.197	0.197	-1.397
J3	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J31	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J35	JUNCTION	0.062	0.062	0	01:15	0.113	0.113	-0.380
J36	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J37	JUNCTION	0.000	0.000	0	01:15	0	5.12e-06	5.056 ltr
J38	JUNCTION	0.015	0.015	0	01:15	0.0277	0.0277	-0.096
J39	JUNCTION	0.000	0.000	0	01:15	0	9.19e-06	9.054 ltr
J4	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J40	JUNCTION	0.000	0.000	0	01:15	0	2.03e-05	0.123 ltr
J42	JUNCTION	0.029	0.029	0	01:15	0.0527	0.0528	-0.064
J43	JUNCTION	0.027	0.027	0	01:15	0.0499	0.0499	-0.290
J45	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J46	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J47	JUNCTION	0.020	0.020	0	01:15	0.0359	0.0359	-0.299
J49	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J5	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J50	JUNCTION	0.027	0.027	0	01:15	0.0498	0.0499	-0.453

J51	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J52	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J55	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J56	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J57	JUNCTION	0.068	0.068	0	01:15	0.124	0.124	- 1.464
J58	JUNCTION	0.018	0.018	0	01:15	0.0325	0.0325	- 0.066
J6	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J60	JUNCTION	0.076	0.076	0	01:15	0.14	0.14	- 0.160
J61	JUNCTION	0.000	0.000	0	01:15	0	1.25e-05	12.541 ltr
J62	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J63	JUNCTION	0.000	0.000	0	01:15	0	2.29e-05	22.923 ltr
J66	JUNCTION	0.000	0.000	0	01:15	0	9.67e-06	9.667 ltr
J67	JUNCTION	0.000	0.000	0	00:00	0	0	0.000 ltr
J74	JUNCTION	0.000	0.200	0	02:33	0	5.86	- 0.023
OF1	OUTFALL	0.000	0.000	0	00:00	0	0	0.000 ltr
OF2	OUTFALL	0.017	0.017	0	01:15	0.032	0.032	0.000
OF3/Municipal-Drain	OUTFALL	0.000	0.177	0	01:40	0	1.12	0.000
ST4_108A_(P-Stm)	OUTFALL	0.000	0.200	0	02:33	0	5.86	0.000
500_(C-STRM)	STORAGE	0.000	0.238	0	01:11	0	0.0834	- 2.149
502_(C-STRM)	STORAGE	0.000	0.483	0	01:15	0	0.896	0.111
503_(C-STRM)	STORAGE	0.000	0.351	0	01:15	0	0.704	0.002
504_(C-STRM)	STORAGE	0.000	0.339	0	01:15	0	0.65	- 0.607
505_(C-STRM)	STORAGE	0.000	0.319	0	01:15	0	0.607	0.291
506_(C-STRM)	STORAGE	0.000	0.294	0	01:15	0	0.559	0.303
507_(C-STRM)	STORAGE	0.000	0.226	0	01:16	0	0.417	- 0.576
508_(C-STRM)	STORAGE	0.000	0.227	0	01:16	0	0.417	0.033
509_(C-STRM)	STORAGE	0.000	0.227	0	01:15	0	0.417	- 0.037
510_(C-STRM)	STORAGE	0.000	0.227	0	01:15	0	0.419	0.300
511_(C-STRM)	STORAGE	0.000	0.227	0	01:15	0	0.42	0.200
512_(C-STRM)	STORAGE	0.000	0.211	0	01:15	0	0.387	- 0.134
513_(C-STRM)	STORAGE	0.000	0.212	0	01:15	0	0.394	1.576
514_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
515_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
516_(C-STRM)	STORAGE	0.000	0.145	0	01:15	0	0.266	- 0.983
517_(C-STRM)	STORAGE	0.000	0.146	0	01:15	0	0.267	0.265
518_(C-STRM)	STORAGE	0.000	0.146	0	01:15	0	0.271	1.311
519_(C-STRM)	STORAGE	0.000	0.039	0	01:15	0	0.0705	- 0.764
520_(C-STRM)	STORAGE	0.000	0.039	0	01:15	0	0.0709	0.052
522_(C-STRM)	STORAGE	0.000	0.028	0	01:15	0	0.0511	0.069
525_(C-STRM)	STORAGE	0.000	0.447	0	01:16	0	0.679	0.069
528_(C-STRM)	STORAGE	0.000	0.377	0	01:16	0	0.579	0.013
532_(C-STRM)	STORAGE	0.000	0.299	0	01:16	0	0.467	0.033
536_(C-STRM)	STORAGE	0.000	0.259	0	01:16	0	0.411	0.312
540_(C-STRM)	STORAGE	0.000	0.186	0	01:15	0	0.287	- 0.044
541_(C-STRM)	STORAGE	0.000	0.149	0	01:15	0	0.228	0.200
551_(C-STRM)	STORAGE	0.000	0.082	0	01:15	0	0.139	- 0.555
552_(C-STRM)	STORAGE	0.000	0.077	0	01:13	0	0.139	0.221
553_(C-STRM)	STORAGE	0.000	0.063	0	01:13	0	0.115	1.561
554_(C-STRM)	STORAGE	0.000	0.006	0	01:05	0	0.00135	- 24.455
555_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
556_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
601_(C-STRM)	STORAGE	0.000	1.532	0	01:20	0	3.59	0.007
602_(C-STRM)	STORAGE	0.000	1.535	0	01:20	0	3.59	0.010
603_(C-STRM)	STORAGE	0.000	1.550	0	01:19	0	3.59	0.002
604_(C-STRM)	STORAGE	0.000	1.566	0	01:18	0	3.59	- 0.046
605_(C-STRM)	STORAGE	0.000	0.200	0	01:15	0	0.195	- 0.044
619_(C-STRM)	STORAGE	0.000	1.413	0	01:17	0	3.27	- 0.012
622_(C-STRM)	STORAGE	0.000	1.372	0	01:16	0	3.21	- 0.018
626_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
627_(C-STRM)	STORAGE	0.000	0.022	0	01:15	0	0.0189	0.015
629_(C-STRM)	STORAGE	0.000	1.161	0	01:16	0	2.96	0.017
630_(C-STRM)	STORAGE	0.000	1.163	0	01:15	0	2.96	- 0.020
630A_(C-STRM)	STORAGE	0.000	1.146	0	01:15	0	2.95	0.167
633_(C-STRM)	STORAGE	0.049	0.049	0	01:15	0.0689	0.0689	0.000
634_(C-STRM)	STORAGE	0.000	0.138	0	01:16	0	0.143	- 1.117
637_(C-STRM)	STORAGE	0.151	0.151	0	01:15	0.214	0.214	0.000
643_(C-STRM)	STORAGE	0.000	0.119	0	01:15	0	0.113	4.543
644_(C-STRM)	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
645_(C-STRM)	STORAGE	0.000	0.301	0	01:15	0	0.631	0.235
646_(C-STRM)	STORAGE	0.000	0.301	0	01:15	0	0.614	- 0.026
647_(C-STRM)	STORAGE	0.000	0.281	0	01:15	0	0.571	0.110
650_(C-STRM)	STORAGE	0.000	1.384	0	01:17	0	3.27	0.024
651_(C-STRM)	STORAGE	0.000	1.354	0	01:18	0	3.27	0.008
652_(C-STRM)	STORAGE	0.000	1.406	0	01:19	0	3.4	0.013
Filter_Bed	STORAGE	0.000	1.095	0	01:14	0	1.49	0.123
Industrial_NORTH	STORAGE	0.865	0.865	0	01:15	2.31	2.31	- 0.244
Industrial_South	STORAGE	0.277	0.277	0	01:15	0.56	0.56	- 0.143
MTD_(C-STRM)	STORAGE	0.000	0.970	0	01:15	0	1.57	- 0.036
OVERFLOW_(C-STRM)	STORAGE	0.000	1.024	0	01:14	0	1.57	0.052
PARK	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr
POND_(C-STRM)	STORAGE	0.352	1.750	0	01:20	0.698	5.86	0.003
S_504-503	STORAGE	0.006	0.006	0	01:15	0.00954	0.00954	- 0.073
S_525-MTD	STORAGE	0.067	0.067	0	01:15	0.0981	0.0981	- 0.065
S_528-525	STORAGE	0.080	0.080	0	01:15	0.113	0.113	- 0.063
S_532-528	STORAGE	0.040	0.040	0	01:15	0.0571	0.0571	- 0.063
S_536-532	STORAGE	0.088	0.088	0	01:15	0.124	0.124	- 0.060
S_540-536	STORAGE	0.042	0.042	0	01:15	0.0595	0.0595	- 0.063
S_545-541	STORAGE	0.161	0.161	0	01:15	0.228	0.228	- 0.060
S_607-605	STORAGE	0.265	0.265	0	01:15	0.391	0.391	- 0.000
S_620-619	STORAGE	0.075	0.075	0	01:15	0.111	0.111	- 0.000
S_622-619	STORAGE	0.051	0.051	0	01:15	0.0757	0.0757	0.000
S_623-622	STORAGE	0.087	0.087	0	01:15	0.128	0.128	- 0.000
S_627-630	STORAGE	0.030	0.030	0	01:15	0.0441	0.0441	0.000
S_652-604	STORAGE	0.086	0.086	0	01:15	0.127	0.127	- 0.069
Woodlot_North	STORAGE	0.000	0.000	0	00:00	0	0	0.000 ltr

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Node Surcharge Summary
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No nodes were surcharged.

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Node Flooding Summary
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No nodes were flooded.

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Storage Volume Summary
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Storage Unit	Average Volume 1000 m³	Avg Pcnt Full	Evap Pcnt Loss	Exfil Pcnt Loss	Maximum Volume 1000 m³	Max Pcnt Full	Time of Max Occurrence days hr:min	Maximum Outflow CMS
500_(C-STRM)	0.000	10.4	0.0	0.0	0.001	22.1	0 01:11	0.238
502_(C-STRM)	0.000	0.8	0.0	0.0	0.001	18.7	0 01:13	0.537
503_(C-STRM)	0.000	0.7	0.0	0.0	0.001	17.3	0 01:13	0.357
504_(C-STRM)	0.000	11.1	0.0	0.0	0.001	23.5	0 01:15	0.334
505_(C-STRM)	0.000	9.5	0.0	0.0	0.001	20.3	0 01:15	0.316
506_(C-STRM)	0.000	9.8	0.0	0.0	0.001	20.6	0 01:15	0.293
507_(C-STRM)	0.000	9.6	0.0	0.0	0.001	19.6	0 01:16	0.226
508_(C-STRM)	0.000	9.6	0.0	0.0	0.001	19.8	0 01:16	0.226
509_(C-STRM)	0.000	9.8	0.0	0.0	0.001	20.3	0 01:15	0.227
510_(C-STRM)	0.000	10.0	0.0	0.0	0.001	19.6	0 01:15	0.227
511_(C-STRM)	0.000	10.0	0.0	0.0	0.001	19.8	0 01:15	0.227
512_(C-STRM)	0.000	9.9	0.0	0.0	0.001	20.3	0 01:15	0.210
513_(C-STRM)	0.000	9.8	0.0	0.0	0.001	19.1	0 01:15	0.211
514_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
515_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
516_(C-STRM)	0.000	10.1	0.0	0.0	0.001	20.2	0 01:16	0.144
517_(C-STRM)	0.000	10.3	0.0	0.0	0.001	21.3	0 01:15	0.145
518_(C-STRM)	0.000	10.8	0.0	0.0	0.001	23.3	0 01:15	0.146
519_(C-STRM)	0.000	10.8	0.0	0.0	0.001	17.4	0 01:15	0.039
520_(C-STRM)	0.000	11.4	0.0	0.0	0.001	18.2	0 01:15	0.039
522_(C-STRM)	0.000	10.0	0.0	0.0	0.001	15.3	0 01:15	0.028
525_(C-STRM)	0.000	1.0	0.0	0.0	0.001	24.7	0 01:12	0.468
528_(C-STRM)	0.000	0.8	0.0	0.0	0.001	22.1	0 01:13	0.389
532_(C-STRM)	0.000	0.7	0.0	0.0	0.001	19.7	0 01:14	0.306
536_(C-STRM)	0.000	0.7	0.0	0.0	0.001	17.0	0 01:16	0.263
540_(C-STRM)	0.000	10.7	0.0	0.0	0.001	23.2	0 01:16	0.182
541_(C-STRM)	0.000	10.4	0.0	0.0	0.001	22.0	0 01:16	0.146
551_(C-STRM)	0.000	8.0	0.0	0.0	0.001	16.1	0 01:13	0.101
552_(C-STRM)	0.000	7.8	0.0	0.0	0.001	14.5	0 01:14	0.082
553_(C-STRM)	0.000	8.1	0.0	0.0	0.001	13.5	0 01:13	0.062
554_(C-STRM)	0.000	7.4	0.0	0.0	0.000	10.1	0 01:11	0.007
555_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
556_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0 00:00	0.000
601_(C-STRM)	0.000	1.3	0.0	0.0	0.001	14.7	0 01:20	1.533
602_(C-STRM)	0.000	1.5	0.0	0.0	0.001	20.6	0 01:20	1.532
603_(C-STRM)	0.000	1.5	0.0	0.0	0.001	21.2	0 01:20	1.535
604_(C-STRM)	0.000	1.2	0.0	0.0	0.001	18.1	0 01:19	1.550
605_(C-STRM)	0.000	5.5	0.0	0.0	0.001	11.6	0 01:16	0.194

619_(C-STRM)	0.000	1.1	0.0	0.0	0.001	15.9	0	01:18
1.384								
622_(C-STRM)	0.000	1.2	0.0	0.0	0.001	18.4	0	01:17
1.362								
626_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0	00:00
0.000								
627_(C-STRM)	0.000	8.2	0.0	0.0	0.000	11.2	0	01:16
0.020								
629_(C-STRM)	0.000	1.4	0.0	0.0	0.001	14.3	0	01:16
1.154								
630_(C-STRM)	0.000	1.2	0.0	0.0	0.001	15.3	0	01:15
1.161								
630A_(C-STRM)	0.000	1.3	0.0	0.0	0.001	16.3	0	01:15
1.145								
633_(C-STRM)	0.000	0.1	0.0	49.3	0.013	3.6	0	01:19
0.030								
634_(C-STRM)	0.000	7.7	0.0	0.0	0.001	15.6	0	01:17
0.129								
637_(C-STRM)	0.000	0.0	0.0	47.0	0.007	0.6	0	01:15
0.141								
643_(C-STRM)	0.000	8.5	0.0	0.0	0.001	17.2	0	01:16
0.117								
644_(C-STRM)	0.000	0.0	0.0	0.0	0.000	0.0	0	00:00
0.000								
645_(C-STRM)	0.000	0.9	0.0	0.0	0.000	12.2	0	01:16
0.296								
646_(C-STRM)	0.000	0.8	0.0	0.0	0.000	13.1	0	01:15
0.295								
647_(C-STRM)	0.000	0.8	0.0	0.0	0.000	13.4	0	01:15
0.278								
650_(C-STRM)	0.000	1.1	0.0	0.0	0.001	16.3	0	01:19
1.354								
651_(C-STRM)	0.000	1.2	0.0	0.0	0.001	17.7	0	01:19
1.346								
652_(C-STRM)	0.000	1.3	0.0	0.0	0.001	17.3	0	01:19
1.402								
Filter_Bed	0.429	12.9	0.0	0.0	1.132	33.9	0	03:25
0.026								
Industrial_NORTH	0.001	0.0	0.0	0.0	0.017	0.7	0	01:15
0.856								
Industrial_South	0.000	0.0	0.0	0.0	0.008	1.0	0	01:15
0.275								
MTD_(C-STRM)	0.000	3.1	0.0	0.0	0.001	28.7	0	01:12
1.024								
OVERFLOW_(C-STRM)	0.000	6.7	0.0	0.0	0.001	36.0	0	01:11
1.099								
PARK	0.000	0.0	0.0	0.0	0.000	0.0	0	00:00
0.000								
POND_(C-STRM)	0.543	1.5	0.0	0.0	2.716	7.5	0	02:33
0.200								
S_504-503	0.000	0.0	0.0	0.0	0.000	0.6	0	01:15
0.006								
S_525-MTD	0.000	0.0	0.0	0.0	0.004	0.6	0	01:15
0.052								
S_528-525	0.000	0.0	0.0	0.0	0.004	0.7	0	01:15
0.075								
S_532-528	0.000	0.0	0.0	0.0	0.002	0.7	0	01:15
0.038								
S_536-532	0.000	0.0	0.0	0.0	0.003	0.8	0	01:15
0.084								
S_540-536	0.000	0.0	0.0	0.0	0.001	0.7	0	01:15
0.040								
S_545-541	0.000	0.0	0.0	0.0	0.009	0.8	0	01:15
0.149								
S_607-605	0.000	0.0	0.0	50.0	0.014	0.6	0	01:15
0.243								
S_620-619	0.000	0.0	0.0	46.5	0.002	0.5	0	01:15
0.072								
S_622-619	0.000	0.0	0.0	51.3	0.002	0.5	0	01:15
0.048								
S_623-622	0.000	0.0	0.0	46.5	0.003	0.6	0	01:15
0.082								
S_627-630	0.000	0.0	0.0	57.3	0.001	0.4	0	01:15
0.028								
S_652-604	0.000	0.0	0.0	0.0	0.005	0.6	0	01:15
0.080								
Woodlot_North	0.000	0.0	0.0	0.0	0.000	0.0	0	00:00
0.000								

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Outfall Loading Summary
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Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
OF1	0.00	0.000	0.000	0.000
OF2	14.90	0.002	0.017	0.032
OF3/Municipal-Drain	96.76	0.013	0.177	1.122
ST4_108A_(P-Stm)	96.89	0.070	0.200	5.861
System	52.14	0.086	0.371	7.016

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Link Flow Summary
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Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
BDR-C1	CONDUIT	0.041	0 01:15	0.81	0.61	0.42
BDR-C2	CONDUIT	0.038	0 01:26	0.78	0.72	0.41
BDR-C3	CONDUIT	0.038	0 01:42	1.30	0.19	0.21
BDR-C4	CONDUIT	0.143	0 01:31	1.50	0.05	0.14
C1	CHANNEL	0.000	0 01:15	0.03	0.00	0.01
C1_1	CHANNEL	0.000	0 01:15	0.04	0.00	0.01
C1_11	CHANNEL	0.000	0 01:15	0.13	0.00	0.01
C1_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C1_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C1_4	CHANNEL	0.000	0 01:15	0.00	0.00	0.01
C1_5	CHANNEL	0.000	0 01:15	0.07	0.00	0.01
C1_6	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C1_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C1_8	CHANNEL	0.000	0 01:15	0.06	0.00	0.01
C1_9	CHANNEL	0.000	0 01:15	0.11	0.00	0.01
C2	CHANNEL	0.000	0 01:15	0.00	0.00	0.01
C2_1	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_10	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_11	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C2_12	CHANNEL	0.000	0 01:15	0.00	0.00	0.01
C2_13	CHANNEL	0.000	0 01:31	0.00	0.00	0.01
C2_14	CHANNEL	0.000	0 01:15	0.00	0.00	0.01
C2_15	CHANNEL	0.000	0 01:31	0.00	0.00	0.01
C2_16	CHANNEL	0.000	0 01:15	0.10	0.00	0.01
C2_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_2	CHANNEL	0.000	0 01:15	0.00	0.00	0.01
C2_3	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C2_4	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C2_8	CHANNEL	0.000	0 01:15	0.00	0.00	0.01
C2_9	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C3	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C3_2	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C3_6	CHANNEL	0.000	0 01:15	0.04	0.00	0.02
C3_7	CHANNEL	0.000	0 01:15	0.05	0.00	0.02
C4	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C4_5	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C4_6	CHANNEL	0.000	0 01:15	0.00	0.00	0.01
C4_7	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C5	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C5_1	CHANNEL	0.028	0 01:15	0.23	0.01	0.07
C5_10	CHANNEL	0.040	0 01:16	0.39	0.01	0.16
C5_11	CHANNEL	0.034	0 01:23	0.18	0.01	0.16
C5_12	CHANNEL	0.177	0 01:40	0.74	0.01	0.13
C5_13	CHANNEL	0.040	0 01:19	0.61	0.01	0.15
C5_14	CHANNEL	0.031	0 01:26	0.21	0.02	0.20
C5_15	CHANNEL	0.042	0 01:20	0.36	0.01	0.15
C5_16	CHANNEL	0.036	0 01:37	0.27	0.01	0.10
C5_17	CHANNEL	0.035	0 01:40	0.18	0.00	0.09
C5_18	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C5_19	CHANNEL	0.037	0 01:29	0.26	0.02	0.14
C5_2	CHANNEL	0.023	0 01:21	0.47	0.00	0.09
C5_20	CHANNEL	0.037	0 01:46	0.16	0.00	0.10
C5_21	CHANNEL	0.000	0 00:00	0.00	0.00	0.14
C5_23	CHANNEL	0.030	0 01:08	0.21	0.01	0.07
C5_24	CHANNEL	0.000	0 00:00	0.00	0.00	0.00
C5_25	CHANNEL	0.000	0 00:00	0.00	0.00	0.01
C5_3	CHANNEL	0.029	0 01:11	0.57	0.00	0.10
C5_4	CHANNEL	0.022	0 01:24	0.34	0.00	0.06
C5_5	CHANNEL	0.022	0 01:26	0.67	0.00	0.06
C5_6	CHANNEL	0.023	0 01:23	0.46	0.00	0.05
C5_7	CHANNEL	0.056	0 01:37	0.28	0.00	0.12
C5_8	CHANNEL	0.016	0 01:34	0.11	0.00	0.10
C5_9	CHANNEL	0.127	0 01:32	0.47	0.01	0.15
C6	CONDUIT	0.000	0 00:00	0.00	0.00	0.00
C7	CONDUIT	0.000	0 01:01	0.00	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM) CONDUIT	0.144	0	01:15	0.96	0.38	0.45
C-STRM-1_(1)_(C-STRM) CONDUIT	0.145	0	01:15	0.85	0.45	0.48
C-STRM-1_(C-STRM) CONDUIT	0.146	0	01:15	0.96	0.61	0.53
C-STRM-100_(C-STRM) CONDUIT	0.238	0	01:11	1.38	0.55	0.59
C-STRM-101_(C-STRM) CONDUIT	0.238	0	01:11	1.58	0.55	0.53
C-STRM-102_(C-STRM) CONDUIT	1.095	0	01:14	4.44	0.57	0.51
C-STRM-105_(C-STRM) CONDUIT	0.296	0	01:16	1.12	0.42	0.45
C-STRM-106_(C-STRM) CONDUIT	0.117	0	01:16	0.90	0.27	0.34
C-STRM-107_(1)_(C-STRM) CONDUIT	1.402	0	01:19	1.33	0.40	0.50
C-STRM-107_(C-STRM) CONDUIT	1.346	0	01:19	1.18	0.38	0.53
C-STRM-2_(1)_(C-STRM) CONDUIT	0.210	0	01:15	1.28	0.37	0.47
C-STRM-2_(C-STRM) CONDUIT	0.211	0	01:15	1.30	0.37	0.46
C-STRM-20_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.02
C-STRM-21_(C-STRM) CONDUIT	0.020	0	01:16	0.78	0.07	0.18
C-STRM-22_(1)_(C-STRM) CONDUIT	1.154	0	01:16	1.80	0.42	0.39
C-STRM-22_(C-STRM) CONDUIT	1.161	0	01:16	1.59	0.42	0.43
C-STRM-23_(C-STRM) CONDUIT	0.129	0	01:18	0.93	0.23	0.31
C-STRM-26_(1)_(C-STRM) CONDUIT	0.101	0	01:14	0.75	0.30	0.52
C-STRM-26_(C-STRM) CONDUIT	0.082	0	01:15	0.70	0.24	0.42
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.293	0	01:15	1.41	0.37	0.48
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM) CONDUIT	0.226	0	01:17	1.43	0.38	0.45
C-STRM-3_(1)_(1)_(1)_(C-STRM) CONDUIT	0.226	0	01:16	1.31	0.38	0.49
C-STRM-3_(1)_(1)_(C-STRM) CONDUIT	0.227	0	01:16	1.30	0.38	0.49
C-STRM-3_(1)_(2)_(C-STRM) CONDUIT	0.227	0	01:15	1.38	0.40	0.47
C-STRM-3_(1)_(C-STRM) CONDUIT	0.227	0	01:15	1.46	0.40	0.45
C-STRM-33_(1)_(C-STRM) CONDUIT	0.295	0	01:15	0.96	0.42	0.49
C-STRM-33_(C-STRM) CONDUIT	0.278	0	01:15	0.96	0.40	0.47
C-STRM-34_(1)_(1)_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.02
C-STRM-34_(1)_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C-STRM-35_(1)_(C-STRM) CONDUIT	0.062	0	01:13	0.84	0.25	0.33
C-STRM-35_(C-STRM) CONDUIT	0.007	0	01:17	0.18	0.03	0.25
C-STRM-4_(1)_(C-STRM) CONDUIT	0.334	0	01:16	1.72	0.39	0.45
C-STRM-4_(C-STRM) CONDUIT	0.316	0	01:15	1.51	0.40	0.48
C-STRM-46_(1)_(1)_(C-STRM) CONDUIT	1.354	0	01:18	1.21	0.38	0.52
C-STRM-46_(1)_(C-STRM) CONDUIT	1.384	0	01:17	1.27	0.39	0.52
C-STRM-49_(C-STRM) CONDUIT	0.146	0	01:16	0.68	0.26	0.43
C-STRM-50_(C-STRM) CONDUIT	0.182	0	01:17	0.80	0.33	0.45
C-STRM-51_(C-STRM) CONDUIT	0.263	0	01:16	0.87	0.37	0.50
C-STRM-52_(C-STRM) CONDUIT	0.306	0	01:17	0.75	0.35	0.58
C-STRM-53_(C-STRM) CONDUIT	0.389	0	01:16	0.90	0.45	0.65
C-STRM-57_(C-STRM) CONDUIT	0.357	0	01:15	0.82	0.41	0.70
C-STRM-60_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C-STRM-62_(C-STRM) CONDUIT	0.039	0	01:15	0.79	0.30	0.35
C-STRM-63_(C-STRM) CONDUIT	0.039	0	01:16	0.47	0.23	0.46
C-STRM-64_(C-STRM) CONDUIT	0.028	0	01:15	0.74	0.32	0.37
C-STRM-76_(C-STRM) CONDUIT	0.468	0	01:16	1.06	0.47	0.75
C-STRM-77_(C-STRM) CONDUIT	1.024	0	01:14	1.92	0.53	0.89
C-STRM-78_(C-STRM) CONDUIT	0.537	0	01:14	1.05	0.44	0.76
C-STRM-79_(1)_(C-STRM) CONDUIT	1.550	0	01:19	1.25	0.43	0.49
C-STRM-79_(C-STRM) CONDUIT	0.194	0	01:16	1.12	0.28	0.32
C-STRM-8_T1_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.14
C-STRM-8_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.00
C-STRM-80_(C-STRM) CONDUIT	1.535	0	01:20	1.30	0.42	0.47
C-STRM-81_(C-STRM) CONDUIT	1.532	0	01:20	1.51	0.42	0.42
C-STRM-82_(C-STRM) CONDUIT	1.533	0	01:21	1.95	0.42	0.35
C-STRM-83_(1)_(C-STRM) CONDUIT	1.145	0	01:15	1.50	0.42	0.45
C-STRM-84_(C-STRM) CONDUIT	1.362	0	01:17	1.21	0.39	0.53
C-STRM-87_(C-STRM) CONDUIT	0.000	0	00:00	0.00	0.00	0.00
CVR-C2 CONDUIT	0.022	0	01:24	1.24	0.08	0.18
CVR-C3 CONDUIT	0.057	0	01:34	1.81	0.35	0.32
CVR-C4 CONDUIT	0.127	0	01:32	1.56	0.04	0.12
ST4-Pipe_-_(99)_(P-Stm) CONDUIT	0.200	0	02:33	1.12	0.21	0.32
W1	CHANNEL	0.000	0	00:00	0.00	0.00	0.00
OR1	ORIFICE	0.200	0	02:33			1.00
OR2	ORIFICE	0.000	0	00:00			0.00
W10	WEIR	0.000	0	00:00			0.00
W11	WEIR	0.000	0	00:00			0.00
W12	WEIR	0.000	0	00:00			0.00
W13	WEIR	0.000	0	00:00			0.00
W14	WEIR	0.000	0	00:00			0.00
W15	WEIR	0.000	0	00:00			0.00
W16	WEIR	0.000	0	00:00			0.00
W17	WEIR	0.000	0	00:00			0.00
W2	WEIR	0.000	0	00:00			0.00
W3	WEIR	0.000	0	00:00			0.00
W4	WEIR	0.000	0	00:00			0.00
W5	WEIR	0.000	0	00:00			0.00
W6	WEIR	0.000	0	00:00			0.00
W7	WEIR	0.000	0	00:00			0.00
W8	WEIR	0.000	0	00:00			0.00
W9	WEIR	0.000	0	00:00			0.00
C-STRM-108_(1)_(C-STRM) DUMMY	0.023	0	01:19			
C-STRM-14_(1)_(C-STRM) DUMMY	0.200	0	01:15			
C-STRM-27_(C-STRM) DUMMY	0.070	0	01:15			
C-STRM-42_(C-STRM) DUMMY	0.149	0	01:15			
C-STRM-44_(1)_(C-STRM) DUMMY	0.062	0	01:15			
C-STRM-45_(1)_(C-STRM) DUMMY	0.061	0	01:15			
C-STRM-61_(C-STRM) DUMMY	0.119	0	01:15			
C-STRM-71_(C-STRM) DUMMY	0.275	0	01:15			
C-STRM-83_(C-STRM) DUMMY	0.856	0	01:15			
C-STRM-93_(C-STRM) DUMMY	0.040	0	01:15			
C-STRM-96_(1)_(C-STRM) DUMMY	0.084	0	01:15			
C-STRM-97_(1)_(C-STRM) DUMMY	0.038	0	01:15			
C-STRM-98_(1)_(C-STRM) DUMMY	0.075	0	01:15			
OL1	DUMMY	0.039	0	01:15			
OL10	DUMMY	0.026	0	00:52			
OL11	DUMMY	0.027	0	01:15			
OL12	DUMMY	0.076	0	01:15			
OL13	DUMMY	0.018	0	01:14			
OL14	DUMMY	0.068	0	01:15			
OL15	DUMMY	0.108	0	01:15			
OL16	DUMMY	0.028	0	01:15			
OL17	DUMMY	0.039	0	01:15			
OL18	DUMMY	0.006	0	01:07			
OL19	DUMMY	0.024	0	01:15			
OL2	DUMMY	0.062	0	01:15			
OL20	DUMMY	0.006	0	01:15			
OL21	DUMMY	0.000	0	00:00			
OL22	DUMMY	0.009	0	01:15			
OL3	DUMMY	0.015	0	01:13			
OL4	DUMMY	0.029	0	01:15			
OL5	DUMMY	0.027	0	01:15			
OL6	DUMMY	0.000	0	00:00			
OL7	DUMMY	0.022	0	01:15			
OL8	DUMMY	0.080	0	01:15			
OL9	DUMMY	0.020	0	01:15			

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Flow Classification Summary
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	Adjusted	Fraction of Time in Flow Class					

Conduit	/Actual Length	Dry	Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl
BDR-C1	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.82	0.00
BDR-C2	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.58	0.00
BDR-C3	1.00	0.03	0.00	0.00	0.71	0.26	0.00	0.00	0.00	0.00
BDR-C4	1.00	0.03	0.00	0.00	0.77	0.20	0.00	0.00	0.91	0.00
C1	1.00	0.81	0.03	0.00	0.16	0.00	0.00	0.00	0.95	0.00
C1_1	1.00	0.79	0.03	0.00	0.18	0.00	0.00	0.00	0.95	0.00
C1_11	1.00	0.83	0.01	0.00	0.13	0.03	0.00	0.00	0.01	0.00
C1_2	1.00	0.82	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_3	1.00	0.82	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_4	1.00	0.03	0.82	0.00	0.13	0.02	0.00	0.00	0.00	0.00
C1_5	1.00	0.81	0.01	0.00	0.16	0.02	0.00	0.00	0.02	0.00
C1_6	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
C1_7	1.00	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C1_8	1.00	0.83	0.02	0.00	0.14	0.02	0.00	0.00	0.96	0.00
C1_9	1.00	0.83	0.01	0.00	0.13	0.03	0.00	0.00	0.01	0.00
C2	1.00	0.84	0.00	0.00	0.00	0.00	0.00	0.16	0.00	0.00
C2_1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_10	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
C2_11	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_12	1.00	0.03	0.81	0.00	0.14	0.01	0.00	0.00	0.00	0.00
C2_13	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C2_14	1.00	0.03	0.82	0.00	0.13	0.02	0.00	0.00	0.00	0.00
C2_15	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C2_16	1.00	0.84	0.01	0.00	0.13	0.02	0.00	0.00	0.95	0.00
C2_18	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_2	1.00	0.03	0.81	0.00	0.13	0.02	0.00	0.00	0.94	0.00
C2_3	1.00	0.84	0.16	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_4	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
C2_5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_7	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C2_8	1.00	0.03	0.82	0.00	0.13	0.02	0.00	0.00	0.94	0.00
C2_9	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_2	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C3_6	1.00	0.83	0.02	0.00	0.15	0.00	0.00	0.00	0.95	0.00
C3_7	1.00	0.83	0.01	0.00	0.16	0.00	0.00	0.00	0.95	0.00
C4	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C4_6	1.00	0.80	0.04	0.00	0.14	0.01	0.00	0.00	0.00	0.00
C4_7	1.00	0.82	0.18	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_1	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.85	0.00
C5_10	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.95	0.00
C5_11	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C5_12	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.00	0.00
C5_13	1.00	0.03	0.00	0.00	0.28	0.68	0.00	0.00	0.00	0.00
C5_14	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.66	0.00
C5_15	1.00	0.03	0.00	0.00	0.96	0.01	0.00	0.00	0.94	0.00
C5_16	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.00	0.00
C5_17	1.00	0.03	0.02	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C5_18	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_19	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.66	0.00
C5_2	1.00	0.04	0.00	0.00	0.64	0.32	0.00	0.00	0.00	0.00
C5_20	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C5_21	1.00	0.03	0.97	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_23	1.00	0.03	0.00	0.00	0.76	0.20	0.00	0.00	0.57	0.00
C5_24	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_25	1.00	0.85	0.15	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C5_3	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.00	0.95	0.00
C5_4	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C5_5	1.00	0.05	0.00	0.00	0.94	0.01	0.00	0.00	0.00	0.00
C5_6	1.00	0.05	0.00	0.00	0.95	0.00	0.00	0.00	0.88	0.00
C5_7	1.00	0.03	0.01	0.00	0.96	0.00	0.00	0.00	0.96	0.00
C5_8	1.00	0.03	0.02	0.00	0.95	0.00	0.00	0.00	0.95	0.00
C5_9	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.97	0.00
C6	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C7	1.00	0.82	0.00	0.00	0.00	0.00	0.00	0.18	0.00	0.00
C-STRM-1_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.11	0.00
C-STRM-1_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.01	0.40	0.00
C-STRM-1_(C-STRM)	1.00	0.03	0.00	0.00	0.01	0.00	0.00	0.96	0.00	0.00
C-STRM-100_(C-STRM)	1.00	0.04	0.95	0.00	0.00	0.00	0.00	0.00	0.95	0.00
C-STRM-101_(C-STRM)	1.00	0.05	0.00	0.00	0.00	0.00	0.00	0.95	0.00	0.00
C-STRM-102_(C-STRM)	1.00	0.03	0.00	0.00	0.95	0.02	0.00	0.00	0.07	0.00
C-STRM-105_(C-STRM)	1.00	0.03	0.00	0.00	0.01	0.00	0.00	0.96	0.00	0.00
C-STRM-106_(C-STRM)	1.00	0.04	0.00	0.00	0.02	0.00	0.00	0.94	0.00	0.00
C-STRM-107_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.03	0.00	0.00	0.94	0.00	0.00
C-STRM-107_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.47	0.00
C-STRM-2_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.64	0.00
C-STRM-2_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.69	0.00
C-STRM-20_(C-STRM)	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-21_(C-STRM)	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-22_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-22_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.91	0.00
C-STRM-23_(C-STRM)	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-26_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.01	0.00	0.00	0.95	0.00	0.00
C-STRM-26_(C-STRM)	1.00	0.03	0.17	0.00	0.79	0.00	0.00	0.00	0.94	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.77	0.00
C-STRM-3_(1)_(1)_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-3_(1)_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.95	0.00	0.00	0.01	0.82	0.00
C-STRM-3_(1)_(1)_(C-STRM)	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.01	0.70	0.00
C-STRM-3_(1)_(2)_(C-STRM)	1.00	0.04	0.00	0.00	0.96	0.00	0.00	0.01	0.10	0.00
C-STRM-3_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.95	0.00	0.00	0.01	0.75	0.00
C-STRM-33_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.93	0.00
C-STRM-33_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.75	0.00
C-STRM-34_(1)_(1)_(C-STRM)	1.00	0.99	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-34_(1)_(C-STRM)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-35_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.01	0.00	0.00	0.96	0.00	0.00
C-STRM-35_(C-STRM)	1.00	0.03	0.83	0.00	0.14	0.00	0.00	0.00	0.95	0.00
C-STRM-4_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-4_(C-STRM)	1.00	0.03	0.00	0.00	0.94	0.02	0.00	0.01	0.82	0.00
C-STRM-45_(1)_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.87	0.00
C-STRM-46_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.72	0.00
C-STRM-49_(C-STRM)	1.00	0.03	0.34	0.00	0.62	0.00	0.00	0.00	0.90	0.00
C-STRM-50_(C-STRM)	1.00	0.03	0.00	0.00	0.03	0.00	0.00	0.94	0.00	0.00
C-STRM-51_(C-STRM)	1.00	0.03	0.00	0.00	0.02	0.00	0.00	0.95	0.00	0.00
C-STRM-52_(C-STRM)	1.00	0.03	0.00	0.00	0.96	0.00	0.00	0.00	0.75	0.00
C-STRM-53_(C-STRM)	1.00	0.03	0.15	0.00	0.82	0.00	0.00	0.00	0.87	0.00
C-STRM-57_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.65	0.00
C-STRM-60_(C-STRM)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-62_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-63_(C-STRM)	1.00	0.03	0.00	0.00	0.05	0.00	0.00	0.92	0.02	0.00
C-STRM-64_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-76_(C-STRM)	1.00	0.03	0.00	0.00	0.36	0.00	0.00	0.61	0.18	0.00
C-STRM-77_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.51	0.00
C-STRM-78_(C-STRM)	1.00	0.03	0.00	0.00	0.36	0.00	0.00	0.61	0.17	0.00
C-STRM-79_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.68	0.00
C-STRM-79_(C-STRM)	1.00	0.04	0.00	0.00	0.00	0.00	0.00	0.96	0.00	0.00
C-STRM-8_(1)_(C-STRM)	1.00	0.98	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-8_(C-STRM)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
C-STRM-80_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.83	0.00
C-STRM-81_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.69	0.00
C-STRM-82_(C-STRM)	1.00	0.03	0.00	0.00	0.00	0.00	0.00	0.97	0.00	0.00
C-STRM-83_(1)_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.39	0.00
C-STRM-84_(C-STRM)	1.00	0.03	0.00	0.00	0.97	0.00	0.00	0.00	0.69	0.00
C-STRM-87_(C-STRM)	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
CVR-C2	1.00	0.05	0.00	0.00	0.82	0.13	0.00	0.00	0.88	0.00
CVR-C3	1.00	0.03	0.00	0.00	0.23	0.74	0.00	0.00	0.05	0.00
CVR-C4	1.00	0.03	0.00	0.00	0.59	0.38	0.00	0.00	0.04	0.00
ST4-Pipe_-_(99)_(P-Stm)	1.00	0.03	0.00	0.00	0.16	0.00	0.00	0.81	0.00	0.00
W1	1.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Thu Jun 25 12:29:48 2026
Analysis ended on: Thu Jun 25 12:29:54 2026
Total elapsed time: 00:00:06

Post-Development Continuous Simulation

```
  EPA STORM WATER MANAGEMENT MODEL - VERSION 5.2 (Build 5.2.4)
  ------------------------------------------------------------


  *************
  Element Count
  *************
  Number of rain gages ...... 2
  Number of subcatchments ... 42
  Number of nodes ........... 4
  Number of links ........... 1
  Number of pollutants ...... 0
  Number of land uses ....... 0


  ****************
  Raingage Summary
  ****************
  Name                 Data Source                    Data       Recording
                                                      Type       Interval
  ----------------------------------------------------------------------
  CDA_RCS_262_2014-2024 CDA_RCS_262_2014-2024          INTENSITY   60 min.
  OTTRAIN              OTTRAIN_C                       VOLUME      60 min.


  *********************
  Subcatchment Summary
  *********************
  Name                       Area     Width   %Imperv    %Slope Rain Gage           Outlet
  ------------------------------------------------------------------------------------------
  A11a_Jock_1                0.48    108.68      3.33    3.2000 CDA_RCS_262_2014-2024
Mud_Creek
  A11a_Jock_2                0.63    140.90     71.43    3.2000 CDA_RCS_262_2014-2024
Mud_Creek
  A11a_Jock_3                0.01      1.35     85.71    3.2000 CDA_RCS_262_2014-2024
Mud_Creek
  A11a_Jock_5                5.47   1231.35     85.71    3.2000 CDA_RCS_262_2014-2024
Mud_Creek
  A11a_Jock_EES_1            2.35    527.72     85.71    3.2000 CDA_RCS_262_2014-2024 EES
  A11a_Jock_EES_2            0.00      0.58     85.71    3.2000 CDA_RCS_262_2014-2024 EES
  A11b_Jock_1                2.17    489.06      3.33    3.9520 CDA_RCS_262_2014-2024
Mud_Creek
  A11b_Jock_2                0.01      2.86      3.33    3.9520 CDA_RCS_262_2014-2024
Mud_Creek
  A11b_Jock_5                1.58    354.91     85.71    3.9520 CDA_RCS_262_2014-2024
Mud_Creek
  A11b_Jock_EES_1            0.68    152.11     85.71    3.9520 CDA_RCS_262_2014-2024 EES
  A11b_Mud_1                 1.49    336.29      3.33    2.7900 CDA_RCS_262_2014-2024
Mud_Creek
  A11b_Mud_2                 0.00      0.38     64.29    2.7900 CDA_RCS_262_2014-2024
Mud_Creek
  A11b_Mud_3                 0.01      2.00     64.29    2.7900 CDA_RCS_262_2014-2024
Mud_Creek
  A11b_Mud_5                 2.06    463.43     85.71    2.7900 CDA_RCS_262_2014-2024
Mud_Creek
  A11b_Mud_EES_1             0.88    198.61     85.71    2.7900 CDA_RCS_262_2014-2024 EES
  A12b_Jock_2                7.27   1635.81     39.05    3.5780 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Jock_3                2.98    671.62     85.71    3.5780 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Jock_4                1.50    338.04      3.33    3.5780 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Jock_5                0.01      2.92     71.43    3.5780 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Jock_7                0.02      4.74     85.71    3.5780 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Jock_EES_1            1.28    287.84     85.71    3.5780 CDA_RCS_262_2014-2024 EES
  A12b_Jock_EES_2            2.13    479.64     66.38    3.5780 CDA_RCS_262_2014-2024 EES
  A12b_Jock_EES_3           11.16   2510.69     65.39    3.5780 CDA_RCS_262_2014-2024 EES
  A12b_Jock_EES_4            0.01      2.03     85.71    3.5780 CDA_RCS_262_2014-2024 EES
  A12b_Mud_1                 0.13     29.59     85.71    1.7890 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Mud_2                 6.90   1551.73     61.28    1.7890 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Mud_4                 0.00      0.13     85.71    1.7890 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Mud_5                 0.03      7.06     85.71    1.7890 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Mud_EES               0.00      0.02     85.71    1.7890 CDA_RCS_262_2014-2024 EES
  A12b_Mud_EES_1             0.01      3.02     85.71    1.7890 CDA_RCS_262_2014-2024 EES
  A12b_Mud_EES_2             0.24     53.30     68.69    1.7890 CDA_RCS_262_2014-2024 EES
  A12b_Mud_EES_3             0.06     12.68     85.71    1.7890 CDA_RCS_262_2014-2024 EES
  A12b_Rideau_Z             11.95   2689.79     68.00    2.3480 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Rideau_3              0.80    179.55     71.43    2.3480 CDA_RCS_262_2014-2024
Mud_Creek
  A12b_Rideau_EES_1          0.05     11.84     66.87    2.3480 CDA_RCS_262_2014-2024 EES
  A12b_Rideau_EES_2          2.70    608.56     66.38    2.3480 CDA_RCS_262_2014-2024 EES
  A12b_Rideau_EES_4          1.24    279.34     64.29    2.3480 CDA_RCS_262_2014-2024 EES
  A13_Jock_1                 0.69    155.86     71.43    4.5780 CDA_RCS_262_2014-2024
Jock_River
  A13_Jock_2                 0.14     31.03     57.14    4.5780 CDA_RCS_262_2014-2024
Jock_River
  A13_Jock_EES_1             0.89    201.00     66.38    4.5780 CDA_RCS_262_2014-2024 EES
  A13_Rideau_1               0.20     43.88     57.14    4.0450 CDA_RCS_262_2014-2024
Jock_River
  A13_Rideau_EES_2           0.79    178.58     66.38    4.0450 CDA_RCS_262_2014-2024 EES


  *************
  Node Summary
  *************
                                          Invert      Max.    Ponded    External
  Name                 Type                Elev.     Depth      Area    Inflow
  ------------------------------------------------------------------------------
  Jock_River           OUTFALL             95.00      0.00       0.0
  Mud_Creek            OUTFALL             95.00      0.00       0.0
  Rideau_River         OUTFALL             95.00      0.00       0.0
  EES                  STORAGE            103.70      0.80       0.0


  *************
  Link Summary
  *************
  Name            From Node        To Node          Type            Length    %Slope
Roughness
  ---------------------------------------------------------------------------------------
-
  Major           EES              Jock_River       WEIR


  **********************
  Cross Section Summary
  **********************
                                     Full     Full     Hyd.     Max.   No. of     Full
  Conduit          Shape             Depth     Area     Rad.    Width  Barrels     Flow
  ---------------------------------------------------------------------------------------


  ****************
  Analysis Options
  ****************
  Flow Units ............... CMS
  Process Models:
    Rainfall/Runoff ........ YES
    RDII ................... NO
    Snowmelt ............... YES
    Groundwater ............ YES
    Flow Routing ........... YES
    Ponding Allowed ........ NO
    Water Quality .......... NO
  Infiltration Method ...... HORTON
  Flow Routing Method ...... DYNWAVE
  Surcharge Method ......... EXTRAN
  Starting Date ............ 04/19/2004 00:00:00
  Ending Date .............. 04/10/2024 04:00:00
  Antecedent Dry Days ...... 0.0
  Report Time Step ......... 01:00:00
  Wet Time Step ............ 00:05:00
  Dry Time Step ............ 00:05:00
  Routing Time Step ........ 60.00 sec
  Variable Time Step ....... YES
  Maximum Trials ........... 8
  Number of Threads ........ 1
  Head Tolerance ........... 0.001500 m


  ***************************        Volume          Depth
  Runoff Quantity Continuity     hectare-m            mm
  ***************************    ----------      --------
  Initial Snow Cover .......         0.000           0.000
  Total Precipitation ......      1226.568       17269.800
  Evaporation Loss .........       113.943        1604.287
  Infiltration Loss ........       413.595        5823.326
  Surface Runoff ...........       701.189        9872.587
  Snow Removed .............         0.000           0.000
  Final Snow Cover .........         0.000           0.000
  Final Storage ............         0.070           0.990
  Continuity Error (%) .....        -0.182


  ***************************        Volume          Depth
  Groundwater Continuity         hectare-m            mm
  ***************************    ----------      --------
  Initial Storage ..........       202.947        2857.448
  Infiltration .............       413.595        5823.326
  Upper Zone ET ............       239.265        3368.791
  Lower Zone ET ............         2.394          33.709
  Deep Percolation .........        22.462         316.265
  Groundwater Flow .........       144.133        2029.362
  Final Storage ............       208.288        2932.646
  Continuity Error (%) .....         0.000


  ***************************        Volume        Volume
  Flow Routing Continuity        hectare-m       10^6 ltr
  ***************************    ----------      ---------
  Dry Weather Inflow .......         0.000           0.000
  Wet Weather Inflow .......       701.189        7011.965
  Groundwater Inflow .......       144.088        1440.892
  RDII Inflow ..............         0.000           0.000
  External Inflow ..........         0.000           0.000
  External Outflow .........       597.499        5975.049
  Flooding Loss ............         0.000           0.000
  Evaporation Loss .........         0.000           0.000
  Exfiltration Loss ........       247.953        2479.556
  Initial Stored Volume ....         0.000           0.000
  Final Stored Volume ......         0.000           0.000
  Continuity Error (%) .....        -0.021


  ****************************
  Time-Step Critical Elements
  ****************************
  None


  *********************************
  Highest Flow Instability Indexes
  *********************************
  All links are stable.


  *********************************
  Most Frequent Nonconverging Nodes
  *********************************
  Convergence obtained at all time steps.


  *************************
  Routing Time Step Summary
  *************************
  Minimum Time Step           :    58.50 sec
  Average Time Step           :    60.00 sec
  Maximum Time Step           :    60.00 sec
  % of Time in Steady State   :     0.00
  Average Iterations per Step :     2.00
  % of Steps Not Converging   :     0.00
  Time Step Frequencies       :
     60.000 - 23.031 sec      :   100.00 %
     23.031 -  8.841 sec      :     0.00 %
      8.841 -  3.393 sec      :     0.00 %
      3.393 -  1.303 sec      :     0.00 %
      1.303 -  0.500 sec      :     0.00 %


  ***************************
  Subcatchment Runoff Summary
  ***************************

  ---------------------------------------------------------------------------------------------------------------------------------
                                                Total      Total      Total      Total     Imperv      Perv     Total      Total
                                    Peak  Runoff
                                   Precip      Runon       Evap      Infil     Runoff     Runoff    Runoff     Runoff
  Subcatchment                         mm         mm         mm         mm         mm         mm        mm    10^6 ltr       CMS
  ---------------------------------------------------------------------------------------------------------------------------------
  A11a_Jock_1                   17269.80       0.00      95.10   15382.91     496.19    1301.35   1797.55       8.68      0.05
  A11a_Jock_2                   17269.80       0.00    1812.85    4534.49   10559.31     397.08  10956.39      68.61      0.08
  A11a_Jock_3                   17269.80       0.00    2178.20    2265.32   12662.36     200.78  12863.14       0.77      0.00
  A11a_Jock_5                   17269.80       0.00    2178.22    2265.32   12662.35     200.78  12863.12     703.95      0.72
  A11a_Jock_EES_1               17269.80       0.00    2178.22    2265.32   12662.35     200.78  12863.12     301.69      0.31
  A11a_Jock_EES_2               17269.80       0.00    2178.19    2265.31   12662.39     200.78  12863.17       0.33      0.00
  A11b_Jock_1                   17269.80       0.00     104.55   15208.11     496.33    1467.65   1963.97      42.69      0.23
  A11b_Jock_2                   17269.80       0.00     104.55   15208.10     496.37    1467.66   1964.03       0.25      0.00
  A11b_Jock_5                   17269.80       0.00    2176.41    2236.66   12667.44     228.41  12895.85     203.42      0.21
  A11b_Jock_EES_1               17269.80       0.00    2176.41    2236.66   12667.44     228.41  12895.85      87.18      0.09
  A11b_Mud_1                    17269.80       0.00     134.19   14777.15     496.15    1870.73   2366.87      35.38      0.17
  A11b_Mud_2                    17269.80       0.00    1645.97    5428.84    9504.69     722.92  10227.62       0.17      0.00
  A11b_Mud_3                    17269.80       0.00    1645.99    5428.86    9504.66     722.90  10227.55       0.91      0.00
  A11b_Mud_5                    17269.80       0.00    2185.81    2164.48   12658.96     296.90  12955.86     266.85      0.27
  A11b_Mud_EES_1                17269.80       0.00    2185.81    2164.48   12658.96     296.90  12955.86     114.36      0.12
  A12b_Jock_2                   17269.80       0.00     989.12    9704.78    5786.09     815.22   6601.31     479.93      0.83
  A12b_Jock_3                   17269.80       0.00    2176.33    2269.99   12665.06     196.27  12861.33     383.91      0.39
  A12b_Jock_4                   17269.80       0.00      93.62   15409.96     496.23    1275.65   1771.88      26.62      0.15
  A12b_Jock_5                   17269.80       0.00    1811.17    4543.51   10561.56     388.45  10950.00       1.42      0.00
  A12b_Jock_7                   17269.80       0.00    2176.33    2269.99   12665.07     196.27  12861.34       2.71      0.00
```

A12b_Jock_EES_1	17269.80	0.00	2176.33	2269.99	12665.06	196.27	12861.33
164.53	0.17	0.745					
A12b_Jock_EES_2	17269.80	0.00	1682.45	5347.68	9817.51	455.72	10273.24
219.00	0.27	0.595					
A12b_Jock_EES_3	17269.80	0.00	1657.19	5505.72	9671.31	468.91	10140.22
1131.50	1.39	0.587					
A12b_Jock_EES_4	17269.80	0.00	2176.33	2269.99	12665.07	196.27	12861.34
1.16	0.00	0.745					
A12b_Mud_1	17269.80	0.00	2190.15	2217.00	12647.54	247.14	12894.68
16.96	0.02	0.747					
A12b_Mud_2	17269.80	0.00	1566.07	6025.65	9054.62	651.52	9706.14
669.39	0.87	0.562					
A12b_Mud_4	17269.80	0.00	2190.10	2217.31	12647.24	247.18	12894.42
0.07	0.00	0.747					
A12b_Mud_5	17269.80	0.00	2190.15	2217.00	12647.53	247.14	12894.68
4.04	0.00	0.747					
A12b_Mud_EES	17269.80	0.00	2189.17	2217.98	12647.67	247.38	12895.05
0.01	0.00	0.747					
A12b_Mud_EES_1	17269.80	0.00	2190.15	2217.00	12647.53	247.14	12894.68
1.73	0.00	0.747					
A12b_Mud_EES_2	17269.80	0.00	1754.83	4868.58	10145.27	530.50	10675.78
25.29	0.03	0.618					
A12b_Mud_EES_3	17269.80	0.00	2190.15	2217.00	12647.53	247.14	12894.68
7.27	0.01	0.747					
A12b_Rideau_2	17269.80	0.00	1731.60	5015.12	10047.71	506.46	10554.16
1261.71	1.52	0.611					
A12b_Rideau_3	17269.80	0.00	1819.17	4475.77	10553.18	453.44	11006.62
87.83	0.10	0.637					
A12b_Rideau_EES_1	17269.80	0.00	1702.83	5192.49	9881.50	523.84	10405.34
5.47	0.01	0.603					
A12b_Rideau_EES_2	17269.80	0.00	1690.44	5268.85	9809.94	531.32	10341.26
279.70	0.34	0.599					
A12b_Rideau_EES_4	17269.80	0.00	1637.12	5597.91	9501.62	563.47	10065.10
124.96	0.16	0.583					
A13_Jock_1	17269.80	0.00	1811.30	4473.59	10566.12	456.02	11022.15
76.35	0.09	0.638					
A13_Jock_2	17269.80	0.00	1449.79	6716.41	8459.37	677.68	9137.05
12.60	0.02	0.529					
A13_Jock_EES_1	17269.80	0.00	1683.37	5265.91	9821.82	534.71	10356.53
92.52	0.11	0.600					
A13_Rideau_1	17269.80	0.00	1450.71	6717.41	8457.57	676.61	9134.17
17.81	0.02	0.529					
A13_Rideau_EES_2	17269.80	0.00	1684.53	5266.62	9819.64	533.96	10353.60
82.18	0.10	0.600					

****
Groundwater Summary
****

Subcatchment	Total Infil mm	Total Evap mm	Total Lower Seepage mm	Total Lateral Outflow mm	Maximum Lateral Outflow CMS	Average Upper Moist.	Average Water Table m	Final Upper Moist.
A11a_Jock_1	15382.91	9819.13	257.04	4963.85	0.00	0.26	98.50	0.28
A11a_Jock_2	4534.49	2485.87	257.03	1627.74	0.00	0.24	98.50	0.25
A11a_Jock_3	2265.32	1241.99	257.03	716.18	0.00	0.22	98.50	0.23
A11a_Jock_5	2265.32	1241.99	257.03	716.18	0.00	0.22	98.50	0.23
A11a_Jock_EES_1	2265.32	1241.99	257.03	716.18	0.00	0.22	98.50	0.23
A11a_Jock_EES_2	2265.31	1241.99	257.03	716.18	0.00	0.22	98.50	0.23
A11b_Jock_1	15208.11	9817.97	367.55	4814.67	0.00	0.25	99.00	0.28
A11b_Jock_2	15208.10	9817.97	367.55	4814.66	0.00	0.25	99.00	0.28
A11b_Jock_5	2236.66	1242.40	367.54	595.77	0.00	0.22	99.00	0.23
A11b_Jock_EES_1	2236.66	1242.40	367.54	595.77	0.00	0.22	99.00	0.23
A11b_Mud_1	14777.15	11007.92	484.82	3255.85	0.00	0.30	98.32	0.34
A11b_Mud_2	5428.84	3541.89	506.27	1382.07	0.00	0.31	98.46	0.32
A11b_Mud_3	5428.86	3541.88	506.27	1382.11	0.00	0.31	98.46	0.32
A11b_Mud_5	2164.48	1412.06	502.18	276.16	0.00	0.29	98.44	0.30
A11b_Mud_EES_1	2164.48	1412.06	502.18	276.16	0.00	0.29	98.44	0.30
A12b_Jock_2	9704.78	5708.09	259.23	3630.64	0.00	0.26	99.00	0.27
A12b_Jock_3	2269.99	1242.21	259.23	874.36	0.00	0.23	99.00	0.23
A12b_Jock_4	15409.96	9819.28	259.24	5162.86	0.00	0.26	99.00	0.27
A12b_Jock_5	4543.51	2486.29	259.23	1797.31	0.00	0.24	99.00	0.25
A12b_Jock_7	2269.99	1242.21	259.23	874.36	0.00	0.23	99.00	0.23
A12b_Jock_EES_1	2269.99	1242.21	259.23	874.36	0.00	0.23	99.00	0.23
A12b_Jock_EES_2	5347.68	2926.58	259.23	2136.56	0.00	0.25	99.00	0.25
A12b_Jock_EES_3	5505.72	3013.12	259.23	2203.70	0.00	0.25	99.00	0.25
A12b_Jock_EES_4	2269.99	1242.21	259.23	874.36	0.00	0.23	99.00	0.23
A12b_Mud_1	2217.00	1240.71	356.20	598.90	0.00	0.22	97.50	0.23
A12b_Mud_2	6025.65	3368.12	356.21	2217.44	0.00	0.24	97.50	0.25
A12b_Mud_4	2217.31	1240.88	356.20	599.03	0.00	0.22	97.50	0.23
A12b_Mud_5	2217.00	1240.71	356.20	598.90	0.00	0.22	97.50	0.23
A12b_Mud_EES	2217.98	1241.42	356.20	599.15	0.00	0.22	97.50	0.23
A12b_Mud_EES_1	2217.00	1240.71	356.20	598.90	0.00	0.22	97.50	0.23
A12b_Mud_EES_2	4868.58	2721.86	356.21	1719.74	0.00	0.24	97.50	0.25
A12b_Mud_EES_3	2217.00	1240.71	356.20	598.90	0.00	0.22	97.50	0.23
A12b_Rideau_2	5015.12	2783.99	384.65	1747.56	0.00	0.24	99.00	0.25
A12b_Rideau_3	4475.77	2484.74	384.65	1517.08	0.00	0.24	99.00	0.25
A12b_Rideau_EES_1	5192.49	2882.40	384.65	1823.60	0.00	0.24	99.00	0.25
A12b_Rideau_EES_2	5268.85	2924.77	384.65	1856.36	0.00	0.24	99.00	0.25
A12b_Rideau_EES_4	5597.91	3107.39	384.65	1997.73	0.00	0.24	99.00	0.25
A13_Jock_1	4473.59	2487.12	152.01	1523.93	0.00	0.23	98.50	0.24
A13_Jock_2	6716.41	3734.07	152.01	2378.68	0.00	0.24	98.50	0.26
A13_Jock_EES_1	5265.91	2927.50	152.01	1818.74	0.00	0.24	98.50	0.25
A13_Rideau_1	6717.41	3733.53	162.59	2404.94	0.00	0.24	98.50	0.26
A13_Rideau_EES_2	5266.62	2927.05	162.59	1837.26	0.00	0.24	98.50	0.25

****

Node Depth Summary
****

Node	Type	Average Depth Meters	Maximum Depth Meters	Maximum HGL Meters	Time of Max Occurrence days hr:min	Reported Max Depth Meters
Jock_River	OUTFALL	0.00	0.00	95.00	0 00:00	0.00
Mud_Creek	OUTFALL	0.00	0.00	95.00	0 00:00	0.00
Rideau_River	OUTFALL	0.00	0.00	95.00	0 00:00	0.00
EES	STORAGE	0.00	0.36	104.06	7052 18:01	0.36

****
Node Inflow Summary
****

Node	Type	Maximum Lateral Inflow CMS	Maximum Total Inflow CMS	Time of Max Occurrence days hr:min	Lateral Inflow Volume 10^6 ltr	Total Inflow Volume 10^6 ltr	Flow Balance Error Percent
Jock_River	OUTFALL	0.132	3.138	7052 18:01	1.02e+03	1.18e+03	0.000
Mud_Creek	OUTFALL	5.614	5.614	7052 18:00	4.48e+03	4.48e+03	0.000
Rideau_River	OUTFALL	0.001	0.001	5486 07:00	316	316	0.000
EES	STORAGE	3.092	3.092	7052 18:00	2.64e+03	2.64e+03	-0.066

****
Node Surcharge Summary
****

No nodes were surcharged.

****
Node Flooding Summary
****

No nodes were flooded.

****
Storage Volume Summary
****

Storage Unit	Average Volume 1000 m³	Avg Full Pcnt	Evap Loss Pcnt	Exfil Loss Pcnt	Maximum Volume 1000 m³	Max Full Pcnt	Time of Max Occurrence days hr:min	Maximum Outflow CMS
EES	0.024	0.4	0.0	94.0	2.997	45.5	7052 18:01	3.088

****
Outfall Loading Summary
****

Outfall Node	Flow Freq Pcnt	Avg Flow CMS	Max Flow CMS	Total Volume 10^6 ltr
Jock_River	100.00	0.002	3.138	1177.355
Mud_Creek	98.49	0.007	5.614	4481.407
Rideau_River	100.00	0.001	0.001	316.260
System	99.50	0.010	8.750	5975.022

****
Link Flow Summary
****

Link	Type	Maximum |Flow| CMS	Time of Max Occurrence days hr:min	Maximum |Veloc| m/sec	Max/ Full Flow	Max/ Full Depth
Major	WEIR	3.006	7052 18:01			0.13

****
Flow Classification Summary
****

Conduit	Adjusted /Actual Length	Fraction of Time in Flow Class: Up Dry	Down Dry	Sub Crit	Sup Crit	Up Crit	Down Crit	Norm Ltd	Inlet Ctrl

****
Conduit Surcharge Summary
****

No conduits were surcharged.

Analysis begun on: Wed Apr 8 16:05:34 2026
Analysis ended on: Wed Apr 8 16:06:32 2026
Total elapsed time: 00:00:58

Appendix F

Sanitary Sewer Design Sheets
and Calculations

J.L.Richards
ENGINEERS · ARCHITECTS · PLANNERS

SANITARY DESIGN SHEET

BARRHAVEN SOUTH PHASE 6-8

JLR NO.: 26610-006

Prepared By: KF
Reviewed By: WR

Apr-26

LOCATION			RESIDENTIAL FLOWS							COMMERCIAL/INDUSTRIAL FLOWS				INFILTRATION FLOWS								SEWER DATA								UPSTREAM GEOMETRY				DOWNSTREAM GEOMETRY				
Street	From MH	To MH	Singles	Executive Towns	Avenue Towns	Pop.	Cumu. Pop.	Peaking Factor	Residential Flows	Area	Cumu. Area	Peaking Factor	Comm. and Inst. Flows	ROWs	Parks	Retained Woodlots	Commercial/Industrial	Pond	Cumu. Area	Infiltration Flows	Total Peak Flow (L/s)	Type	Nominal Dia. (mm)	Actual Dia. (mm)	Slope	Length (m)	Q Full (L/s)	V Full (m/s)	Residual Capacity (L/s)	% Full	TG From	Obvert	Invert	Cover	TG To	Drop	Obvert	Invert	Cover
TO BARNSDALE ROAD																																						
Kilbirnie Drive	708	**707**	26			88	88	3.61	**1.03**		-	1.50	-	2.34					2.34	**0.77**	**1.81**	PVC	200	203.20	0.50%	322.52	24.19	0.75	**22.39**	**7%**	108.79	106.38	106.17	**2.41**	108.40		104.77	104.56	**3.64**
Kilbirnie Drive	709	**707**	28			95	95	3.60	**1.11**		-	1.50	-	1.51					1.51	**0.50**	**1.61**	PVC	200	203.20	0.50%	187.02	24.19	0.75	**22.59**	**7%**	109.09	105.70	105.50	**3.39**	108.40		104.77	104.56	**3.64**
Elevation Road	**707**	706A	20			68	252	3.49	**2.84**		-	1.50	-	1.43					5.28	**1.74**	**4.59**	PVC	200	203.20	0.50%	29.53	24.19	0.75	**19.61**	**19%**	108.40	104.77	104.56	**3.64**	108.25		104.62	104.41	**3.63**
Elevation Road	706A	706				-	252	3.49	**2.84**		-	1.50	-						5.28	**1.74**	**4.59**	PVC	200	203.20	0.50%	47.30	24.19	0.75	**19.61**	**19%**	108.25	104.62	104.41	**3.63**	108.00		104.38	104.18	**3.62**
Elevation Road	706	705E				-	252	3.49	**2.84**		-	1.50	-						5.28	**1.74**	**4.59**	PVC	200	203.20	0.50%	11.66	24.19	0.75	**19.61**	**19%**	108.00	104.38	104.18	**3.62**	107.96		104.32	104.12	**3.64**
Elevation Road	705E	705D				-	252	3.49	**2.84**		-	1.50	-						5.28	**1.74**	**4.59**	PVC	200	203.20	0.50%	58.53	24.19	0.75	**19.61**	**19%**	107.96	104.32	104.12	**3.64**	107.75		104.03	103.83	**3.72**
Elevation Road	705D	705B				-	252	3.49	**2.84**		-	1.50	-						5.28	**1.74**	**4.59**	PVC	200	203.20	0.50%	70.00	24.19	0.75	**19.61**	**19%**	107.75	104.03	103.83	**3.72**	107.37		103.68	103.48	**3.69**
Elevation Road	705B	**705A**				-	252	3.49	**2.84**		-	1.50	-						5.28	**1.74**	**4.59**	PVC	200	203.20	0.50%	69.77	24.19	0.75	**19.61**	**19%**	107.37	103.68	103.48	**3.69**	106.99	2.70	103.33	103.13	**3.66**
Street No. 5	713	714	69			235	235	3.50	**2.66**		-	1.50	-	3.54		3.29			6.83	**2.25**	**4.91**	PVC	200	203.20	0.35%	72.39	20.24	0.62	**15.33**	**24%**	107.34	105.21	105.01	**2.13**	106.70		104.96	104.75	**1.74**
Street No. 5	714	**716**				-	235	3.50	**2.66**		-	1.50	-						6.83	**2.25**	**4.91**	PVC	200	203.20	0.65%	75.23	27.59	0.85	**22.67**	**18%**	106.70	104.96	104.75	**1.74**	106.28	2.75	104.47	104.26	**1.81**
Industrial Lands North - Moyard Drive	715	**716**				-	-	3.80	-	13.22	13.22	1.50	**6.43**				13.22		13.22	**4.36**	**10.79**	PVC	200	203.20	0.35%	43.57	20.24	0.62	**9.45**	**53%**	105.98	101.87	101.67	**4.11**	106.28		101.72	101.51	**4.56**
Moyard Drive	**716**	**717**				-	235	3.50	**2.66**		13.22	1.50	**6.43**						20.05	**6.62**	**15.70**	PVC	200	203.20	0.35%	163.25	20.24	0.62	**4.54**	**78%**	106.28	101.72	101.51	**4.56**	105.99		101.15	100.94	**4.84**
Moyard Drive	717	**705A**	33			112	347	3.44	**3.87**		13.22	1.50	**6.43**	1.95					22.00	**7.26**	**17.55**	PVC	200	203.20	0.35%	147.00	20.24	0.62	**2.69**	**87%**	105.99	101.15	100.94	**4.84**	106.99		100.63	100.43	**6.36**
Elevation Road	**705A**	**705**	5			17	615	3.34	**6.66**		13.22	1.50	**6.43**	0.33					27.61	**9.11**	**22.20**	PVC	250	254.00	0.35%	73.01	36.70	0.72	**14.50**	**60%**	106.99	100.63	100.38	**6.36**	106.70		100.38	100.12	**6.33**
Street No. 1	710	711	42	170		602	602	3.35	**6.52**		-	1.50	-	6.73					6.73	**2.22**	**8.74**	PVC	200	203.20	0.35%	209.51	20.24	0.62	**11.50**	**43%**	109.12	106.35	106.14	**2.77**	108.97		105.61	105.41	**3.36**
Street No. 1	711	712				-	602	3.35	**6.52**		-	1.50	-						6.73	**2.22**	**8.74**	PVC	200	203.20	0.35%	73.99	20.24	0.62	**11.50**	**43%**	108.97	105.61	105.41	**3.36**	108.20		105.36	105.15	**2.84**
Street No. 4	712	**705**				-	602	3.35	**6.52**		-	1.50	-						6.73	**2.22**	**8.74**	PVC	200	203.20	1.20%	164.96	37.48	1.16	**28.74**	**23%**	108.20	105.36	105.15	**2.84**	106.70	3.00	103.38	103.17	**3.33**
Elevation Road	**705**	704A	16			54	1,272	3.18	**13.12**		13.22	1.50	**6.43**	0.92					35.26	**11.64**	**31.18**	PVC	250	254.00	0.35%	92.59	36.70	0.72	**5.52**	**85%**	106.75	100.38	100.12	**6.37**	105.75		100.05	99.80	**5.70**
Elevation Road	704A	**704**	33			112	1,384	3.16	**14.19**		13.22	1.50	**6.43**	2.58					37.84	**12.49**	**33.10**	PVC	250	254.00	0.35%	75.03	36.70	0.72	**3.60**	**90%**	105.75	100.05	99.80	**5.70**	104.50	0.10	99.79	99.53	**4.71**
Cappamore Drive	704B	**704**				-	-	3.80	-		-	1.50	-	0.37	1.59				1.96	**0.65**	**0.65**	PVC	250	254.00	0.35%	94.89	36.70	0.72	**36.06**	**2%**	105.75	0.43	0.18	**105.32**	104.50	0.10	0.10	-0.15	**104.40**
Cappamore Drive	**704**	**703**	1			3	1,387	3.16	**14.22**		13.22	1.50	**6.43**	0.12					39.92	**13.17**	**33.82**	PVC	250	254.00	0.35%	31.05	36.70	0.72	**2.88**	**92%**	104.50	99.69	99.43	**4.81**	104.17	0.15	99.58	99.33	**4.59**
Street No.12	717	**721**	16	65		230	230	3.50	**2.61**		-	1.50	-	2.58					2.58	**0.85**	**3.46**	PVC	200	203.20	1.00%	238.75	34.22	1.06	**30.76**	**10%**	105.99	102.97	102.76	**3.02**	104.63	0.80	100.58	100.38	**4.06**
Industrial Lands South - Easement	722	723				-	-	3.80	-	3.19	3.19	1.50	**1.55**				3.19		3.19	**1.05**	**2.60**	PVC	200	203.20	0.35%	41.12	20.24	0.62	**17.64**	**13%**	104.50	101.29	101.09	**3.21**	104.05		101.15	100.94	**2.90**
Street No. 15	723	724	69	21		291	291	3.47	**3.27**		3.19	1.50	**1.55**	4.19					7.38	**2.44**	**7.26**	PVC	200	203.20	0.35%	27.56	20.24	0.62	**12.98**	**36%**	104.05	101.15	100.94	**2.90**	104.11		101.05	100.85	**3.07**
Street No. 15	724	725				-	291	3.47	**3.27**		3.19	1.50	**1.55**						7.38	**2.44**	**7.26**	PVC	200	203.20	0.35%	71.91	20.24	0.62	**12.98**	**36%**	104.11	101.05	100.85	**3.07**	103.90		100.80	100.59	**3.10**
Street No. 15	725	726				-	291	3.47	**3.27**		3.19	1.50	**1.55**						7.38	**2.44**	**7.26**	PVC	200	203.20	0.35%	72.00	20.24	0.62	**12.98**	**36%**	103.90	100.80	100.59	**3.10**	103.80		100.55	100.34	**3.25**
Street No. 16	726	**719**				-	291	3.47	**3.27**		3.19	1.50	**1.55**						7.38	**2.44**	**7.26**	PVC	200	203.20	0.35%	73.55	20.24	0.62	**12.98**	**36%**	103.80	100.55	100.34	**3.25**	104.91		100.29	100.08	**4.62**
Cappamore Drive	718	**719**	14	68	42	345	345	3.44	**3.84**		-	1.50	-	3.86					3.86	**1.27**	**5.12**	PVC	200	203.20	0.35%	148.67	20.24	0.62	**15.13**	**25%**	105.43	101.21	101.00	**4.22**	104.91	0.40	100.69	100.48	**4.22**
Cappamore Drive	719	720				-	636	3.33	**6.87**		3.19	1.50	**1.55**						11.24	**3.71**	**12.13**	PVC	200	203.20	0.35%	73.56	20.24	0.62	**8.11**	**60%**	104.91	100.29	100.08	**4.62**	104.73		100.03	99.83	**4.70**
Cappamore Drive	720	**721**		67	56	332	968	3.25	**10.19**		3.19	1.50	**1.55**	3.02					14.26	**4.71**	**16.44**	PVC	200	203.20	0.35%	72.03	20.24	0.62	**3.80**	**81%**	104.73	100.03	99.83	**4.70**	104.63		99.78	99.58	**4.86**
Cappamore Drive	**721**	**703**	39	5		146	1,344	3.17	**13.81**		3.19	1.50	**1.55**	2.03					18.87	**6.23**	**21.59**	PVC	250	254.00	0.30%	116.01	33.98	0.67	**12.39**	**64%**	104.63	99.78	99.52	**4.86**	104.17		99.43	99.18	**4.74**
Street No. 17	**703**	702	37			126	2,857	2.97	**27.48**		16.41	1.50	**7.98**	1.81					60.60	**20.00**	**55.46**	PVC	300	304.80	0.35%	232.35	59.68	0.82	**4.22**	**93%**	104.17	99.43	99.13	**4.74**	103.45	0.38	98.62	98.31	**4.83**
Street No. 17 / Barnsdale Road	702	701				-	2,857	2.97	**27.48**		16.41	1.50	**7.98**						60.60	**20.00**	**55.46**	PVC	300	304.80	2.00%	26.78	142.67	1.96	**87.21**	**39%**	103.45	98.24	97.93	**5.21**	100.58	0.50	97.70	97.40	**2.88**
Barnsdale Road	701	**STUB**				-	2,857	2.97	**27.48**		16.41	1.50	**7.98**					3.66	64.26	**21.21**	**56.67**	PVC	375	381.00	0.18%	349.71	77.60	0.68	**20.94**	**73%**	100.58	97.20	96.82	**3.38**	**102.50**	**0.10**	**96.57**	96.19	**5.93**
Barnsdale Road	STUB	EX04				-	2,857	2.97	**27.48**		16.41	1.50	**7.98**						64.26	**21.21**	**56.67**	PVC	375	381.00	0.18%	23.40	77.60	0.68	**20.94**	**73%**	**102.50**	**96.47**	**96.09**	**6.03**	**102.80**		**96.43**	**96.05**	**6.37**
TOTALS			448	396	98	2,857				16.41				39.31	1.59	3.29	16.41	3.66																					

Design Parameters (Per OSDG)		
Singles Density	3.4	Cap/Unit
Executive Towns Density	2.7	Cap/Unit
Avenue Towns Density	2.7	Cap/Unit
Residential Flows	280	L/Cap/Day
Commercial Flows	28000	L/ha/Day
Infiltration Flows	0.33	L/s/ha
Harmon's Correction Factor (K)	0.8	unitless
Manning's Coefficient	0.013	unitless

Legend	
75.43	Proposed
75.43	Existing

J.L.Richards
ENGINEERS · ARCHITECTS · PLANNERS

S1 URBAN EXPANSION AREA - BARRHAVEN SOUTH
SANITARY DESIGN SHEET - EXISTING CONDITIONS WITH S1/S2 LANDS AND QUINNS POINTE STAGE 5 (REV. 2)
JLR NO: 26610-300

Prepared By: Mahad Musse

Design Parameters		
Singles	3.4	ppu
Towns	2.7	ppu
Apartments	1.8	ppu
Manning's Coefficient	0.013	
Residential Flow Rate	280	L/cap/day
Residential Peaking Factor	Harmon's Eqn	
Commercial/Institutional Flow Rate	28,000	L/ha/day
Commercial/Institutional Peaking Factor	1.0/1.5*	
Infiltration Peaking Factor	0.33	

SOURCE	PIPE REACH			SANITARY PEAK FLOW ESTIMATION																						SEWER DATA (AS-BUILT)							
				RESIDENTIAL								COMMERCIAL				INSTITUTIONAL				PARKS/ROADS		INFILTRATION			PLUG FLOW (L/s)	PEAK FLOW (L/s)							
	STREET NAME	FROM MH	TO MH	UNITS			POP.	AREA (ha)	CUMULATIVE POP.	CUMULATIVE AREA (ha)	PEAKING FACTOR	PEAK FLOW (L/s)	AREA (ha)	CUMUL. AREA	PEAKING FACTOR	PEAK FLOW (L/s)	AREA (ha)	CUMUL. AREA	PEAKING FACTOR	PEAK FLOW (L/s)	AREA (ha)	CUMUL. AREA	AREA (ha)	CUMUL. AREA	PEAK FLOW (L/s)			DIA. (mm)	ACT. DIA. (mm)	SLOPE (%)	LENGTH (m)	Q-FULL (L/s)	V-FULL (m/s)	RES. CAP. (L/s)	% FULL
				SINGLE	TOWNS	APART.																												
Quinn's Pointe Stage 4 - As Builts (JLR, 2022)	**TO MH260 ON GREENBANK ROAD VIA BARNSDALE ROAD**																																	
	TO MH204 ON BARNSDALE ROAD (VIA QUINN'S POINTE STAGE 4)																																	
	Barnsdale Road	UPSTREAM	**MH204**	69	112	-	536	8.05	536	8.05	3.37	5.85		-	1.00	-	-	-	1.00	-	1.04	1.04	9.09	9.09	3.00	-	8.85	450	457	1.64%	97.8	380.94	2.32	372.1	2%
							536	8.05					-				-				1.04		9.09											
Quinn's Pointe Stage 3 - As Builts (JLR, 2020)	**TO MH204 ON BARNSDALE ROAD (VIA QUINN'S POINTE STAGE 3)**																																	
	Finglas Court/ Barnsdale Road Connection	UPSTREAM	**MH204**	34	202	-	661	8.63	661	8.63	3.33	7.13	-	-	1.00	-	-	-	1.00	-	-	-	8.63	8.63	2.85	-	9.97	200	203	1.93%	19.7	47.49	1.46	37.5	21%
Future S1 Lands - (JLR, 2025)	**TO MH204 FROM PROPOSED S1 LANDS**																																	
	Barnsdale Road	UPSTREAM	**MH204**	448	494	-	2,857	47.85	2,857	47.85	2.97	27.48	16.41	16.41	1.50	7.98	-	-	-	-	-	-	64.26	64.26	21.21	-	56.67	375	381	0.18%		77.60	0.68	20.94	73%
Quinn's Pointe Stage 3 / 4 - As Builts (JLR, 2020)	**TO MH260 ON GREENBANK ROAD VIA BARNSDALE ROAD**																																	
	Barnsdale Road	**MH204**	MH203	-	-	-	-	0.29	4,054	64.82	2.86	37.61		16.41	1.00	5.32		-	1.00	-		1.04	0.29	82.27	27.15		70.07	525	533	0.20%	97.3	202.37	0.91	132.3	35%
	Barnsdale Road	MH203	MH202	-	-	-	-	0.22	4,054	65.04	2.86	37.61		16.41	1.00	5.32		-	1.00	-		1.04	0.22	82.49	27.22		70.15	525	533	0.18%	95.4	192.18	0.86	122.0	37%
	Barnsdale Road	MH202	MH201	-	-	-	-	0.36	4,054	65.40	2.86	37.61		16.41	1.00	5.32		-	1.00	`		1.04	0.36	82.85	27.34		70.27	525	533	0.24%	92.9	217.79	0.97	147.5	32%
							-	65.40					16.41				-				1.04		82.85											
	Greenbank Road	MH201	MH200	-	-	-	-	0.34	4,054	65.74	2.86	37.61		16.41	1.00	5.32		-	1.00	-		1.04	0.34	83.19	27.45		70.38	600	610	0.19%	124.5	281.83	0.97	211.4	25%
	Greenbank Road	MH200	MH260SE STUB	-	-	-	-	-	4,054	65.74	2.86	37.61		16.41	1.00	5.32		-	1.00	-		1.04	-	83.19	27.45		70.38	600	610	0.18%	110.9	274.12	0.94	203.7	26%
	Greenbank Road	MH260SE STUB	**MH260**	-	-	-	-	0.38	4,054	66.12	2.86	37.61		16.41	1.00	5.32		-	1.00	-		1.04	0.38	83.57	27.58		70.50	600	610	0.48%	12.2	444.73	1.52	374.2	16%
							4,054	66.12					16.41				-				1.04		83.57											
	TO MH260 ON GREENBANK ROAD VIA CAPPAMORE DRIVE																																	
	TO MH235 ON CAPPAMORE DRIVE (VIA QUINN'S POINTE STAGE 4)																																	
Quinn's Pointe Stage 5 - Conceptual Design (JLR, 2025)	Lynn Coulter Drive	UPSTREAM	MH127	-	133	-	359	3.75	359	3.75	3.44	4.00	-	-	1.50	-	2.63	2.63	1.50	1.28	1.13	1.13	7.51	7.51	2.48	0.10	7.85	200	203	0.35%	10.0	20.29	0.63	12.4	39%
													-																					
Quinn's Pointe Stage 4 - As Builts (JLR, 2022)	Cappamore Drive	MH127	**MH235**	45	111	-	453	5.28	812	9.03	3.29	8.64	-	-	1.00	-	-	-	1.00	-	2.06	3.19	7.34	14.85	4.90	3.00	16.55	200	203	0.35%	81.1	20.29	0.63	3.7	82%
							812	9.03					-				2.63				3.19		14.85											
Quinn's Pointe Stage 2 - As Builts (JLR, 2019)	**TO MH260 ON GREENBANK ROAD VIA CAPPAMORE DRIVE (QUINN'S POINTE STAGE 2)**																																	
	River Mist Rd.	UPSTREAM	**MH233**	118	132	-	758	9.50	758	9.50	3.30	8.11	-	-	1.00	-	0	0.34	1.00	0.11	-	-	9.84	9.84	3.25		11.46	200	203	0.34%	98.6	19.95	0.62	8.5	57%
							758	9.50					-				0.34				-		9.84											
	School	Stub	**MH233**				-		-	-	3.80	-		-	1.50	-	2.36	2.36	1.50	1.15		-	2.36	2.36	0.78		1.93	200	203	0.35%	17.0	20.24	0.62	18.3	10%
							-	-					-				2.36				-		2.36											
	Cappamore Drive	**MH235**	MH237	13	-		44	0.65	856	9.68	3.27	9.08		-	1.00	-		-	1.00	-		3.19	0.65	15.50	5.12	3.00	17.20	200	203	0.35%	100.3	20.24	0.62	3.0	85%
	Cappamore Drive	MH237	MH239	18	-		61	0.91	917	10.59	3.26	9.69		-	1.00	-		-	1.00	-		3.19	0.91	16.41	5.42	3.00	18.10	200	203	0.35%	121.1	20.24	0.62	2.1	89%
	Cappamore Drive	MH239	MH241	18	-		61	0.82	978	11.41	3.24	10.28		-	1.00	-		-	1.00	-		3.19	0.82	17.23	5.69	3.00	18.97	200	203	0.78%	109.8	30.22	0.93	11.2	63%
	Cappamore Drive	MH241	MH243	6	-		20	0.36	998	11.77	3.24	10.48		-	1.00	-		-	1.00	-		3.19	0.36	17.59	5.80	3.00	19.29	200	203	0.35%	67.5	20.24	0.62	1.0	95%
	Cappamore Drive	MH243	**MH233**	2	-		7	0.26	1,005	12.03	3.24	10.55		-	1.00	-		-	1.00	-		3.19	0.26	17.85	5.89	3.00	19.44	200	203	0.35%	76.5	20.24	0.62	0.8	96%
							1,005	12.03					-				2.63				3.19		17.85											
	Cappamore Drive	**MH233**	**MH260**	58	-	-	196	9.26	1,959	30.79	3.07	19.52	-	-	1.00	-	3.12	5.82	1.00	1.89	-	3.19	12.38	42.43	14.00	7.00	42.41	250	254	0.89%	77.3	58.61	1.16	16.2	72%
							1,959	30.79					-				8.45				3.19		34.92											
Future S2 Lands - (Arcadis/IBI Group, 2024)	**TO MH260 (EXMH 74401 on GeoOttawa) FROM PROPOSED S2 LANDS BY ARCADIS/IBI GROUP**																																	
	Cappamore Drive / Greenbank Road	MH 102A	**MH260**	544	560	142	3,617	70.15	3,617	70.15	2.90	33.97	-	-	-	-	-	-	-	-	-	-	70.15	70.15	23.15	-	57.12	375	381	0.38%	615.70	112.75	0.99	55.64	49%
Quinn's Pointe Stage 2 - As Builts (JLR, 2019)	**TO MH45 (SOUTH) ON GREENBANK ROAD**																																	
	TO EX120 ON GREENBANK ROAD (QUINN'S POINTE STAGES 2, 3 AND 4 + GREENBANK ROAD)																																	
	Greenbank Road	**MH260**	MH261	-	-	-	-	0.29	9,630	167.35	2.58	80.42		16.41	1.00	5.32		5.82	1.00	1.89		4.23	0.29	196.44	64.83	7.00	159.45	600	610	0.47%	86.4	439.15	1.50	279.7	36%
	Greenbank Road	MH261	**EX120**	-	-	-	-	0.29	9,630	167.64	2.58	80.42		16.41	1.00	5.32		5.82	1.00	1.89		4.23	0.29	196.73	64.92	7.00	159.54	600	610	0.38%	79.2	394.87	1.35	235.3	40%
							9,630	167.64					16.41				8.45				4.23		119.07											
Quinn's Pointe Stage 1 - As Builts (JLR, 2016)	**TO EX98A ON GREENBANK ROAD (QUINN'S POINTE STAGES 1, 2, 3 AND 4 + GREENBANK ROAD)**																																	
	Greenbank Road	**EX120**	**121**	-	-	-	-	0.22	9,630	167.86	2.58	80.42		16.41	1.00	5.32		5.82	1.00	1.89		4.23	0.22	196.95	64.99	7.00	159.61	600	610	0.16%	58.1	256.22	0.88	96.6	62%
							##### #	###### #					16.41				8.45				4.23		######											
	Easement	UPSTREAM	**121**	84	36	-	383	6.55	383	6.55	3.42	4.25	-	-	1.00	-	1.57	1.57	1.00	0.51	-	-	8.12	8.12	2.68	5.00	12.44	300	305	0.20%	20.4	44.67	0.61	32.2	28%
							383	6.55					-				1.57				-		8.12											
	Greenbank Road	**121**	123	-	-	-	-	0.73	10,013	175.14	2.56	83.18	-	16.41	1.00	5.32	-	7.39	1.00	2.39	-	4.23	0.73	205.80	67.91	12.00	170.81	600	610	0.33%	75.3	367.97	1.26	197.2	46%
							10,013	175.14					16.41				10.02				4.23		128.14											
	Easement	UPSTREAM	**123**	-	96	-	260	2.62	260	2.62	3.48	2.94	-	-	1.00	-	-	-	1.00	-	-	-	2.62	2.62	0.86	-	3.80	300	305	0.35%	19.0	59.68	0.82	55.9	6%
							260	2.62					-				-				-		2.62											
	Greenbank Road	**123**	**EX. 205A**	-	-	-	-	0.43	10,273	178.19	2.55	85.04		16.41	1.00	5.32		7.39	1.00	2.39		4.23	0.43	208.85	68.92	12.00	173.68	600	610	0.25%	120.8	320.28	1.10	146.6	54%
							10,273	178.19					16.41				10.02				4.23		131.19											
	Kilbirnie Drive	UPSTREAM	**EX. 205A**	-	83	-	224	2.15	224	2.15	3.50	2.54	-	-	1.00	-	-	-	1.00	-	-	-	2.15	2.15	0.71	-	3.25	200	203	0.71%	28.7	28.83	0.89	25.6	11%
							224	2.15					-				-				-		2.15											
	Greenbank Road	**EX. 205A**	**EX. 98A**	-	-		-	-	10,497	180.34	2.55	86.64		16.41	1.00	5.32		7.39	1.00	2.39		4.23	-	211.00	69.63	12.00	175.99	600	610	0.25%	126.0	320.28	1.10	144.3	55%
							10,497	180.34					16				10.02				4.23		133.34											

Barrhaven South MSS Addendum (Stantec, 2017)	**TO MH45 (SOUTH) ON GREENBANK ROAD**																																			
	Greenbank Road	**EX. 98A**	MH99A				-	2.71	10,497	183.05	2.55	86.64		16.41	1.00	5.32		7.39	1.00	2.39		4.23	2.71	213.71	70.52	12.00	176.88	600	610	**0.25%**	**320.28**	320.28	1.10	143.4	55%
	Greenbank Road	MH99A	MH100A				-	-	10,497	183.05	2.55	86.64		16.41	1.00	5.32		7.39	1.00	2.39		4.23	-	213.71	70.52	12.00	176.88	600	610	0.25%	**320.28**	320.28	1.10	143.4	55%
	Greenbank Road	MH100A	MH204A				-	-	10,497	183.05	2.55	86.64		16.41	1.00	5.32		7.39	1.00	2.39		4.23	-	213.71	70.52	12.00	176.88	600	610	0.25%	**320.28**	320.28	1.10	143.4	55%
	Greenbank Road	MH204A	MH206A				-	-	10,497	183.05	2.55	86.64		16.41	1.00	5.32		7.39	1.00	2.39		4.23	-	213.71	70.52	12.00	176.88	600	610	0.25%	**320.28**	320.28	1.10	143.4	55%
	Greenbank Road	MH206A	MH97A				-	-	10,497	183.05	2.55	86.64		16.41	1.00	5.32		7.39	1.00	2.39		4.23	-	213.71	70.52	12.00	176.88	600	610	0.25%	**320.28**	320.28	1.10	143.4	55%
	Greenbank Road	MH97A	MH96A				1,631	19.95	12,128	203.00	2.50	98.13		16.41	1.00	5.32		7.39	1.00	2.39	0.81	5.04	20.76	234.47	77.38	12.00	195.22	600	610	0.30%	**350.85**	350.85	1.20	155.6	56%
	Greenbank Road	MH96A	MH95A				-	-	12,128	203.00	2.50	98.13		16.41	1.00	5.32		7.39	1.00	2.39		5.04	-	234.47	77.38	12.00	195.22	600	610	0.30%	**350.85**	350.85	1.20	155.6	56%
	Greenbank Road	MH95A	MH201A				-	-	12,128	203.00	2.50	98.13		16.41	1.00	5.32		7.39	1.00	2.39		5.04	-	234.47	77.38	12.00	195.22	600	610	0.30%	**350.85**	350.85	1.20	155.6	56%
	Greenbank Road	MH201A	MH201B				787	12.13	12,915	215.13	2.47	103.58		16.41	1.00	5.32		7.39	1.00	2.39		5.04	12.13	246.60	81.38	12.00	204.68	600	610	0.30%	**350.85**	350.85	1.20	146.2	58%
	Greenbank Road	MH201B	MH200A				-	-	12,915	215.13	2.47	103.58		16.41	1.00	5.32		7.39	1.00	2.39		5.04	-	246.60	81.38	12.00	204.68	600	610	0.30%	**350.85**	350.85	1.20	146.2	58%
	Greenbank Road	MH200A	MH200C				-	-	12,915	215.13	2.47	103.58		16.41	1.00	5.32		7.39	1.00	2.39		5.04	-	246.60	81.38	12.00	204.68	600	610	0.50%	**452.94**	452.94	1.55	248.3	45%
	Greenbank Road	MH200C	**MH45**				-	-	12,915	215.13	2.47	103.58		16.41	1.00	5.32	7.50	14.89	1.00	4.83		5.04	7.50	254.10	83.85	12.00	209.58	600	610	0.12%	**221.90**	221.90	0.76	12.3	94%
							12,915	215.13					16.41				17.52				5.04		176.44												
Quinn's Pointe Stage 1 & 2 As Builts (JLR, 2016 & 2019)	**TO MH17A ON CAMBRIAN ROAD VIA RIVER MIST ROAD**																																			
	TO EXMH165 ON RIVER MIST ROAD (QUINN'S POINTE STAGES 1 AND 2)																																			
	Kilbernie Dr	UPSTREAM	**10**	46	-	-	157	2.52	157	2.52	3.55	1.81	0.49	0.49	1.50	0.24	2.43	2.43	1.50	1.18	-	-	5.44	5.44	1.80		5.02	200	203	**2.96%**	**117.3**	58.87	1.82	53.8	9%
							157	2.52					0.49				2.43				-		5.44												
	Alex Polowin Ave.	UPSTREAM	**10**	43	-	-	146	1.91	146	1.91	3.56	1.68	-	-	1.00	-	-	-	1.00	-	-	-	1.91	1.91	0.63	-	2.31	200	203	**1.65%**	**104.0**	43.95	1.36	41.6	5%
							146	1.91					-				-				-		1.91												
	River Mist Road	UPSTREAM	**1**	114	14	-	424	5.54	424	5.54	3.41	4.68	-	-	1.00	-	-	-	1.00	-	-	-	5.54	5.54	1.83	-	6.51	200	203	**1.77%**	**112.1**	45.46	1.40	38.9	14%
							424	5.54					-				-				-		5.54												
	Kilbirnie Drive	**10**	1	-	29	-	79	1.19	382	5.62	3.43	4.24	-	0.49	1.50	0.24	2.83	5.26	1.50	2.56	-	-	4.02	11.37	3.75		10.79	200	203	0.32%	**119.0**	19.36	0.60	8.6	56%
							382	5.62					0.49				5.26				-		11.37												
	River Mist Road	**1**	**EX. MH163**	-	-		-		806	11.16	3.29	8.59		0.49	1.50	0.24		5.26	1.50	2.56		-	-	16.91	5.58		16.96	200	203	0.32%	**39.4**	19.36	0.60	2.4	88%
							806	11.16					0.49				5.26				-		16.91												
Barrhaven South MSS Addendum (Stantec 2017)	**TO MH17A ON CAMBRIAN ROAD VIA RIVER MIST ROAD**																																			
	River Mist Road	**EX. MH163**	162	-	-		-	-	806	11.16	3.29	8.59		0.49	1.50	0.24	2.77	8.03	1.50	3.90	1.38	1.38	4.15	21.06	6.95		19.68	200	203	1.15%	**36.3**	36.69	1.13	17.0	54%
	River Mist Road	162	161				-	-	806	11.16	3.29	8.59		0.49	1.50	0.24		8.03	1.50	3.90		1.38	-	21.06	6.95		19.68	250	254	1.15%	**87.2**	66.53	1.31	46.9	30%
	River Mist Road	161	EX151				-	-	806	11.16	3.29	8.59		0.49	1.50	0.24		8.03	1.50	3.90		1.38	-	21.06	6.95		19.68	250	254	1.15%	**75.6**	66.53	1.31	46.9	30%
	River Mist Road	EX151	MH142				-	-	806	11.16	3.29	8.59		0.49	1.50	0.24		8.03	1.50	3.90		1.38	-	21.06	6.95		19.68	300	305	1.40%	**44.4**	119.37	1.64	99.7	16%
	River Mist Road	MH142	EX139				825	8.20	1,631	19.36	3.12	16.50		0.49	1.50	0.24		8.03	1.50	3.90		1.38	8.20	29.26	9.66		30.30	300	305	0.40%	**74.8**	63.80	0.87	33.5	47%
	River Mist Road	EX139	EX136				-	-	1,631	19.36	3.12	16.50		0.49	1.50	0.24		8.03	1.50	3.90		1.38	-	29.26	9.66		30.30	300	305	0.40%	**64.7**	63.80	0.87	33.5	47%
	River Mist Road	EX136	MH126				-	-	1,631	19.36	3.12	16.50		0.49	1.50	0.24		8.03	1.50	3.90		1.38	-	29.26	9.66		30.30	300	305	0.41%	**78.9**	64.60	0.89	34.3	47%
	River Mist Road	MH126	EX123				954	16.50	2,585	35.86	3.00	25.11		0.49	1.50	0.24	2.1	10.13	1.50	4.92		1.38	18.60	47.86	15.79		46.06	375	381	0.45%	**81.3**	122.70	1.08	76.6	38%
	River Mist Road	EX123	MH112				-	-	2,585	35.86	3.00	25.11		0.49	1.50	0.24		10.13	1.50	4.92		1.38	-	47.86	15.79		46.06	375	381	0.42%	**90.3**	118.54	1.04	72.5	39%
	River Mist Road	MH112	EX102				689	8.30	3,274	44.16	2.93	31.07		0.49	1.00	0.16		10.13	1.00	3.28		1.38	8.30	56.16	18.53		53.04	375	381	0.31%	**68.0**	101.84	0.89	48.8	52%
	River Mist Road	EX102	EX101				-	-	3,274	44.16	2.93	31.07		0.49	1.00	0.16		10.13	1.00	3.28		1.38	-	56.16	18.53		53.04	375	381	0.29%	**34.0**	98.50	0.86	45.5	54%
	River Mist Road	EX101	MH43A				-	-	3,274	44.16	2.93	31.07		0.49	1.00	0.16		10.13	1.00	3.28		1.38	-	56.16	18.53		53.04	375	381	0.30%	**38.0**	100.18	0.88	47.1	53%
	River Mist Road	MH43A	MH44A				352	6.60	3,626	50.76	2.90	34.04		0.49	1.00	0.16		10.13	1.00	3.28		1.38	6.60	62.76	20.71		58.19	375	381	0.30%	**81.0**	100.18	0.88	42.0	58%
	River Mist Road	MH44A	MH45A				-	-	3,626	50.76	2.90	34.04		0.49	1.00	0.16		10.13	1.00	3.28		1.38	-	62.76	20.71		58.19	375	381	0.30%	**64.0**	100.18	0.88	42.0	58%
	River Mist Road	MH45A	MH46A				-	-	3,626	50.76	2.90	34.04		0.49	1.00	0.16		10.13	1.00	3.28		1.38	-	62.76	20.71		58.19	375	381	0.30%	**85.0**	100.18	0.88	42.0	58%
	River Mist Road	MH46A	MH47A				562	8.40	4,188	59.16	2.85	38.71		0.49	1.00	0.16		10.13	1.00	3.28		1.38	8.40	71.16	23.48		65.64	375	381	0.30%	**41.0**	100.18	0.88	34.5	66%
	River Mist Road	MH47A	MH101A				-	-	4,188	59.16	2.85	38.71		0.49	1.00	0.16		10.13	1.00	3.28		1.38	-	71.16	23.48		65.64	375	381	0.30%	**64.0**	100.18	0.88	34.5	66%
	River Mist Road	MH101A	MH102A				-	-	4,188	59.16	2.85	38.71		0.49	1.00	0.16		10.13	1.00	3.28		1.38	-	71.16	23.48		65.64	375	381	0.30%	**64.0**	100.18	0.88	34.5	66%
	River Mist Road	MH102A	**MH17A**				291	4.00	4,479	63.16	2.83	41.09		0.49	1.00	0.16		10.13	1.00	3.28		1.38	4.00	75.16	24.80		69.34	375	381	0.30%	**81.0**	100.18	0.88	30.8	69%
							4,479	##### ##					0.49				##### ##				##### ##		##### #												
The Ridge Phase 1 to 4 (DSEL, 2019 and 2022)	**TO MH57A ON CAMBRIAN ROAD VIA NEW GREENBANK**																																			
	TO MH57A ON CAMBRIAN ROAD VIA NEW GREENBANK (THE RIDGE PHASE 1 TO 4)																																			
	New Greenbank	UPSTREAM	**MH57A**		-	-	##### #	48.06	3,892	48.06	2.88	36.26	24.22	24.22	1.50	11.77	6.06	6.06	1.50	2.95	3.17	3.17	81.51	81.51	26.90		77.88	375	381	**0.50%**	**15.0**	129.34	1.13	51.5	60%
							##### #	48.06					24.22				6.06				3.17		##### #												
The Meadows Subdivision Phase 7/8 (DSEL, 2020)	**TO MH501A ON CAMBRIAN ROAD VIA ELEVATION ROAD**																																			
	TO MH501A ON CAMBRIAN ROAD VIA ELEVATION ROAD (THE MEADOWS SUBDIVISION PHASE 7/8)																																			
	Elevation Road	UPSTREAM	**MH501A**		-	-	##### #	15.87	1,135	15.87	3.21	11.81	10.80	10.80	1.50	5.25	2.80	2.80	1.50	1.36	1.19	1.19	30.66	30.66	10.12		28.73	375	381	**0.20%**	**14.5**	81.80	0.72	53.1	35%
							##### #	15.87					10.80				2.80				1.19		##### #												
The Meadows Subdivision Phase 7/8 (DSEL, 2020)	**TO MH45 (EAST) ON GREENBANK ROAD VIA CAMBRIAN ROAD**																																			
	TO MH45 (EAST) ON GREENBANK ROAD VIA CAMBRIAN ROAD																																			
	Cambrian (via Apolune St.)	UPSTREAM	**MH501A**				417	4.21	417	4.21			-	-	1.00	-		-	1.00	-	3.19	3.19	7.40	7.40												
	Fut. Residential + Woodlot	UPSTREAM	**MH501A**				141	2.24	141	2.24	3.56	1.63	-	-	1.00	-		-	1.00	-	13.44	13.44	15.68	15.68	5.17											
Barrhaven South MSS Addendum (Stantec 2017)	Cambrian	**MH501A**	5010A				91	2.24	1,784	24.56	3.10	17.92		10.80	1.50	5.25		2.80	1.50	1.36		17.82	2.24	55.98	18.47		43.00	500	508	0.12%	**124.0**	136.46	0.67	93.5	32%
	Cambrian	5010A	502A				-		1,784	24.56	3.10	17.92		10.80	1.50	5.25		2.80	1.50	1.36		17.82	-	55.98	18.47		43.00	500	508	0.12%	**124.0**	136.46	0.67	93.5	32%
	Cambrian	502A	503A				##### #	11.48	2,928	36.04	2.96	28.10		10.80	1.50	5.25	6.05	8.85	1.50	4.30	0.24	18.06	17.77	73.75	24.34		61.99	500	508	0.15%	**111.5**	152.57	0.75	90.6	41%
	Cambrian	503A	504A				-	0.20	2,928	36.24	2.96	28.10	2.86	13.66	1.50	6.64		8.85	1.50	4.30		18.06	3.06	76.81	25.35		64.39	500	508	0.15%	**29.5**	152.57	0.75	88.2	42%
	Cambrian	504A	**MH57A**						2,928	36.24	2.96	28.10		13.66	1.50	6.64		8.85	1.50	4.30		18.06	-	76.81	25.35		64.39	500	508	0.61%	**26.0**	307.66	1.52	243.3	21%
							2,928	36.24					13.66				8.85				18.06		76.81												
	Cambrian	**MH57A**	MH13A				458	4.30	7,278	88.60	2.67	63.03	3.40	41.28	1.50	20.07		14.91	1.50	7.25		21.23	7.70	166.02	54.79		145.13	500	508	0.25%	**216.5**	196.96	0.97	51.8	74%
	Cambrian	MH13A	MH15A				634	6.20	7,912	94.80	2.64	67.79		41.28	1.50	20.07		14.91	1.50	7.25		21.23	6.20	172.22	56.83		151.94	500	508	0.20%	**165.2**	176.17	0.87	24.2	86%
	Cambrian	MH15A	**MH17A**				870	5.60	8,782	100.40	2.61	74.24		41.28	1.50	20.07		14.91	1.50	7.25		21.23	5.60	177.82	58.68		160.23	600	610	0.13%	**202.0**	230.96	0.79	70.7	69%
							8,782	100.40					41.28				14.91				21.23		177.82												
	Cambrian	**MH17A**	MH21A				##### #	26.00	15,217	189.56	2.42	119.22		41.77	1.50	20.30	3.00	28.04	1.50	13.63	5.1	27.71	34.10	287.08	94.74		247.89	750	762	0.13%	**204.3**	418.75	0.92	170.9	59%
	Cambrian	MH21A	**MH45**				408	7.00	15,625	196.56	2.41	121.95		41.77	1.50	20.30		28.04	1.50	13.63	2.9	30.61	9.90	296.98	98.00		253.89	750	762	0.13%	**277.8**	418.75	0.92	164.9	61%
							15,625	196.56					41.77				28.04				30.61		296.98												
Barrhaven South MSS Addendum (Stantec 2017)	**TO MH435A (NORTH OF MH45) ON GREENBANK ROAD**																																			
	TO MH435A (NORTH OF MH45) ON GREENBANK ROAD																																			
	Greenbank	**MH45**	**MH435A**				548	5.10	29,088	416.79	2.19	206.67	-	58.18	1.50	28.28	-	45.56	1.50	22.15	-	35.65	5.10	478.52	157.91	12.00	427.01	900	914	0.10%	**296.6**	597.22	0.91	170.2	71%
							######	###### #					58.18				45.56				##### #		######												
Barrhaven South MSS Addendum (Stantec 2017)	**TO MH501A (NORTH OF MH45) ON GREENBANK ROAD**																																			
	TO MH501A (NORTH OF MH45) ON GREENBANK ROAD																																			
	Local (North of Cambrian Road)	**MA9**	**MA8**				2,378	22.23	2,378	22.23	3.02	23.28		-	1.00	-	2.45	2.45	1.00	0.79	9.54	9.54	34.22	34.22	11.29		35.37	450	457	0.11%	**507.50**	98.65	0.60	63.3	36%
	Local (North of Cambrian Road)	**MA8**	**MA7**				308	2.88	2,686	25.11	2.99	25.99		-	1.00	-		2.45	1.00	0.79	0.78	10.32	3.66	37.88	12.50		39.29	450	457	0.11%	**317.10**	98.65	0.60	59.4	40%
	Local (North of Cambrian Road)	**MA7**	**MA6**				1,979	18.50	4,665	43.61	2.82	42.61		-	1.00	-		2.45	1.00	0.79	-	10.32	18.50	56.38	18.61		62.01	450	457	0.11%	**573.10**	98.65	0.60	36.6	63%
	Local (North of Cambrian Road)	**MA6**	**MA5**				2,320	21.68	6,985	65.29	2.69	60.80		-	1.00	-		2.45	1.00	0.79	-	10.32	21.68	78.06	25.76		87.36	525	533	0.10%	**473.90**	141.88	0.63	54.5	62%
	Local (North of Cambrian Road)	**MA5**	**MA4**				1,020	9.53	8,005	74.82	2.64	68.49		-	1.00	-		2.45	1.00	0.79	-	10.32	9.53	87.59	28.90		98.19	525	533	0.10%	**439.40**	141.88	0.63	43.7	69%
	Local (North of Cambrian Road)	**MA4**	**MH521A**				863	8.07	8,868	82.89	2.61	74.87		-	1.00	-		2.45	1.00	0.79	2.42	12.74	10.49	98.08	32.37		108.03	525	533	0.10%	**530.70**	141.88	0.63	33.9	76%
	Local (North of Cambrian Road)	**MH521A**	**MH522A**				231	3.80	9,099	86.69	2.60	76.56		-	1.00	-		2.45	1.00	0.79	0.02	12.76	3.82	101.90	33.63		110.98	600	610	0.10%	**49.90**	202.56	0.69	91.6	55%
	Local (North of Cambrian Road)	**MH522A**	**MH435A**				-	-	9,099	86.69	2.60	76.56		-	1.00	-		2.45	1.00	0.79	-	12.76	-	101.90	33.63		110.98	600	610	0.10%	**11.10**	202.56	0.69	91.6	55%
	Greenbank	**MH435A**	**MH501A**				-	-	38,187	503.48	2.10	259.92		58.18	1.00	18.85		48.01	1.00	15.56	-	48.41	-	580.42	191.54	12.00	497.87	900	914	0.10%	**13.30**	597.22	0.91	99.4	83%
							38,187	503.48					58.18				48.01				48.41		580.42												

Appendix G

Water Distribution

System-Level Demand Parameters

System Level Parameters for MSS (2024)	Consumption Rate[1]	Population Density cap/unit[3]	Average Day Demand (L/unit/day)	Residential Outdoor Water Demand (OWD) (L/unit/day)[4]	Maximum Day Demand (L/unit/day)	Peak Hour Demand
SFH	180	3.4	612	700	Average Day Demand + OWD	2.1 x Maximum Day Demand
MLT	198	2.7	535	350	Average Day Demand + OWD	2.1 x Maximum Day Demand
MLT without rear yards	198	2.7	535	0	Average Day Demand	1.6 x Maximum Day Demand
APT	219	1.8	394	0	Average Day Demand	1.6 x Maximum Day Demand
EMP[2]	138	1	138	N/A	1.5 x Average Day Demand[5]	1.8 x Maximum Day Demand
Water Loss per connection	N/A	N/A	80	N/A	Average Day Demand	Average Day Demand
Total Demand			**Sum above for Total Average Day**		**Sum above for Total Max Day**	**Sum above for Total Peak Hour**

[1] Values represent L/cap/day for residential land uses and L/emp/day for employment areas.

[2] Apply a rate of 17,000 l/h/day if employment totals are unknown. The rate represents the average demand for ICI areas at the 90th percentile.

[3] Occupancy factors should be chosen according to housing type. The values shown were extracted from Section 4.2.8 of the Ottawa Design Guidelines - Water Distribution (2010)

[4] Outdoor water demand is applied to single family, semi-detached and townhome units with rear yards.

[5] The 1.5 multiplier represents the additional outdoor water demand associated with employment areas.

Ally Marchese

From: Bougadis, John <John.Bougadis@ottawa.ca>
Sent: Thursday, May 23, 2024 4:44 PM
To: Guy Forget
Cc: Karla Ferrey; Tatyana Roumie
Subject: System level demands for Master Planning
Attachments: DraftFinal_SystemLevelDemandParameters_24May2024(JB).xlsx

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Hi Guy,

As promised, I have attached the updated parameters to be used for expansion areas where the population exceeds 3000 persons. Please let me know if the attached table is unclear or if you have any questions or concerns. Kindly resubmit your demands using the updated parameters.

I'll be sending another message tomorrow regarding servicing the ICI areas fronting Borrisokane.

Thanks,

John

From: Guy Forget <gforget@jlrichards.ca>
Sent: Thursday, April 11, 2024 7:23 AM
To: Bougadis, John <John.Bougadis@ottawa.ca>
Cc: Karla Ferrey <kferrey@jlrichards.ca>
Subject: RE: Municipal drainage information and updating existing drainage reports

CAUTION: This email originated from an External Sender. Please do not click links or open attachments unless you recognize the source.
ATTENTION : Ce courriel provient d'un expéditeur externe. Ne cliquez sur aucun lien et n'ouvrez pas de pièce jointe, excepté si vous connaissez l'expéditeur.

Hi John,

I am assuming that the MSS level demands are still in the works? Any thoughts on when we can expect those so that we can update demands and send another BC request?

Thanks

Guy

Guy Forget, P.Eng., LEED AP
Senior Water Resources Engineer

1000-343 Preston Street
Ottawa, ON, K1S 1N4
Work: 343-804-5363
gforget@jlrichards.ca

From: Bougadis, John <John.Bougadis@ottawa.ca>
Sent: Tuesday, April 9, 2024 3:33 PM
To: Guy Forget <gforget@jlrichards.ca>; Bobby Pettigrew <bpettigrew@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>; Magladry, Ryan <ryan.magladry@arcadis.com>; Deir, Peter <peter.deir@arcadis.com>
Cc: van de Lande, Robin <Robin.vandeLande@ottawa.ca>; Zagorski, Joseph <Joseph.Zagorski@ottawa.ca>; Harrold, Eric <eric.harrold@ottawa.ca>; Moore, Erin Jennifer (Roger Stevens) <ErinJennifer.Moore@ottawa.ca>; Ryan, David W <David.Ryan@ottawa.ca>
Subject: Municipal drainage information and updating existing drainage reports

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Hi all,

After meeting with Erin Moore from the Municipal Drainage (MD) unit this afternoon, it has been clarified that only landowners within the MD's catchment area are eligible to request drainage reports. Therefore, Minto must directly send any requests for information to the MD unit (Erin and Dave). Additionally, the MD unit will meet with landowners to provide guidance on the necessary drainage act processes to accommodate the S1- and S2 lands.

Please copy Robin and Infrastructure Planning (Joe, Eric, and I) when emailing the MD group.

Thanks,

John Bougadis, M.A.Sc., P.Eng.
Senior Project Manager, Infrastructure Planning
Asset Management Service
Infrastructure and Water Services Department
City of Ottawa
613.580.2424 ext.14990

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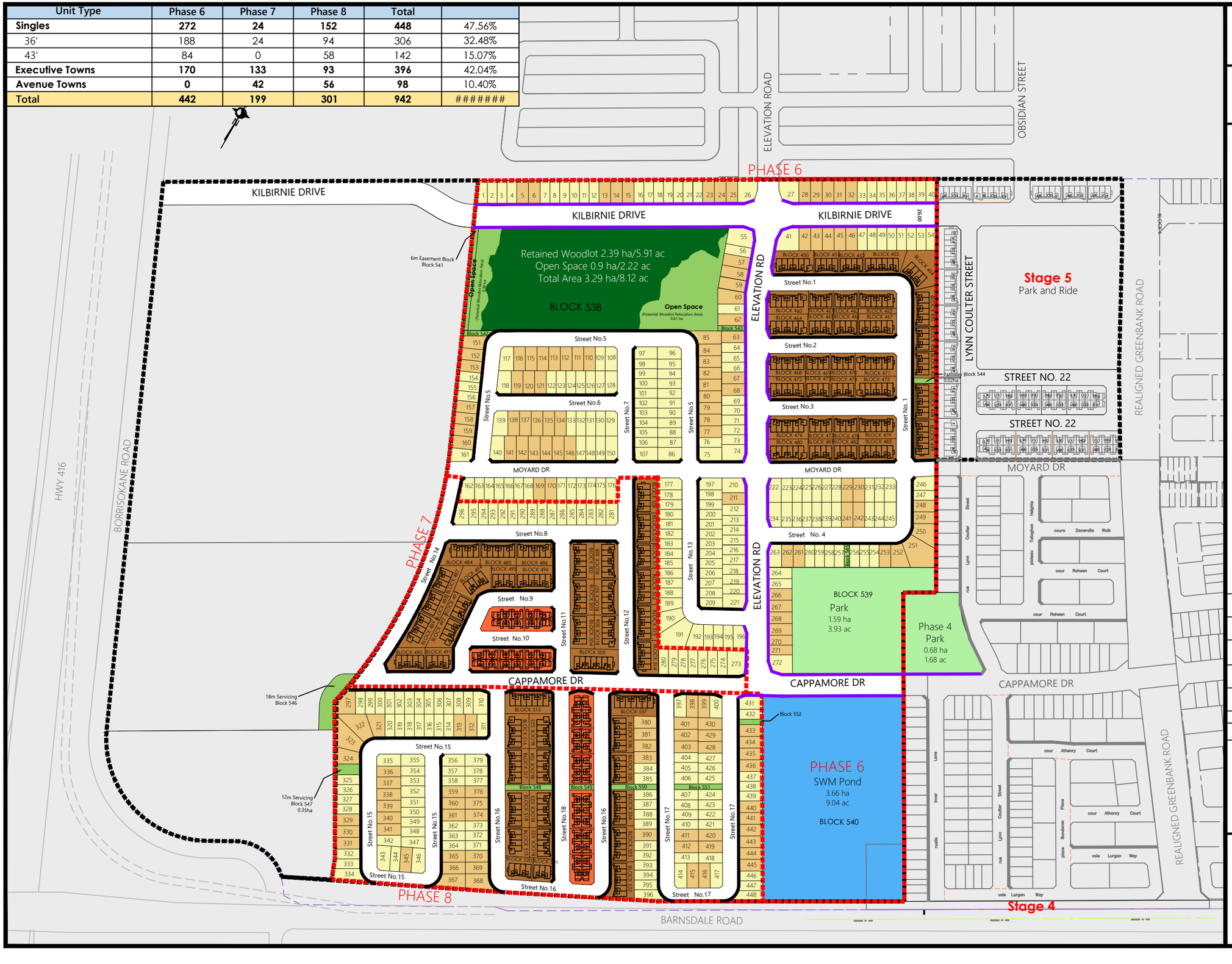
'

Unit Type	Phase 6	Phase 7	Phase 8	Total	
Singles	**272**	**24**	**152**	**448**	47.56%
36'	188	24	94	306	32.48%
43'	84	0	58	142	15.07%
Executive Towns	**170**	**133**	**93**	**396**	42.04%
Avenue Towns	**0**	**42**	**56**	**98**	10.40%
Total	**442**	**199**	**301**	**942**	#######



Title:

Concept 54 - Rev 17

Project:

Quinn's Pointe Phases 6-8

Legend

- Site Boundary
- Phase Line
- 36' Singles
- 43' Singles
- Executive Towns
- Avenue Towns (Back to Backs)
- Rear Lane Towns
- Condos
- SWM Pond
- Parkland
- Open Space
- Industrial
- Woodlot
- Sidewalks
- Sidewalks & Cycle Tracks

*Notes:
- All roads are 18m ROW unless indicated on the plan.
- All singles and executive towns a min. 26m in depth
- All avenues are 27.5m in depth
- The unit count for Metro Town Condos is estimated at a rate of 70 units per 1.00 ha.
- Stage 5 unit count is not included in the park dedication.

No.	Description	Date	By
17	Cappamore Drive Reduced	2026-06-08	E.H
16	Adjustment to Block 51 and 83	2026-06-03	E.H
15	Revised Concept Plan	2026-06-03	KG

Revisions

minto

Drawn By: G.T
Checked By: C.S

Minto Communities Inc
180 Kent Street,
Ottawa, ON
K1P 0B6

North

Scale: **NTS**

WATER DEMAND CALCULATION SHEET

PROJECT : QUINN'S POINTE PHASE 6
LOCATION : CITY OF OTTAWA
DEVELOPER : MINTO COMMUNITIES INC.

NODE	RESIDENTIAL				Park	Commercial	Industrial	AVERAGE DAY			MAXIMUM DAY			PEAK HOUR		
	UNITS			POP'N				DEMAND (L/S)			DEMAND (L/S)			DEMAND (L/S)		
	SFH	EXEC	AVE		(ha.)	(ha.)	(ha.)	Res.	Non-res.	Total	Res.	Non-res.	Total	Res.	Non-res.	Total
J-6	60	118		520				1.32	0.00	1.32	2.28	0.00	2.28	4.62	0.00	4.62
J-10	120	52		550				1.33	0.00	1.33	2.51	0.00	2.51	5.10	0.00	5.10
J-12 (PARK)					1.59			0.00	5.00	5.00	0.00	5.00	5.00	0.00	5.00	5.00
J-20				0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
J-26 (IND.)							13.22	0.00	2.60	2.60	0.00	3.90	3.90	0.00	7.02	7.02
J-29	92			310				0.74	0.00	0.74	1.48	0.00	1.48	3.02	0.00	3.02
QP5 (J-58)		62	84					2.28	0.00	2.28	5.30	0.00	5.30	7.44	0.00	7.44
TOTAL	**272**	**232**	**84**	1,380	**1.59**	**0.00**	**13.22**	5.67	7.60	**13.27**	11.58	8.90	**20.48**	20.18	12.02	**32.20**

SYSTEM-LEVEL DEMAND PARAMETERS

RESIDENTIAL/COMMERCIAL TYPE

Type	Avg Usage (L/cap/d)	ppu	Avg Day Usage (L/unit/day)	Water Loss Per Connection (L/unit/day)	Avg. Day Demand (res: L/unit/day) (comm: L/ha/d)	Residential Outdoor Water Demand (OWD) (res: L/unit/day) (comm: L/ha/d)	Max. Day Demand (res: L/unit/day) (comm: L/ha/d)	Peak Hour Peaking Factor	Peak Hour Demand (res: L/unit/day) (comm: L/ha/d)
Singles (SFH)	180	3.4	612	80	692	700	1,392	2.1 x MDD	2923
Executive and Avenue Towns (EXEC & AT)	198	2.7	535	80	615	350	965	2.1 x MDD	2026
Metro (w/o rear yards)/Stacked Towns/Duplex	219	2.3	504	80	584	0	584	1.6 x MDD	934
Commercial/EMP	N/A	N/A	N/A	N/A	17,000	N/A	25,500	1.8 x MDD	45900

PARK WITH SPLASH PAD 4 L / s
*Constant flow rate added to Junction

PARK AND RIDE 1 L / s
*Constant flow rate added to Junction

WATER DEMAND CALCULATION SHEET

PROJECT : QUINN'S POINTE PHASE 7
LOCATION : CITY OF OTTAWA
DEVELOPER : MINTO COMMUNITIES INC.

NODE	RESIDENTIAL				Park	Commercial	Industrial	AVERAGE DAY			MAXIMUM DAY			PEAK HOUR		
	UNITS			POP'N				DEMAND (L/S)			DEMAND (L/S)			DEMAND (L/S)		
	SFH	EXEC	AVE		(ha.)	(ha.)	(ha.)	Res.	Non-res.	Total	Res.	Non-res.	Total	Res.	Non-res.	Total
J-30	24	133	42	550				1.44	0.00	1.44	2.34	0.00	2.34	4.71	0.00	4.71
J-32				0				0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL	**24**	**133**	**42**	550	**0.00**	**0.00**	**0.00**	1.44	0.00	1.44	2.34	0.00	2.34	4.71	0.00	4.71
TOTAL PHASE 6-7										**14.70**			**22.82**			**36.91**

SYSTEM-LEVEL DEMAND PARAMETERS

RESIDENTIAL/COMMERCIAL TYPE

Type	Avg Usage (L/cap/d)	ppu	Avg Day Usage (L/unit/day)	Water Loss Per Connection (L/unit/day)	Avg. Day Demand (res: L/unit/day) (comm: L/ha/d)	Residential Outdoor Water Demand (OWD) (res: L/unit/day) (comm: L/ha/d)	Max. Day Demand (res: L/unit/day) (comm: L/ha/d)	Peak Hour Peaking Factor	Peak Hour Demand (res: L/unit/day) (comm: L/ha/d)
Singles (SFH)	180	3.4	612	80	692	700	1,392	2.1 x MDD	2923
Executive and Avenue Towns (EXEC & AT)	198	2.7	535	80	615	350	965	2.1 x MDD	2026
Metro (w/o rear yards)/Stacked Towns/Duplex	219	2.3	504	80	584	0	584	1.6 x MDD	934
Commercial/EMP	N/A	N/A	N/A	N/A	17,000	N/A	25,500	1.8 x MDD	45900

PARK WITH SPLASH PAD 4 L / s
*Constant flow rate added to Junction

PARK AND RIDE 1 L / s

*Constant flow rate added to Junction

WATER DEMAND CALCULATION SHEET

PROJECT : QUINN'S POINTE PHASE 8
LOCATION : CITY OF OTTAWA
DEVELOPER : MINTO COMMUNITIES INC.

NODE	RESIDENTIAL UNITS SFH	RESIDENTIAL UNITS EXEC	RESIDENTIAL UNITS AVE	RESIDENTIAL POP'N	Park (ha.)	Commercial (ha.)	Industrial (ha.)	AVERAGE DAY DEMAND (L/S) Res.	AVERAGE DAY DEMAND (L/S) Non-res.	AVERAGE DAY DEMAND (L/S) Total	MAXIMUM DAY DEMAND (L/S) Res.	MAXIMUM DAY DEMAND (L/S) Non-res.	MAXIMUM DAY DEMAND (L/S) Total	PEAK HOUR DEMAND (L/S) Res.	PEAK HOUR DEMAND (L/S) Non-res.	PEAK HOUR DEMAND (L/S) Total
J-13	82	32	0	370				0.88	0.00	0.88	1.68	0.00	1.68	3.41	0.00	3.41
J-22	70	61	56	550				1.39	0.00	1.39	2.43	0.00	2.43	4.92	0.00	4.92
J-28 (IND.)							3.19	0.00	0.63	0.63	0.00	0.94	0.94	0.00	1.69	1.69
TOTAL	**152**	**93**	**56**	920	**0.00**	**0.00**	**3.19**	2.28	0.63	2.91	4.11	0.94	5.05	8.33	1.69	10.02
TOTAL PHASE 6-8										**17.61**			**27.88**			**46.94**

SYSTEM-LEVEL DEMAND PARAMETERS

RESIDENTIAL/COMMERCIAL TYPE

Type	Avg Usage (L/cap/d)	ppu	Avg Day Usage (L/unit/day)	Water Loss Per Connection (L/unit/day)	Avg. Day Demand (res: L/unit/day) (comm: L/ha/d)	Residential Outdoor Water Demand (OWD) (res: L/unit/day) (comm: L/ha/d)	Max. Day Demand (res: L/unit/day) (comm: L/ha/d)	Peak Hour Peaking Factor	Peak Hour Demand (res: L/unit/day) (comm: L/ha/d)
Singles (SFH)	180	3.4	612	80	692	700	1,392	2.1 x MDD	2923
Executive and Avenue Towns (EXEC & AT)	198	2.7	535	80	615	350	965	2.1 x MDD	2026
Metro (w/o rear yards)/Stacked Towns/Duplex	219	2.3	504	80	584	0	584	1.6 x MDD	934
Commercial/EMP	N/A	N/A	N/A	N/A	17,000	N/A	25,500	1.8 x MDD	45900

PARK WITH SPLASH PAD 4 L / s
*Constant flow rate added to Junction

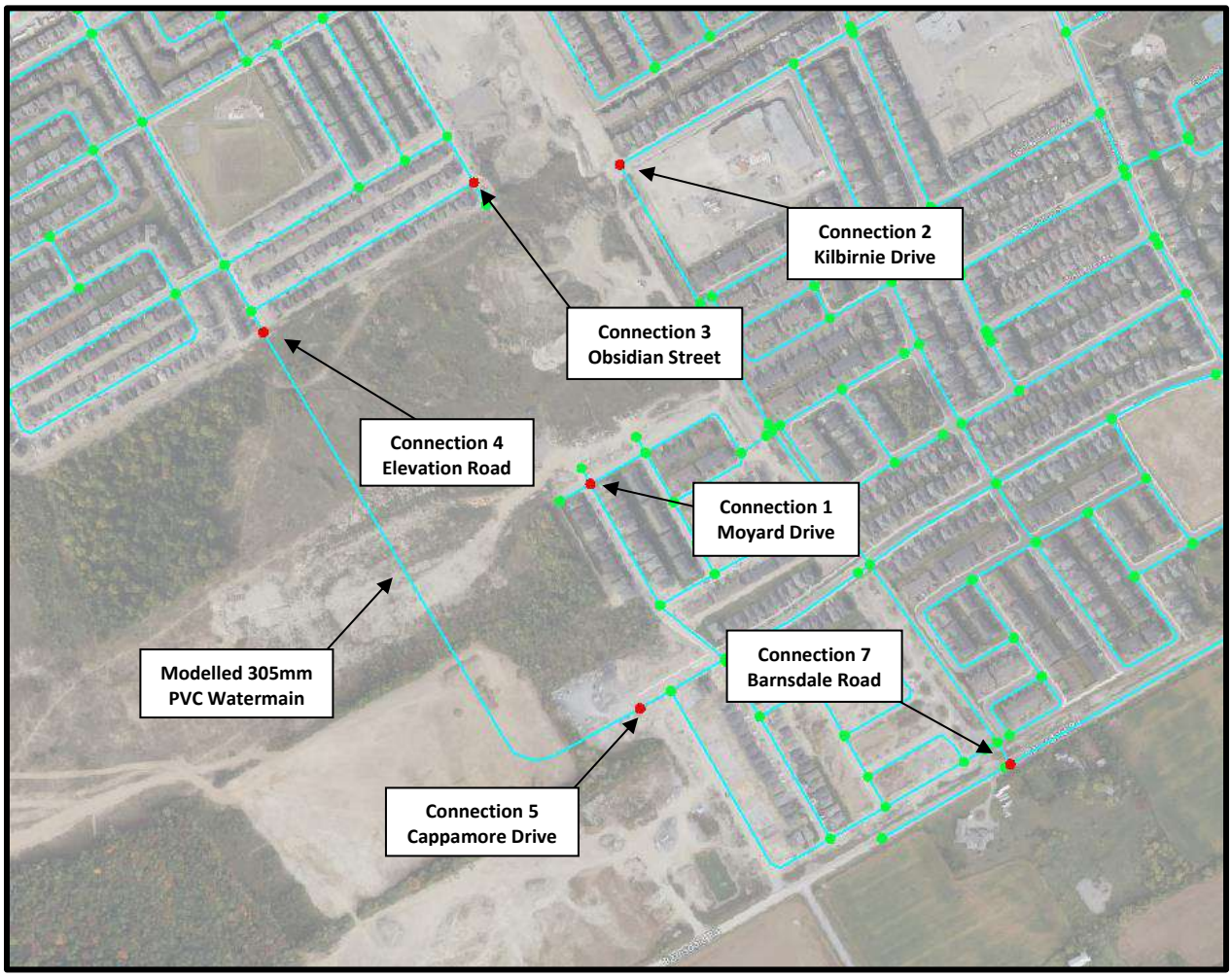
PARK AND RIDE 1 L / s
*Constant flow rate added to Junction

Boundary Conditions
S1 UEA – 2025 Update
November 2025

Provided Information

Scenario	Demand	
	L/min	L/s
Average Daily Demand	1,001	16.69
Maximum Daily Demand	1,474	24.56
Peak Hour	2,608	43.47
Fire Flow Demand #1	10,000	166.67
Fire Flow Demand #2	13,000	216.67

Location



Results

Scenario 1 – Existing Conditions – 5 connections

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.4	64.2
Peak Hour	135.3	36.9
Max Day plus Fire Flow #1	133.3	34.2
Max Day plus Fire Flow #2	127.1	25.3
[1] Ground Elevation =	109.3	m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.4	67.6
Peak Hour	135.3	40.4
Max Day plus Fire Flow #1	133.7	38.1
Max Day plus Fire Flow #2	127.6	29.4
[1] Ground Elevation =	106.9	m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.4	66.5
Peak Hour	135.3	39.3
Max Day plus Fire Flow #1	133.9	37.4
Max Day plus Fire Flow #2	128.0	29.0
[1] Ground Elevation =	107.7	m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.4	64.2
Peak Hour	135.3	37.0
Max Day plus Fire Flow #1	134.2	35.4
Max Day plus Fire Flow #2	128.5	27.3
[1] Ground Elevation =	109.3	m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.4	73.1
Peak Hour	135.3	45.8
Max Day plus Fire Flow #1	134.6	44.9
Max Day plus Fire Flow #2	129.1	37.1
[1] Ground Elevation =	103.0	m

Scenario 2 – Existing Conditions – 6 connections

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	153.1	62.3
Peak Hour	138.6	41.6
Max Day plus Fire Flow #1	133.6	34.6
Max Day plus Fire Flow #2	127.5	25.8

[1] Ground Elevation = 109.3 m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	153.1	65.7
Peak Hour	138.6	45.1
Max Day plus Fire Flow #1	133.9	38.4
Max Day plus Fire Flow #2	127.8	29.8

[1] Ground Elevation = 106.9 m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	153.1	64.7
Peak Hour	138.6	44.0
Max Day plus Fire Flow #1	134.2	37.8
Max Day plus Fire Flow #2	128.3	29.4

[1] Ground Elevation = 107.7 m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	153.1	62.3
Peak Hour	138.6	41.7
Max Day plus Fire Flow #1	134.5	35.9
Max Day plus Fire Flow #2	128.8	27.8

[1] Ground Elevation = 109.3 m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	153.1	71.2
Peak Hour	138.6	50.5
Max Day plus Fire Flow #1	134.9	45.3
Max Day plus Fire Flow #2	129.5	37.6

[1] Ground Elevation = 103.0 m

Connection 7 - Barnsdale Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	153.1	68.3
Peak Hour	138.6	47.6
Max Day plus Fire Flow #1	134.5	41.8
Max Day plus Fire Flow #2	128.8	33.8
[1] Ground Elevation =	105.1	m

Scenario 3 – Future SUC – 5 connections

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	53.1
Peak Hour	137.6	40.3
Max Day plus Fire Flow #1	133.8	34.9
Max Day plus Fire Flow #2	129.4	28.5
[1] Ground Elevation =	109.3	m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	56.6
Peak Hour	137.7	43.9
Max Day plus Fire Flow #1	134.2	38.8
Max Day plus Fire Flow #2	129.8	32.6
[1] Ground Elevation =	106.9	m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	55.5
Peak Hour	137.7	42.7
Max Day plus Fire Flow #1	134.4	38.1
Max Day plus Fire Flow #2	130.2	32.1
[1] Ground Elevation =	107.7	m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	53.2
Peak Hour	137.6	40.3
Max Day plus Fire Flow #1	134.7	36.1
Max Day plus Fire Flow #2	130.7	30.4
[1] Ground Elevation =	109.3	m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	62.1
Peak Hour	137.6	49.2
Max Day plus Fire Flow #1	135.1	45.6
Max Day plus Fire Flow #2	131.4	40.3
[1] Ground Elevation =	103.0	m

Scenario 4 – Future SUC – 6 connections

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	53.1
Peak Hour	137.8	40.5
Max Day plus Fire Flow #1	134.0	35.1
Max Day plus Fire Flow #2	129.6	28.8
[1] Ground Elevation =	109.3	m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	56.6
Peak Hour	137.9	44.1
Max Day plus Fire Flow #1	134.3	39.0
Max Day plus Fire Flow #2	130.0	32.8
[1] Ground Elevation =	106.9	m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	55.5
Peak Hour	137.8	42.9
Max Day plus Fire Flow #1	134.6	38.3
Max Day plus Fire Flow #2	130.5	32.4
[1] Ground Elevation =	107.7	m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	53.2
Peak Hour	137.8	40.6
Max Day plus Fire Flow #1	134.9	36.4
Max Day plus Fire Flow #2	130.9	30.8
[1] Ground Elevation =	109.3	m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	62.1
Peak Hour	137.8	49.4
Max Day plus Fire Flow #1	135.2	45.8
Max Day plus Fire Flow #2	131.6	40.6
[1] Ground Elevation =	103.0	m

Connection 7 - Barnsdale Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	146.7	59.1
Peak Hour	137.8	46.5
Max Day plus Fire Flow #1	134.9	42.3
Max Day plus Fire Flow #2	131.0	36.8
[1] Ground Elevation =	105.1	m

Notes

1. Only connections off the public looped system are eligible for boundary conditions. The engineer must calculate headloss off the dead-end main. Proposed Connections 1 & 6 at existing water stubs off Lynn Coulter Street & Moyard Drive are not looped. For the purposes of this boundary condition request, proposed Connections 1 & 6 were combined to a single **Connection 1 – Moyard Drive**, off the public looped watermains. Because of this change, Scenarios 1 & 3 were dropped from 6 to 5 total connections and Scenarios 2 & 4 were dropped from 7 to 6 total connections.
2. Demands for proposed Connection 7 at existing water main along Barnsdale Road were assigned to upstream junction at Realigned Greenbank Road & Barnsdale Road off the public looped watermains. The engineer must calculate headloss off the dead-end main.
3. As per the Ontario Building Code in areas that may be occupied, the static pressure at any fixture shall not exceed 552 kPa (80 psi.) Pressure control measures to be considered are as follows, in order of preference:
    - If possible, systems to be designed to residual pressures of 345 to 552 kPa (50 to 80 psi) in all occupied areas outside of the public right-of-way without special pressure control equipment.
    - Pressure reducing valves to be installed immediately downstream of the isolation valve in the home/ building, located downstream of the meter so it is owner maintained.

Disclaimer

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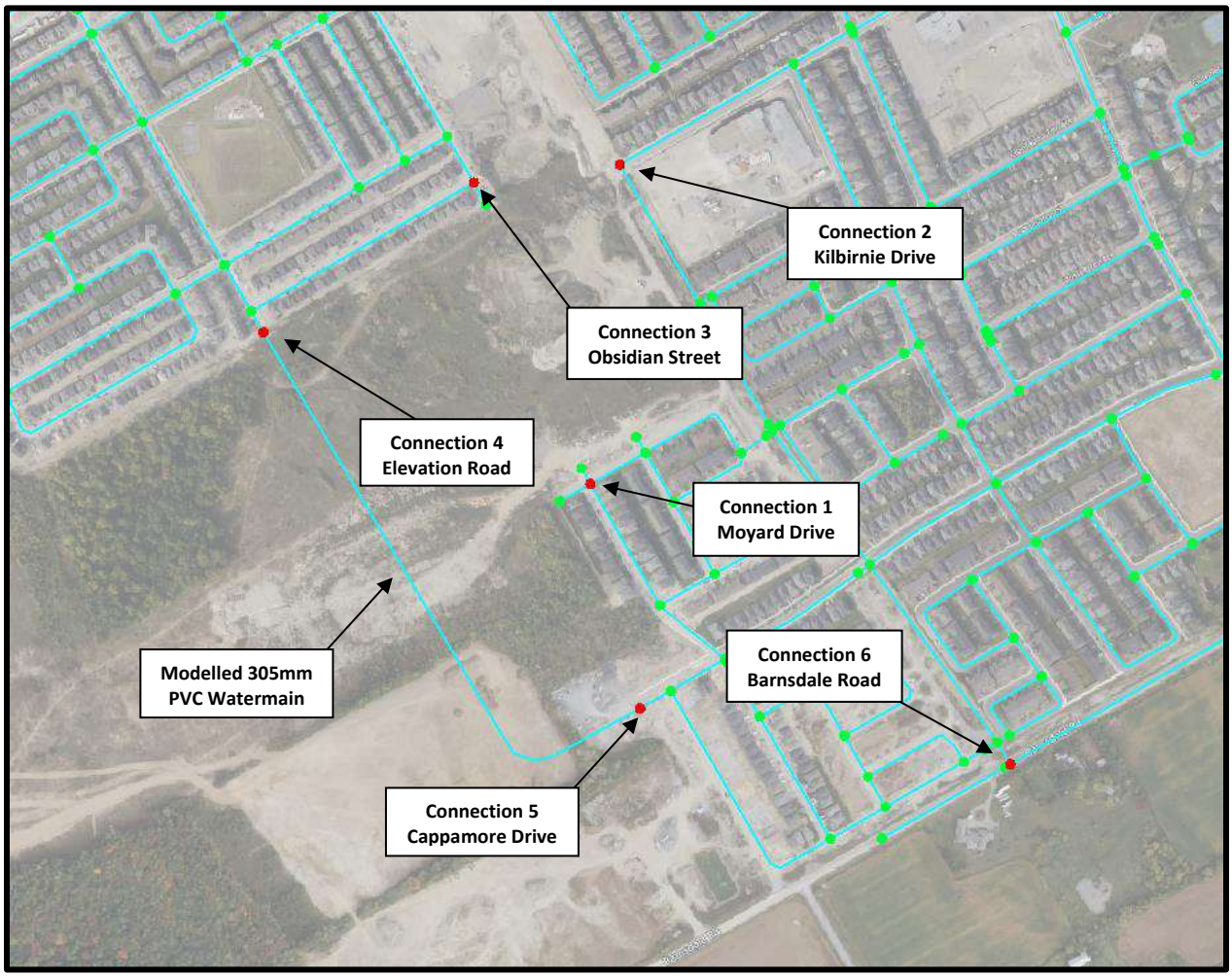
Boundary Conditions
S1 UEA – Stages 5-6
November 2025

Provided Information

Scenario	Demand	
	L/min	L/s
Average Daily Demand	569	9.49
Maximum Daily Demand	770	12.84
Peak Hour	1,250	20.84
Fire Flow Demand #1	10,000	166.67
Fire Flow Demand #2	13,000	216.67

Location



Results

Existing Conditions

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	155.0	64.9
Peak Hour	139.3	42.7
Max Day plus Fire Flow #1	135.1	36.6
Max Day plus Fire Flow #2	129.1	28.1

[1] Ground Elevation = 109.3 m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	155.0	68.4
Peak Hour	139.3	46.1
Max Day plus Fire Flow #1	135.3	40.3
Max Day plus Fire Flow #2	129.3	31.9

[1] Ground Elevation = 106.9 m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	155.0	67.3
Peak Hour	139.3	45.1
Max Day plus Fire Flow #1	135.6	39.7
Max Day plus Fire Flow #2	129.9	31.6

[1] Ground Elevation = 107.7 m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	155.0	65.0
Peak Hour	139.3	42.7
Max Day plus Fire Flow #1	135.9	37.8
Max Day plus Fire Flow #2	130.4	30.0

[1] Ground Elevation = 109.3 m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	155.0	73.8
Peak Hour	139.3	51.6
Max Day plus Fire Flow #1	136.3	47.3
Max Day plus Fire Flow #2	131.0	39.8

[1] Ground Elevation = 103.0 m

Connection 6 - Barnsdale Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	155.0	70.9
Peak Hour	139.3	48.7
Max Day plus Fire Flow #1	135.9	43.8
Max Day plus Fire Flow #2	130.4	36.0
[1] Ground Elevation =	105.1	m

Future SUC

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	53.7
Peak Hour	138.9	42.1
Max Day plus Fire Flow #1	134.8	36.2
Max Day plus Fire Flow #2	130.5	30.2
[1] Ground Elevation =	109.3	m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	57.2
Peak Hour	139.0	45.6
Max Day plus Fire Flow #1	135.0	39.9
Max Day plus Fire Flow #2	130.8	34.0
[1] Ground Elevation =	106.9	m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	56.1
Peak Hour	139.0	44.5
Max Day plus Fire Flow #1	135.3	39.3
Max Day plus Fire Flow #2	131.3	33.6
[1] Ground Elevation =	107.7	m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	53.8
Peak Hour	138.9	42.2
Max Day plus Fire Flow #1	135.6	37.4
Max Day plus Fire Flow #2	131.8	32.0
[1] Ground Elevation =	109.3	m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	62.7
Peak Hour	138.9	51.0
Max Day plus Fire Flow #1	136.0	46.9
Max Day plus Fire Flow #2	132.5	41.9
[1] Ground Elevation =	103.0	m

Connection 6 - Barnsdale Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	59.7
Peak Hour	138.9	48.1
Max Day plus Fire Flow #1	135.6	43.4
Max Day plus Fire Flow #2	131.9	38.1
[1] Ground Elevation =	105.1	m

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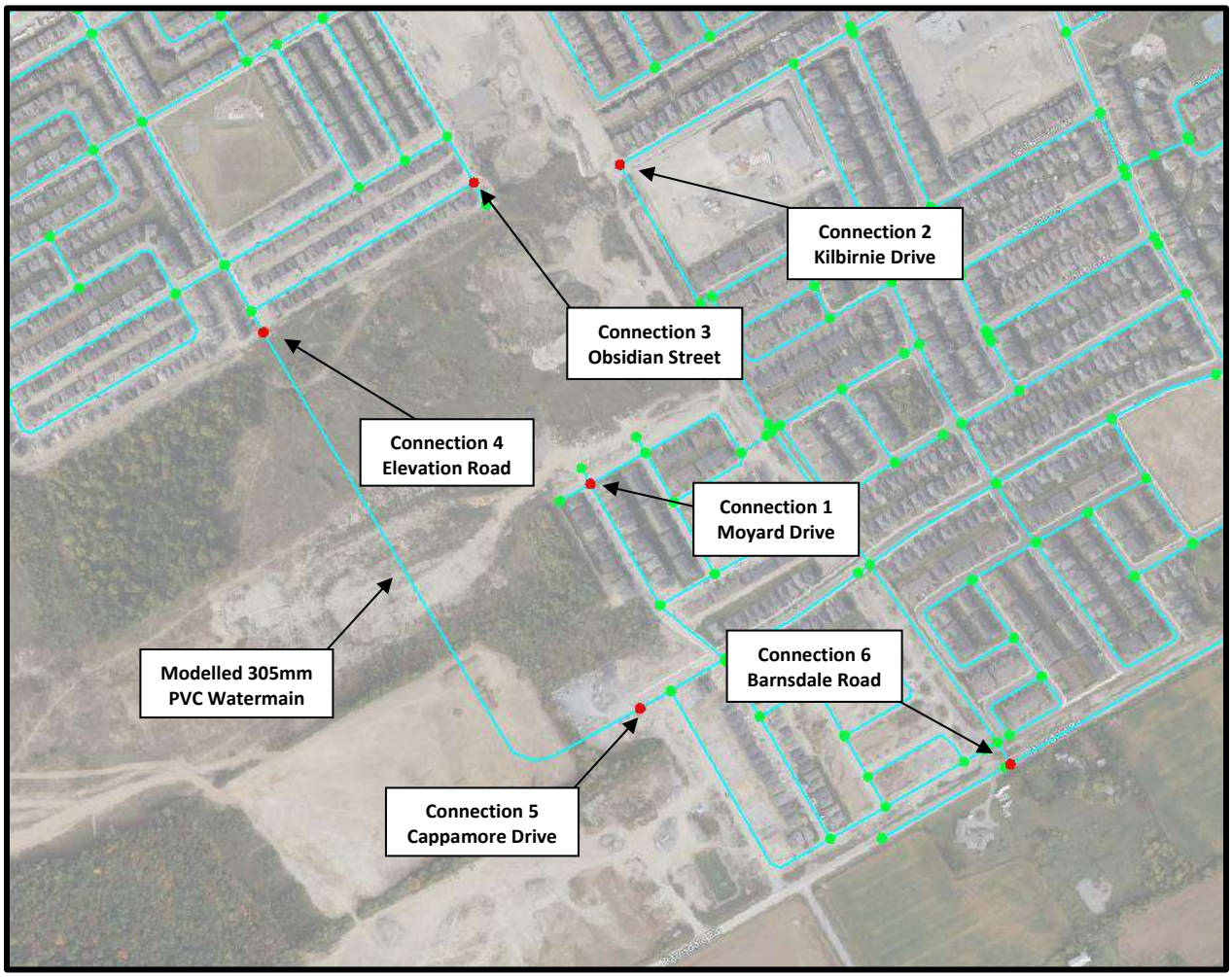
Boundary Conditions
S1 UEA – Stages 5-7
August 2025

Provided Information

Scenario	Demand	
	L/min	L/s
Average Daily Demand	679	11.31
Maximum Daily Demand	950	15.84
Peak Hour	1,613	26.89
Fire Flow Demand #1	10,000	166.67
Fire Flow Demand #2	13,000	216.67

Location



Results

Existing Conditions

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.3	64.0
Peak Hour	136.3	38.3
Max Day plus Fire Flow #1	134.7	36.1
Max Day plus Fire Flow #2	128.7	27.5

[1] Ground Elevation = 109.3 m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.3	67.4
Peak Hour	136.3	41.8
Max Day plus Fire Flow #1	134.9	39.8
Max Day plus Fire Flow #2	128.9	31.4

[1] Ground Elevation = 106.9 m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.3	66.3
Peak Hour	136.3	40.7
Max Day plus Fire Flow #1	135.2	39.2
Max Day plus Fire Flow #2	129.5	31.0

[1] Ground Elevation = 107.7 m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.3	64.0
Peak Hour	136.3	38.4
Max Day plus Fire Flow #1	135.5	37.3
Max Day plus Fire Flow #2	130.0	29.4

[1] Ground Elevation = 109.3 m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.3	72.9
Peak Hour	136.3	47.2
Max Day plus Fire Flow #1	135.9	46.8
Max Day plus Fire Flow #2	130.6	39.2

[1] Ground Elevation = 103.0 m

Connection 6 - Barnsdale Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.3	70.0
Peak Hour	136.3	44.3
Max Day plus Fire Flow #1	135.5	43.3
Max Day plus Fire Flow #2	130.0	35.4
[1] Ground Elevation =	105.1	m

Future SUC

Connection 1 - Moyard Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	53.7
Peak Hour	138.6	41.7
Max Day plus Fire Flow #1	134.6	35.9
Max Day plus Fire Flow #2	130.3	29.9
[1] Ground Elevation =	109.3	m

Connection 2 - Kilbirnie Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	57.2
Peak Hour	138.7	45.2
Max Day plus Fire Flow #1	134.8	39.7
Max Day plus Fire Flow #2	130.6	33.7
[1] Ground Elevation =	106.9	m

Connection 3 - Obsidian Street

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	56.1
Peak Hour	138.7	44.1
Max Day plus Fire Flow #1	135.1	39.0
Max Day plus Fire Flow #2	131.1	33.3
[1] Ground Elevation =	107.7	m

Connection 4 - Elevation Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	53.8
Peak Hour	138.7	41.8
Max Day plus Fire Flow #1	135.4	37.1
Max Day plus Fire Flow #2	131.6	31.7
[1] Ground Elevation =	109.3	m

Connection 5 - Cappamore Drive

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	62.6
Peak Hour	138.6	50.6
Max Day plus Fire Flow #1	135.8	46.6
Max Day plus Fire Flow #2	132.3	41.6
[1] Ground Elevation =	103.0	m

Connection 6 - Barnsdale Road

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	147.1	59.7
Peak Hour	138.6	47.7
Max Day plus Fire Flow #1	135.4	43.1
Max Day plus Fire Flow #2	131.7	37.8
[1] Ground Elevation =	105.1	m

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Outlook

Re: S1 Lands - Boundary Condition Request

From Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Date Fri 2025-11-21 4:13 PM
To Ally Marchese <amarchese@jlrichards.ca>
Cc Catherine Tremblay <c.tremblay@minto.com>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>; Bougadis, John <John.Bougadis@ottawa.ca>; Razafimaharo, Christene <christene.razafimaharo@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>

3 attachments (794 KB)

S1_5-6 UEA 2025 Update BC (4Nov2025).pdf; S1_5-7 UEA 2025 Update BC (4Nov2025).pdf; S1_5-8 UEA 2025 Update BC (4Nov2025).pdf;

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Hi Ally,

Concerning the increase in HGLs between scenarios 5-7 & 5-8 despite the increase in demands, we can confirm that this is due to the pump controls at the Barrhaven PS in the model. With the increased demands in Scenario 5-8, more pumps were operating simultaneously for a longer duration than under Scenario 5-7, which resulted in higher HGLs under peak hour.

For your second question, thank you for catching this! It was, indeed, a typo. My apologies for the mistake. You can find the fixed and reviewed BC results attached.

I hope this addresses your concerns properly. Have a great weekend!

Gianmarco

From: Ally Marchese <amarchese@jlrichards.ca>
Sent: Friday, November 21, 2025 10:48 AM
To: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Cc: Catherine Tremblay <c.tremblay@minto.com>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>; Bougadis, John <John.Bougadis@ottawa.ca>; Razafimaharo, Christene <christene.razafimaharo@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>
Subject: RE: S1 Lands - Boundary Condition Request

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Hi Gianmarco,

Thank you for all your assistance with the boundary conditions and for the open discussion on the boundary condition approach!

I have reviewed the boundary conditions and had a couple questions.

1. We noticed under the existing conditions, the head and pressure were lower under the phase 5-7 buildout then the phase 5-8 buildout. Would you be able to explain this?
2. The maximum HGL pressure under phase 5-7 does not seem to match with the head, could you kindly confirm if this is just a typo?

Connection 5 - Cappamore Drive Stage 5-7

Demand Scenario	Head (m)	Pressure[1] (psi)
Maximum HGL	154.3	64.0
Peak Hour	136.3	38.4
Max Day plus Fire Flow #1	135.5	37.3
Max Day plus Fire Flow #2	130.0	29.4
[1] Ground Elevation =	103.0	m

Thank you again,
Ally

Ally Marchese, P.Eng.
Civil Engineer

1000-343 Preston Street
Ottawa ON K1S 1N4
Work: 343-492-2536
amarchese@jlrichards.ca

From: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Sent: Thursday, November 20, 2025 9:51 AM
To: Ally Marchese <amarchese@jlrichards.ca>
Cc: Catherine Tremblay <c.tremblay@minto.com>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>; Bougadis, John <John.Bougadis@ottawa.ca>; Razafimaharo, Christene <christene.razafimaharo@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>
Subject: Re: S1 Lands - Boundary Condition Request

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Good morning Ally,

Please find attached the BC results for all 3 requested stages.

As per our discussion concerning the City's BC methodology and the potential of applying a central node method, I wanted to thank you again for the discussion on the approach, it allowed us to have internal discussion across the wider City team on our Boundary Conditions methodology. Given uncertainty with looping and our limitations with only modelling up to the limit of the public network, we are comfortable continuing with our approach of averaging the demand across nodes. The main risk for the City is making any assumptions on internal looping, and we want to ensure we maintain a precedent across all incoming applications. But we welcome any continued feedback on the process

I hope this helps.

Thanks,

Gianmarco Maggiore

From: Ally Marchese <amarchese@jlrichards.ca>
Sent: Wednesday, November 5, 2025 8:57 AM
To: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Cc: Catherine Tremblay <c.tremblay@minto.com>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>
Subject: RE: S1 Lands - Boundary Condition Request

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Hi Gianmarco,

We are requesting updated boundary conditions for the Barrhaven S1 lands to account for the phasing, based on the system-level parameters provided by the City of Ottawa given that Stage 5 – Stage 8 exceeds an equivalent population of 3,000 people.

As outlined in the previous boundary condition request (see below), the subject site is located north of Barnsdale Road, east of Borrisokane Road, south of the existing The Ridge Subdivision and west of the existing Quinn's pointe Subdivision.

Please note that since Quinn's Pointe Stage 5 is still under City review, its associated demands and connection points have been included in this request. The connection points have also been slightly revised from our previous submission to reflect the City's recommendations.

The following provides the calculated demands and the fire flow requirements for Stages 5-6, Stages 5-7, and Stages 5-8. We kindly request boundary conditions under high pressure, peak hour, and maximum day + fire flow conditions (for each of the below fire flows). Domestic water demand and fire flow calculations are attached.

Stages 5-6:

Average Day Demand = 9.49 L/s

Maximum Day Demand = 12.84 L/s

Peak Hour Demand = 20.84 L/s

Fire Flow 1 = 167 L/s

Fire Flow 2 = 217 L/s

Stages 5-7:

Average Day Demand = 11.31 L/s

Maximum Day Demand = 15.84 L/s

Peak Hour Demand = 26.89 L/s

Fire Flow 1 = 167 L/s

Fire Flow 2 = 217 L/s

Stages 5-8:

Average Day Demand = 13.62 L/s

Maximum Day Demand = 20.02 L/s

Peak Hour Demand = 35.35 L/s

Fire Flow 1 = 167 L/s

Fire Flow 2 = 217 L/s

Based on the above demands, please provide boundary conditions at the proposed connection locations listed below under both existing and future pressure zones (see attached) and note each connection will be looped through the subject lands via 300 mm trunk watermains:

- Location 1 – Connection to existing 300 mm WM at Moyard Drive and Lynn Coulter Street;
- Location 2 – Connection to existing 300 mm WM at Kilbirnie Drive;
- Location 3 – Connection to existing 300 mm WM at Obsidian Street;
- Location 4 – Connection to existing 300 mm WM at Elevation Road;
- Location 5 – Connection to existing 300 mm WM at Cappamore Drive; and
- Location 6 – Connection to existing 200 mm WM at Barnsdale Road.

We appreciate your help with this request. If you have any questions, please feel free to reach out.

Thank you,

Ally

Ally Marchese, P.Eng.
Civil Engineer

1000-343 Preston Street
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Work: 343-492-2536
amarchese@jlrichards.ca

From: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Sent: Friday, September 26, 2025 3:06 PM
To: Ally Marchese <amarchese@jlrichards.ca>
Cc: Bougadis, John <John.Bougadis@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>; Mahad Musse <mmusse@jlrichards.ca>
Subject: Re: S1 Lands - Boundary Condition Request

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Hi Ally,

Please find the updated BC results attached with the looped 300mm WM included as requested.

A couple of notes on the results:

- As the 300mm WM was included, the connection locations 4 & 5 were moved to their originally requested locations (because they are now part of the looped network).
- We see a generally higher HGL throughout the entire boundary condition except at connection 4's new location. This is due to the increase in node elevation compared to its previous location. The node elevations are pulled from our DEM.

Please let me know if you have any questions,

Gianmarco

Classified as City of Ottawa - Internal / Ville d'Ottawa - classé interne

---

From: Ally Marchese <amarchese@jlrichards.ca>
Sent: Thursday, September 25, 2025 11:25 AM
To: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Cc: Bougadis, John <John.Bougadis@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>; Mahad Musse <mmusse@jlrichards.ca>
Subject: RE: S1 Lands - Boundary Condition Request

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Hi Gianmarco,

Thanks for the clarification.

I just wanted to follow up on the progress of the updated boundary conditions with the 300mm watermain in the model.

Appreciate your help with this.

Thank you,

Ally

Ally Marchese, B.A.Sc., EIT
Civil Engineering Graduate

1000-343 Preston Street
Ottawa ON K1S 1N4
Work: 343-492-2536
amarchese@jlrichards.ca

From: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Sent: Friday, September 12, 2025 4:47 PM
To: Ally Marchese <amarchese@jlrichards.ca>
Cc: Bougadis, John <John.Bougadis@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>; Mahad Musse <mmusse@jlrichards.ca>
Subject: Re: S1 Lands - Boundary Condition Request

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Good afternoon Ally,

Sorry for the confusion concerning the results. The differences in results comes down to the Infrastructure & Water Services Dept updating our base water boundary conditions (BC) model. The previous BC results were provided using the old BC model. These updated results are using the new updated BC model. The drop in HGLs can be entirely explained by these factors which were the result of our base model update:

- Under existing conditions scenarios, the pump control rules at Barrhaven PS were updated to better reflect the real-life configuration of the 3SW pressure zone and the relationship between the Moodie Tank and the Barrhaven PS. This resulted in around a 3-meter drop in HGLs throughout the zone during Max Day scenarios. This change only affected existing conditions scenarios (pre SUC zone reconfig) and the 3-meter drop in HGLs can be noticed by comparing the Max HGL results from the previous model results to the updated model results.
- The demands on all nodes throughout the model were updated with our most recent data. These updated demands influenced Max Day demand HGLs throughout the model, but especially in zone 3SW. The nodes surrounding the S1 UEA lands previously had zero demands (new developments growth). This updated model, thus, had a significant increase in neighboring demands. These increases were updated for pre SUC zone reconfig and post-SUC zone reconfig scenarios.

We've verified the previous boundary condition results model with this updated model and can attribute all the head loss, despite the decreased demands and the additional connection locations, to these stated factors above. Apologies for the confusion, I should've explained these changes when sharing the updated results.

Concerning your second point about the addition of the 300mm watermain in the model, I will run new results with this addition and share them with you.

Hopefully this clears things up. Have a great weekend,

Gianmarco

From: Ally Marchese <amarchese@jlrichards.ca>
Sent: Friday, September 12, 2025 9:04 AM
To: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Cc: Bougadis, John <John.Bougadis@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>; Mahad Musse <mmusse@jlrichards.ca>
Subject: RE: S1 Lands - Boundary Condition Request

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Hi Gianmarco,

Thank you for sending over the updated boundary conditions, we appreciate the quick turnaround from the City

We've had a chance to review the information and after comparing it with the boundary conditions we received in June 2024 (attached for your reference) for the same project, we just had a few follow-up comments that we would like to clarify. I've attached the previous boundary conditions for reference.

1. Upon comparing the two sets of boundary conditions, we observed a reduction in pressures in the updated boundary condition (from Sept 2025), summarized as follows:
    - An average decrease of approximately 4 psi (27 kPa) in the maximum HGL scenario
    - An average decrease of approximately 2 psi (14 kPa) in the peak hour scenario
    - An average decrease of approximately 10 psi (69 kPa) in the maximum day plus fire flow scenario

    We understand that the Tullaghan connection was removed in the latest boundary condition request, however, given its proximity to the Moyard connection, we were not expecting such a noticeable reduction in pressure. In addition, the total demands for the development have decreased.

2. As part of this development, Elevation Road and Cappamore Drive are proposed to be extended from the existing subdivisions. As both are classified as collector roads, it is anticipated that a 300 mm diameter trunk

watermain will be required to service these extensions. If this has not already been taken into account, could you please consider it in the boundary conditions results?

We appreciate your help with this. If you have any questions please let me know.

Thank you,

Ally

Ally Marchese, B.A.Sc., EIT
Civil Engineering Graduate

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Work: 343-492-2536
amarchese@jlrichards.ca

From: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Sent: Tuesday, September 9, 2025 3:59 PM
To: Ally Marchese <amarchese@jlrichards.ca>
Cc: Bougadis, John <John.Bougadis@ottawa.ca>; Kader, Ryan <ryan.kader@ottawa.ca>
Subject: Re: S1 Lands - Boundary Condition Request

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Good afternoon Ally,

Please find the completed BC attached. Please note, as mentioned in the notes, the combination of proposed connections 1 & 6 into a single connection since our group only completes BC results off the public looped watermains.

Please let me know if you have any questions.

Thanks,

Gianmarco

From: Ally Marchese <amarchese@jlrichards.ca>
Sent: Tuesday, September 9, 2025 3:12 PM
To: Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Cc: Curtiss Scarlett <cscarlett@minto.com>; EHarrington@minto.com <EHarrington@minto.com>; Mahad Musse <mmusse@jlrichards.ca>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>; Bougadis, John <John.Bougadis@ottawa.ca>
Subject: RE: S1 Lands - Boundary Condition Request

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Hi Gianmarco,

Kindly following up on our boundary conditions request. Do you have a timeline of when we could expect these results?

Appreciate your help on this.

Best Regards,

Ally

Ally Marchese, B.A.Sc., EIT
Civil Engineering Graduate

1000-343 Preston Street
Ottawa ON K1S 1N4
Work: 343-492-2536
amarchese@jlrichards.ca

From: Bougadis, John <John.Bougadis@ottawa.ca>
Sent: Wednesday, August 27, 2025 12:44 PM
To: Ally Marchese <amarchese@jlrichards.ca>
Cc: Curtiss Scarlett <cscarlett@minto.com>; EHarrington@minto.com; Mahad Musse <mmusse@jlrichards.ca>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>; Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Subject: Re: S1 Lands - Boundary Condition Request

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Hi Ally,

The request has been forwarded to Gianmarco, who will be updating the water boundary conditions. He will share the updated results with you once they are available.

For your reference, fire flow requirements typically govern the design of local watermains, while peak hourly demands often determine the sizing of watermains 400 mm and larger. If there have been no significant changes to the fire flow rates or peak hourly demands, the water boundary conditions are expected to remain largely unchanged.

Thanks,

John

A/Program Manager, Trunk System Planning

Advance notice: I'll be out of the office from Tuesday, September 2 until Thursday, September 10

Classified as City of Ottawa - Internal / Ville d'Ottawa - classé interne

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From: Ally Marchese <amarchese@jlrichards.ca>
Sent: Wednesday, August 27, 2025 11:40 AM
To: Bougadis, John <John.Bougadis@ottawa.ca>
Cc: Curtiss Scarlett <cscarlett@minto.com>; EHarrington@minto.com <EHarrington@minto.com>; Mahad Musse <mmusse@jlrichards.ca>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>
Subject: RE: S1 Lands - Boundary Condition Request

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Hi John,

We received a bounce back email from Zoe. I just wanted to follow up and address this request to you.

Thank you,

Ally Marchese, B.A.Sc., EIT
Civil Engineering Graduate

1000-343 Preston Street
Ottawa ON K1S 1N4
Work: 343-492-2536
amarchese@jlrichards.ca

From: Ally Marchese <amarchese@jlrichards.ca>
Sent: Tuesday, August 26, 2025 3:14 PM
To: qiaoqiao.gong@ottawa.ca
Cc: John.Bougadis@ottawa.ca; CScarlett@minto.com; EHarrington@minto.com; Mahad Musse <mmusse@jlrichards.ca>; Annie Williams <awilliams@jlrichards.ca>; Karla Ferrey <kferrey@jlrichards.ca>
Subject: RE: S1 Lands - Boundary Condition Request

Hi Zoe,

Following up on our previous boundary condition request (July 5th 2024, see attached), we are requesting updated boundary conditions for the Barrhaven S1 lands, based on a revised concept plan with updated population figures and revised connection points.

As with our previous boundary condition request, this document summarizes the upcoming potable water assessment that will be carried out as part of the upcoming Servicing Study for Minto's S1 Urban Expansion Area (S1 UEA). The subject site is located north of Barnsdale Road, east of Borrisokane Road, south of the existing The Ridge Subdivision and west of the existing Quinn's pointe Subdivision.

Given that the population for overall S1 UEA exceeds 3,000 equivalent population, the analysis is to be carried out based on system-level demand parameters as per the attached. The potable water assessment will identify water servicing requirements for the future stages of the S1 UEA as depicted on Minto's Concept Plan.

Please note that since Quinn's Pointe Stage 5 is still under review, its associated demands and connection points have been included in this request. The connection points have also been slightly revised from our previous submission to reflect updates to the servicing strategy for the subdivision.

We are requesting boundary conditions for the following scenarios. Note that each scenario will have the same demand assumptions:

- Scenario 1: Existing Pressure Zone without Connection to Barnsdale Road (Connection 7) on the attached figure
- Scenario 2: Existing Pressure Zone with Connection to Barnsdale Road (Connection 7) on the attached figure
- Scenario 3: Future "SUC Zone" Pressure Zone Reconfiguration without Connection to Barnsdale Road (Connection 7) on the attached figure
- Scenario 4: Future "SUC Zone" Pressure Zone Reconfiguration with Connection to Barnsdale Road (Connection 7) on the attached figure

Scenario 1 - Existing Pressure Zone without Connection to Barnsdale Road

The requested connections for scenario 1 are as follows:

1. Location 1 – Connection to existing 300 mm WM north of Moyard on Lynn Coulter Street;
2. Location 2 – Connection to existing 300 mm WM at Kilbirnie Drive;
3. Location 3 – Connection to existing 300 mm WM at Obsidian Street;
4. Location 4 – Connection to existing 300 mm WM at Elevation Road;
5. Location 5 – Connection to existing 300 mm WM at Cappamore Drive; and
6. Location 6 – Connection to existing 200 mm WM at Moyard Drive.

Scenario 2 Existing Pressure Zone with Connection to Barnsdale

The requested connections for scenario 2 are as follows:

6. Location 1 – Connection to existing 300 mm WM at North of Moyard on Lynn Coulter Street;
7. Location 2 – Connection to existing 300 mm WM at Kilbirnie Drive;
8. Location 3 – Connection to existing 300 mm WM at Obsidian Street;
9. Location 4 – Connection to existing 300 mm WM at Elevation Road.
10. Location 5 – Connection to existing 300 mm WM at Cappamore Drive;
11. Location 6 – Connection to existing 200 mm WM at Moyard Drive; and
12. Location 7 – Connection to existing 200 mm WM at Barnsdale Road.

Scenario 3 - Future "SUC Zone" Pressure Zone Reconfiguration without Connection to Barnsdale Road

The requested connections for scenario 3 are as follows:

13. Location 1 – Connection to existing 300 mm WM at North of Moyard on Lynn Coulter Street;
14. Location 2 – Connection to existing 300 mm WM at Kilbirnie Drive;
15. Location 3 – Connection to existing 300 mm WM at Obsidian Street;
16. Location 4 – Connection to existing 300 mm WM at Elevation Road.
17. Location 5 – Connection to existing 300 mm WM at Cappamore Drive; and
18. Location 6 – Connection to existing 200 mm WM at Moyard Drive.

Scenario 4 Future "SUC Zone" Pressure Zone Reconfiguration with Connection to Barnsdale Road

The requested connections for scenario 4 are as follows:

19. Location 1 – Connection to existing 300 mm WM at North of Moyard on Lynn Coulter Street;
20. Location 2 – Connection to existing 300 mm WM at Kilbirnie Drive;
21. Location 3 – Connection to existing 300 mm WM at Obsidian Street;
22. Location 4 – Connection to existing 300 mm WM at Elevation Road.
23. Location 5 – Connection to existing 300 mm Mat Cappamore Drive;
24. Location 6 – Connection to existing 200 mm WM at Moyard Drive; and
25. Location 7 – Connection to existing 200 mm WM at Barnsdale Road.

As previously noted, the water demands were calculated based on the provided system-level demand parameters. The estimated water demands for the proposed development are listed below (refer to the attachment for the breakdown):

Demands Including:

Average Day Demand = 16.69 L/s

Maximum Day Demand = 24.56 L/s

Peak Hour Demand = 43.47 L/s

Fire Flow 1 = 167 L/s

Fire Flow 2 = 217 L/s

If we could receive the requested boundary conditions at your earliest convenience it would be much appreciated.

Should you have any questions or require anything further, please do not hesitate to call.

Thank you,

Ally Marchese, B.A.Sc., EIT
Civil Engineering Graduate

Ottawa ON
Work: 343-492-2536

From: Gong, Qiaoqiao <qiaoqiao.gong@ottawa.ca>
Sent: Friday, July 5, 2024 1:13 PM
To: Tatyana Roumie <troumie@jlrichards.ca>
Cc: Karla Ferrey <kferrey@jlrichards.ca>; Bobby Pettigrew <bpettigrew@jlrichards.ca>; Curtiss Scarlett <CScarlett@minto.com>; Guy Forget <gforget@jlrichards.ca>; EHarrington@minto.com; Bougadis, John <John.Bougadis@ottawa.ca>; van de Lande, Robin <Robin.vandeLande@ottawa.ca>; Maggiore, Gianmarco <gianmarco.maggiore@ottawa.ca>
Subject: RE: S1 Lands - Boundary Condition Request

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Good morning Tatyana,

Please see water boundary condition results attached for Stage 5 and Stage 5-9, as requested.

Let me know if you have any questions.

Happy Friday.

Zoe

Zoe (Qiaoqiao) Gong,M.Eng.,P.Eng.

Project Manager, Infrastructure Planning

Infrastructure and Water Services

qiaoqiao.gong@ottawa.ca

613-580-2400 ext. 22733

City of Ottawa

From: Tatyana Roumie <troumie@jlrichards.ca>
Sent: 2024/06/26 10:32 AM
To: Bougadis, John <John.Bougadis@ottawa.ca>; van de Lande, Robin <Robin.vandeLande@ottawa.ca>
Cc: Karla Ferrey <kferrey@jlrichards.ca>; Bobby Pettigrew <bpettigrew@jlrichards.ca>; Curtiss Scarlett <CScarlett@minto.com>; Guy Forget <gforget@jlrichards.ca>; EHarrington@minto.com
Subject: S1 Lands - Boundary Condition Request

John & Robin,

We are requesting boundary conditions for the S1 Urban Expansion Area (S1 UEA). This request follows recent discussions held with John and was prepared based on the system-level parameters provided by the City of Ottawa given that Stage 5 and the S1 UEA exceed a population of 3,000.

As per the recent discussions, this request solely reflects Minto's Stage 5 and S1 UEA as a separate request was made by DSEL for the Logistics and Industrial/Commercial lands.

The upcoming potable water assessment that will be prepared as part of an upcoming MSS that will identify water servicing requirements for Stage 5 as well as the future stages of the S1 UEA as depicted on Minto's Concept Plan (see the phasing limit in red on the attached). It should be noted that Stage 5 as shown on the attached relates to

the last stage of the previous expansion lands (BSUEA) while Stages 6-9 relates to the S1 UEA. As shown on the attached Concept Plan, the unit breakdown for each of the stages is shown in the upper left corner of the PDF. Also shown on this PDF, Stage 5 will connect to existing watermains at four (4) while future Stages 6-9 part of the S1 UEA will be connected with an additional four (4) connections to existing watermains, labelled as Connection 5 to 8 as shown on the attached Concept Plan. These connections are described below:

- Location 1 – Connection to existing 300 mm WM at North of Moyard and Lynn Coulter Street;
- Location 2 – Connection to existing 200 mm WM at North of Tullaghan Heights and Moyard Drive;
- Location 3 – Connection to existing 300 mm WM at Kilbernie Road;
- Location 4 – Connection to existing 300 mm WM at Obsidian Street;
- Location 5 – Connection to existing 200 mm WM at Barnsdale Road;
- Location 6 – Connection to existing 300 mm WM at Cappamore Drive;
- Location 7 – Connection to existing 200 mm WM at Moyard Drive; and
- Location 8 – Connection to existing 300 mm WM at Elevation Road.

The following provides the calculated demands and fire flow requirements for Stage 5 part of the approved BSUEA, as well as the cumulative demands for Stage 5 with Stages 6-9 using the system level parameters. The system level parameters and demand calculations are attached to this Email.

Stage 5:

Average Day Demand = 5.06 L/s

Maximum Day Demand = 5.38 L/s

Peak Hour Demand = 6.47 L/s

Fire Flow 1 = 167 L/s

Fire Flow 2 = 217 L/s

Fire Flow 3 = 250 L/s

Fire Flow 4 = 300 L/s

Stages 5 - 9:

Average Day Demand = 19.66 L/s

Maximum Day Demand = 27.63 L/s

Peak Hour Demand = 44.18 L/s

Fire Flow 1 = 167 L/s

Fire Flow 2 = 217 L/s

Fire Flow 3 = 250 L/s

Fire Flow 4 = 300 L/s

Based on the above information, can boundary conditions be provided at the connection points noted above under Stage 5, as well as for Stage 6, 7, 8 and 9 to reflect Minto's phasing Plan. The BC should be generated under Peak Hour, Max. Day plus Fire Flows and Maximum Pressure Check scenarios. We have also assumed that the BC will reflect current supply conditions as well as the future pressure zone reconfiguration.

If we could receive the requested boundary conditions at your earliest convenience it would be much appreciated.

Should you have any questions or require anything further, please do not hesitate to call.

Thanks,

Tatyana

Tatyana Roumie, M.Eng., B.Eng., EIT
Civil Engineering Graduate
Ottawa, ON
Work: 343-804-9370

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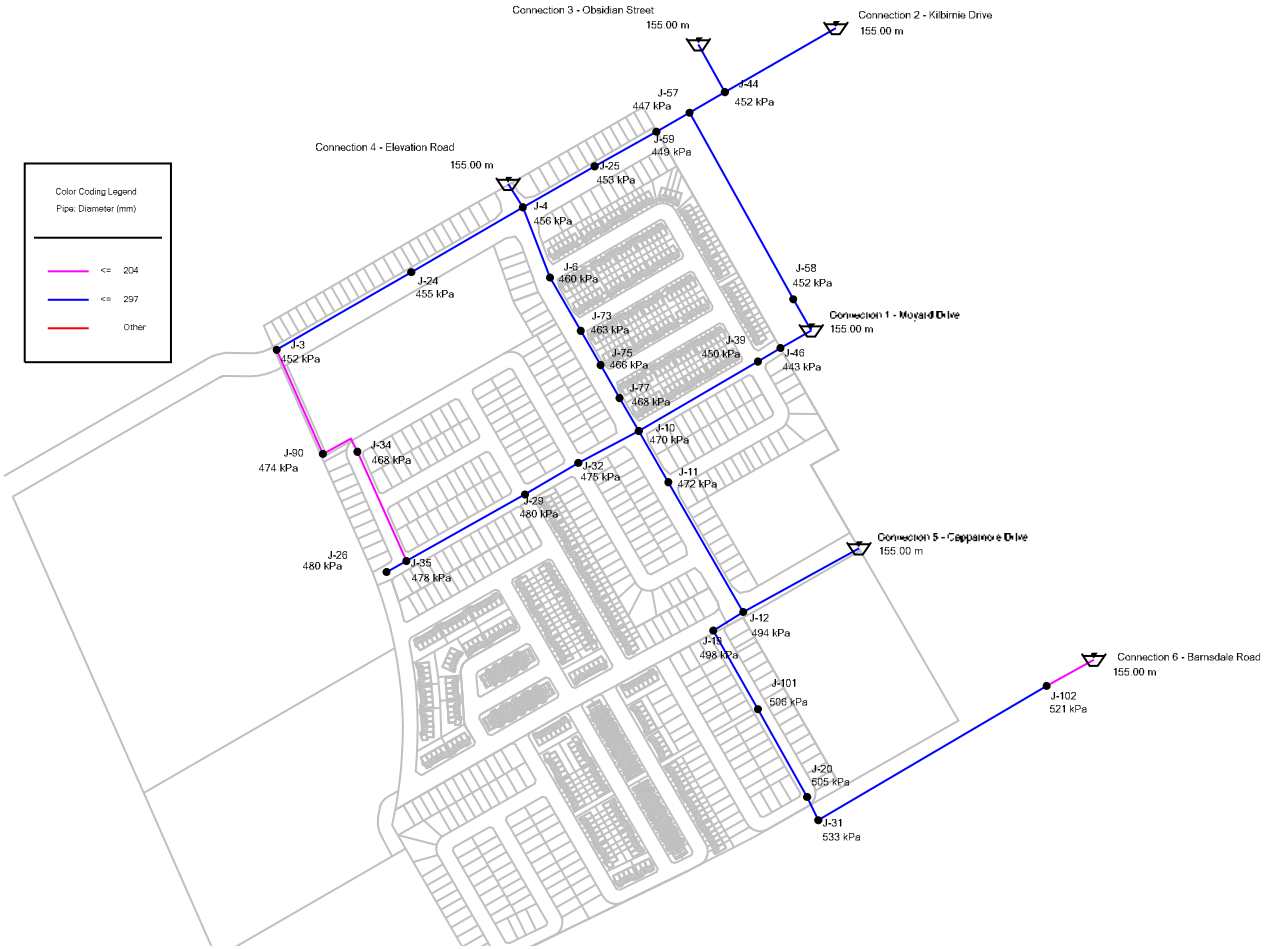
Quinn's Pointe Phases 6-8
Elevation Model
Overall View

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 6 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	155.00	452
J-4	108.40	0	155.00	456
J-6	108.00	0	155.00	460
J-10	107.00	0	155.00	470
J-11	106.75	0	155.00	472
J-12	104.50	0	155.00	494
J-19	104.20	0	155.00	498
J-20	103.45	0	155.00	505
J-24	108.50	0	155.00	455
J-25	108.70	0	155.00	453
J-26	106.00	0	155.00	480
J-29	106.00	0	155.00	480
J-31	100.50	0	155.00	533
J-32	106.50	0	155.00	475
J-34	107.20	0	155.00	468
J-35	106.20	0	155.00	478
J-39	109.00	0	155.00	450
J-44	108.80	0	155.00	452
J-46	109.75	0	155.00	443
J-57	109.30	0	155.00	447
J-58	108.85	0	155.00	452
J-59	109.10	0	155.00	449
J-73	107.75	0	155.00	463
J-75	107.50	0	155.00	466
J-77	107.50	0	155.00	468
J-90	106.56	0	155.00	474
J-101	103.30	0	155.00	506

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 6 Pipe Table
Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	155.00	155.00	0	0.00
P-67(1)	54.8	204	PVC	110	155.00	155.00	0	0.00
P-67(2)	133.9	204	PVC	110	155.00	155.00	0	0.00
P-4	88.7	297	PVC	120	155.00	155.00	0	0.00
P-9	69.5	297	PVC	120	155.00	155.00	0	0.00
P-10	176.3	297	PVC	120	155.00	155.00	0	0.00
P-11	155.2	297	PVC	120	155.00	155.00	0	0.00
P-12(1)	41.4	297	PVC	120	155.00	155.00	0	0.00
P-23	32.5	297	PVC	120	155.00	155.00	0	0.00
P-2(1)	182.6	297	PVC	120	155.00	155.00	0	0.00
P-2(2)	151.7	297	PVC	120	155.00	155.00	0	0.00
P-3(1)	97.2	297	PVC	120	155.00	155.00	0	0.00
P-30	30.3	297	PVC	120	155.00	155.00	0	0.00
P-24(1)(1)	80.4	297	PVC	120	155.00	155.00	0	0.00
P-24(1)(2)	72.8	297	PVC	120	155.00	155.00	0	0.00
P-24(2)(1)	159.8	297	PVC	120	155.00	155.00	0	0.00
P-24(2)(2)	26.8	297	PVC	120	155.00	155.00	0	0.00
P-21(1)	162.2	297	PVC	120	155.00	155.00	0	0.00
P-3(2)(2)(2)	64.1	297	PVC	120	155.00	155.00	0	0.00
P-43	150.5	297	PVC	120	155.00	155.00	0	0.00
P-21(2)(1)	30.8	297	PVC	120	155.00	155.00	0	0.00
P-21(2)(2)	41.6	297	PVC	120	155.00	155.00	0	0.00
P-44(2)	48.0	297	PVC	120	155.00	155.00	0	0.00
P-55(1)	250.8	297	PVC	120	155.00	155.00	0	0.00
P-55(2)	42.4	297	PVC	120	155.00	155.00	0	0.00
P-44(1)(1)	83.2	297	PVC	120	155.00	155.00	0	0.00

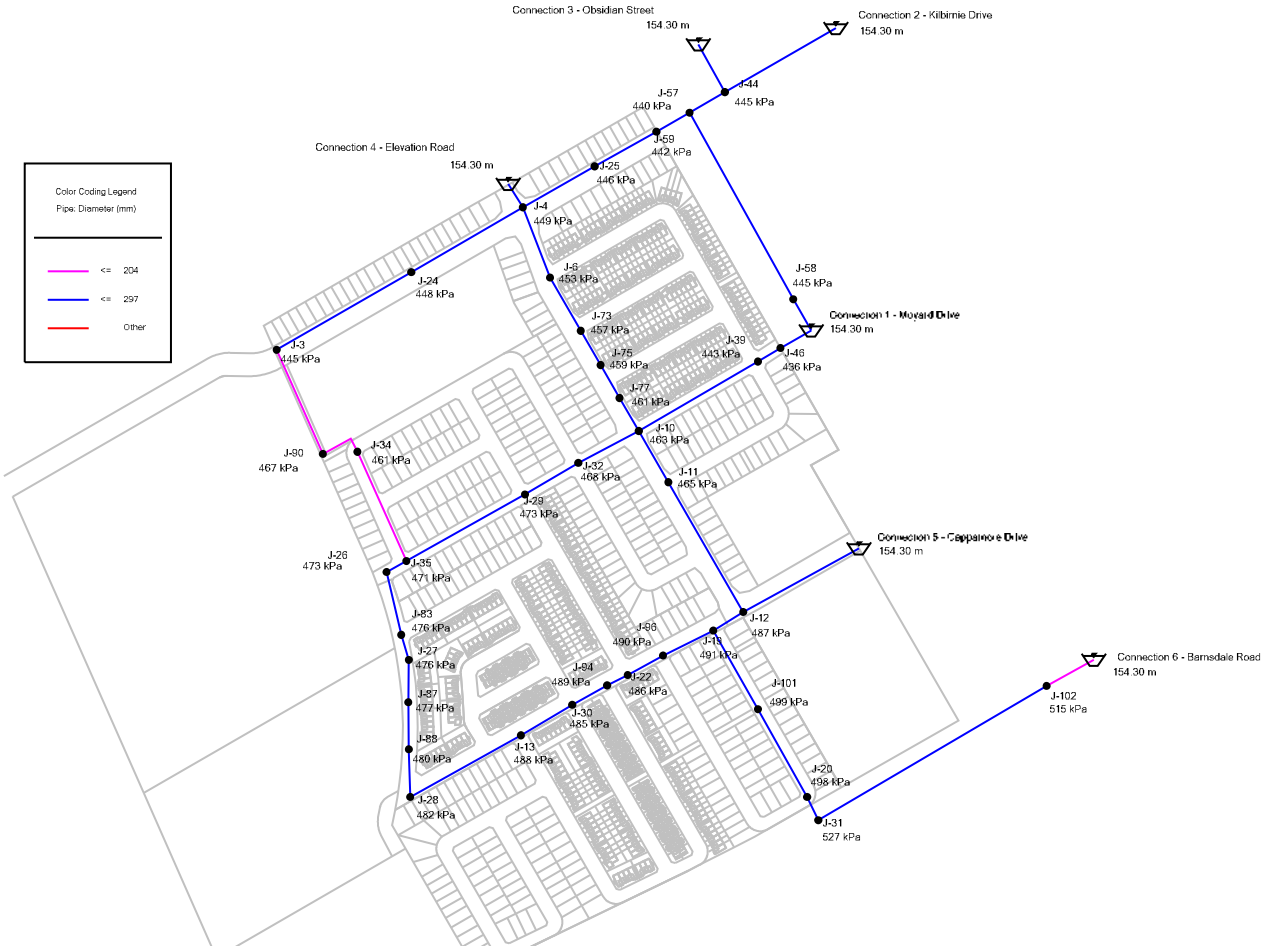
Quinn's Pointe Phases 6-8

Phase 6 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-44(1)(2)	45.0	297	PVC	120	155.00	155.00	0	0.00
P-29(1)(1)	72.2	297	PVC	120	155.00	155.00	0	0.00
P-29(1)(2)(2)(1)	46.5	297	PVC	120	155.00	155.00	0	0.00
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	155.00	155.00	0	0.00
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	155.00	155.00	0	0.00
P-18(1)	106.2	297	PVC	120	155.00	155.00	0	0.00
P-18(2)	118.4	297	PVC	120	155.00	155.00	0	0.00

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	154.30	445
J-4	108.40	0	154.30	449
J-6	108.00	0	154.30	453
J-10	107.00	0	154.30	463
J-11	106.75	0	154.30	465
J-12	104.50	0	154.30	487
J-13	104.93	0	154.30	488
J-19	104.20	0	154.30	491
J-20	103.45	0	154.30	498
J-22	104.60	0	154.30	486
J-24	108.50	0	154.30	448
J-25	108.70	0	154.30	446
J-26	106.00	0	154.30	473
J-27	105.75	0	154.30	476
J-28	105.60	0	154.30	482
J-29	106.00	0	154.30	473
J-30	104.70	0	154.30	485
J-31	100.50	0	154.30	527
J-32	106.50	0	154.30	468
J-34	107.20	0	154.30	461
J-35	106.20	0	154.30	471
J-39	109.00	0	154.30	443
J-44	108.80	0	154.30	445
J-46	109.75	0	154.30	436
J-57	109.30	0	154.30	440
J-58	108.85	0	154.30	445
J-59	109.10	0	154.30	442
J-73	107.75	0	154.30	457

Quinn's Pointe Phases 6-8
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-75	107.50	0	154.30	459
J-77	107.50	0	154.30	461
J-83	105.90	0	154.30	476
J-87	105.80	0	154.30	477
J-88	105.30	0	154.30	480
J-90	106.56	0	154.30	467
J-94	104.65	0	154.30	489
J-96	104.45	0	154.30	490
J-101	103.30	0	154.30	499

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 7 Pipe Table
Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	154.30	154.30	0	0.00
P-67(1)	54.8	204	PVC	110	154.30	154.30	0	0.00
P-67(2)	133.9	204	PVC	110	154.30	154.30	0	0.00
P-4	88.7	297	PVC	120	154.30	154.30	0	0.00
P-9	69.5	297	PVC	120	154.30	154.30	0	0.00
P-10	176.3	297	PVC	120	154.30	154.30	0	0.00
P-11	155.2	297	PVC	120	154.30	154.30	0	0.00
P-12(1)	41.4	297	PVC	120	154.30	154.30	0	0.00
P-23	32.5	297	PVC	120	154.30	154.30	0	0.00
P-2(1)	182.6	297	PVC	120	154.30	154.30	0	0.00
P-2(2)	151.7	297	PVC	120	154.30	154.30	0	0.00
P-3(1)	97.2	297	PVC	120	154.30	154.30	0	0.00
P-27	149.0	297	PVC	120	154.30	154.30	0	0.00
P-12(2)(2)(2)	70.2	297	PVC	120	154.30	154.30	0	0.00
P-30	30.3	297	PVC	120	154.30	154.30	0	0.00
P-24(1)(1)	80.4	297	PVC	120	154.30	154.30	0	0.00
P-24(1)(2)	72.8	297	PVC	120	154.30	154.30	0	0.00
P-24(2)(1)	159.8	297	PVC	120	154.30	154.30	0	0.00
P-24(2)(2)	26.8	297	PVC	120	154.30	154.30	0	0.00
P-21(1)	162.2	297	PVC	120	154.30	154.30	0	0.00
P-3(2)(2)(2)	64.1	297	PVC	120	154.30	154.30	0	0.00
P-43	150.5	297	PVC	120	154.30	154.30	0	0.00
P-21(2)(1)	30.8	297	PVC	120	154.30	154.30	0	0.00
P-21(2)(2)	41.6	297	PVC	120	154.30	154.30	0	0.00
P-44(2)	48.0	297	PVC	120	154.30	154.30	0	0.00

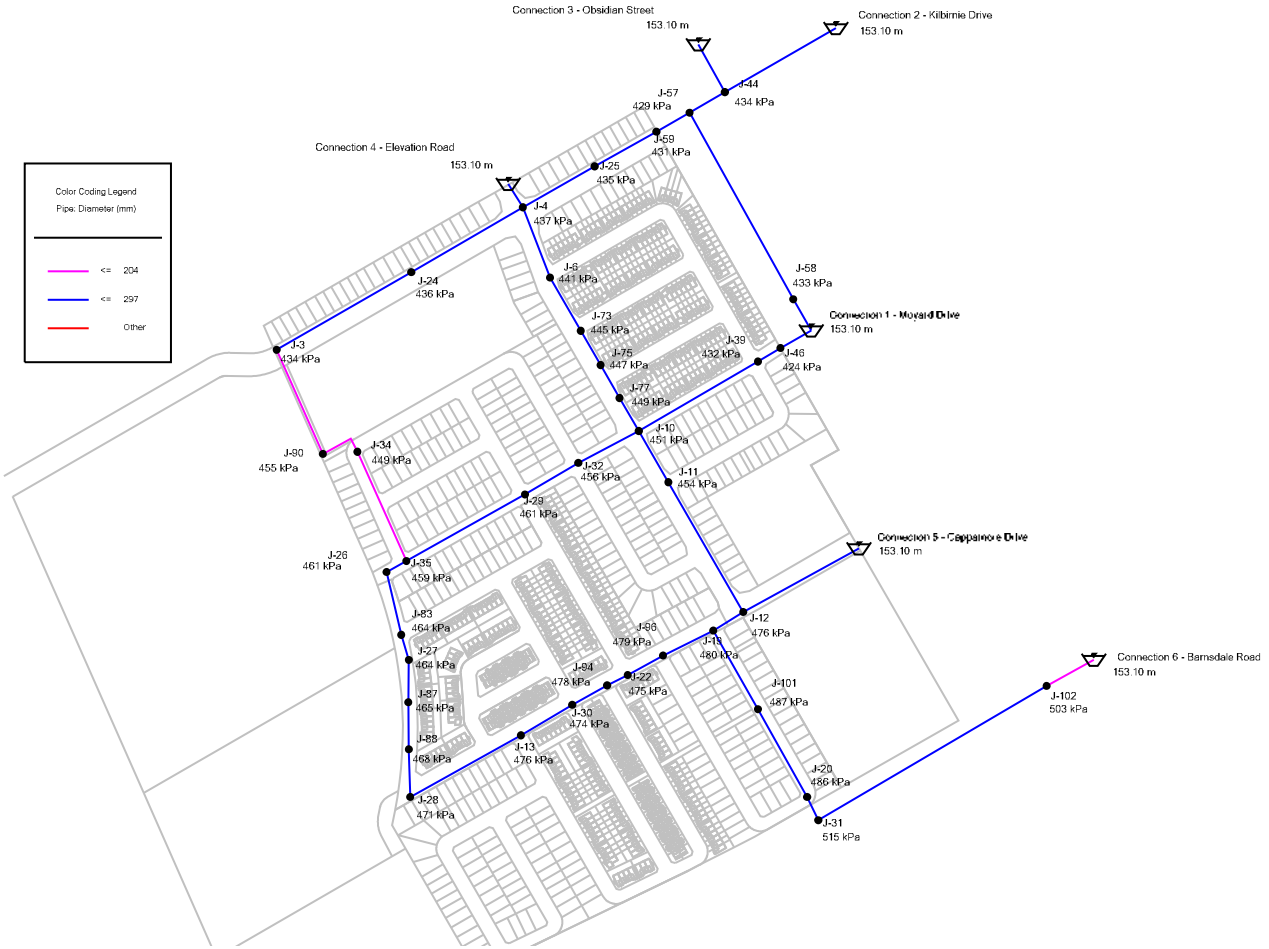
Quinn's Pointe Phases 6-8

Phase 7 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	154.30	154.30	0	0.00
P-55(2)	42.4	297	PVC	120	154.30	154.30	0	0.00
P-44(1)(1)	83.2	297	PVC	120	154.30	154.30	0	0.00
P-44(1)(2)	45.0	297	PVC	120	154.30	154.30	0	0.00
P-29(1)(1)	72.2	297	PVC	120	154.30	154.30	0	0.00
P-29(1)(2)(2)(1)	46.5	297	PVC	120	154.30	154.30	0	0.00
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	154.30	154.30	0	0.00
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	154.30	154.30	0	0.00
P-25(1)	75.8	297	PVC	120	154.30	154.30	0	0.00
P-25(2)	30.8	297	PVC	120	154.30	154.30	0	0.00
P-26(1)	49.9	297	PVC	120	154.30	154.30	0	0.00
P-26(2)(1)	55.3	297	PVC	120	154.30	154.30	0	0.00
P-26(2)(2)	56.1	297	PVC	120	154.30	154.30	0	0.00
P-66(1)	46.9	297	PVC	120	154.30	154.30	0	0.00
P-66(2)	27.1	297	PVC	120	154.30	154.30	0	0.00
P-12(2)(1)(1)	66.0	297	PVC	120	154.30	154.30	0	0.00
P-12(2)(1)(2)	47.4	297	PVC	120	154.30	154.30	0	0.00
P-18(1)	106.2	297	PVC	120	154.30	154.30	0	0.00
P-18(2)	118.4	297	PVC	120	154.30	154.30	0	0.00

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	153.10	434
J-4	108.40	0	153.10	437
J-6	108.00	0	153.10	441
J-10	107.00	0	153.10	451
J-11	106.75	0	153.10	454
J-12	104.50	0	153.10	476
J-13	104.93	0	153.10	476
J-19	104.20	0	153.10	480
J-20	103.45	0	153.10	486
J-22	104.60	0	153.10	475
J-24	108.50	0	153.10	436
J-25	108.70	0	153.10	435
J-26	106.00	0	153.10	461
J-27	105.75	0	153.10	464
J-28	105.60	0	153.10	471
J-29	106.00	0	153.10	461
J-30	104.70	0	153.10	474
J-31	100.50	0	153.10	515
J-32	106.50	0	153.10	456
J-34	107.20	0	153.10	449
J-35	106.20	0	153.10	459
J-39	109.00	0	153.10	432
J-44	108.80	0	153.10	434
J-46	109.75	0	153.10	424
J-52	104.05	0	153.10	480
J-57	109.30	0	153.10	429
J-58	108.85	0	153.10	433
J-59	109.10	0	153.10	431

Quinn's Pointe Phases 6-8

Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-73	107.75	0	153.10	445
J-75	107.50	0	153.10	447
J-77	107.50	0	153.10	449
J-83	105.90	0	153.10	464
J-87	105.80	0	153.10	465
J-88	105.30	0	153.10	468
J-90	106.56	0	153.10	455
J-94	104.65	0	153.10	478
J-96	104.45	0	153.10	479
J-101	103.30	0	153.10	487

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum HGL
Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	153.10	153.10	0	0.00
P-67(1)	54.8	204	PVC	110	153.10	153.10	0	0.00
P-67(2)	133.9	204	PVC	110	153.10	153.10	0	0.00
P-4	88.7	297	PVC	120	153.10	153.10	0	0.00
P-9	69.5	297	PVC	120	153.10	153.10	0	0.00
P-10	176.3	297	PVC	120	153.10	153.10	0	0.00
P-11	155.2	297	PVC	120	153.10	153.10	0	0.00
P-12(1)	41.4	297	PVC	120	153.10	153.10	0	0.00
P-23	32.5	297	PVC	120	153.10	153.10	0	0.00
P-2(1)	182.6	297	PVC	120	153.10	153.10	0	0.00
P-2(2)	151.7	297	PVC	120	153.10	153.10	0	0.00
P-3(1)	97.2	297	PVC	120	153.10	153.10	0	0.00
P-27	149.0	297	PVC	120	153.10	153.10	0	0.00
P-12(2)(2)(2)	70.2	297	PVC	120	153.10	153.10	0	0.00
P-30	30.3	297	PVC	120	153.10	153.10	0	0.00
P-24(1)(1)	80.4	297	PVC	120	153.10	153.10	0	0.00
P-24(1)(2)	72.8	297	PVC	120	153.10	153.10	0	0.00
P-24(2)(1)	159.8	297	PVC	120	153.10	153.10	0	0.00
P-24(2)(2)	26.8	297	PVC	120	153.10	153.10	0	0.00
P-21(1)	162.2	297	PVC	120	153.10	153.10	0	0.00
P-3(2)(2)(2)	64.1	297	PVC	120	153.10	153.10	0	0.00
P-43	150.5	297	PVC	120	153.10	153.10	0	0.00
P-21(2)(1)	30.8	297	PVC	120	153.10	153.10	0	0.00
P-21(2)(2)	41.6	297	PVC	120	153.10	153.10	0	0.00
P-44(2)	48.0	297	PVC	120	153.10	153.10	0	0.00

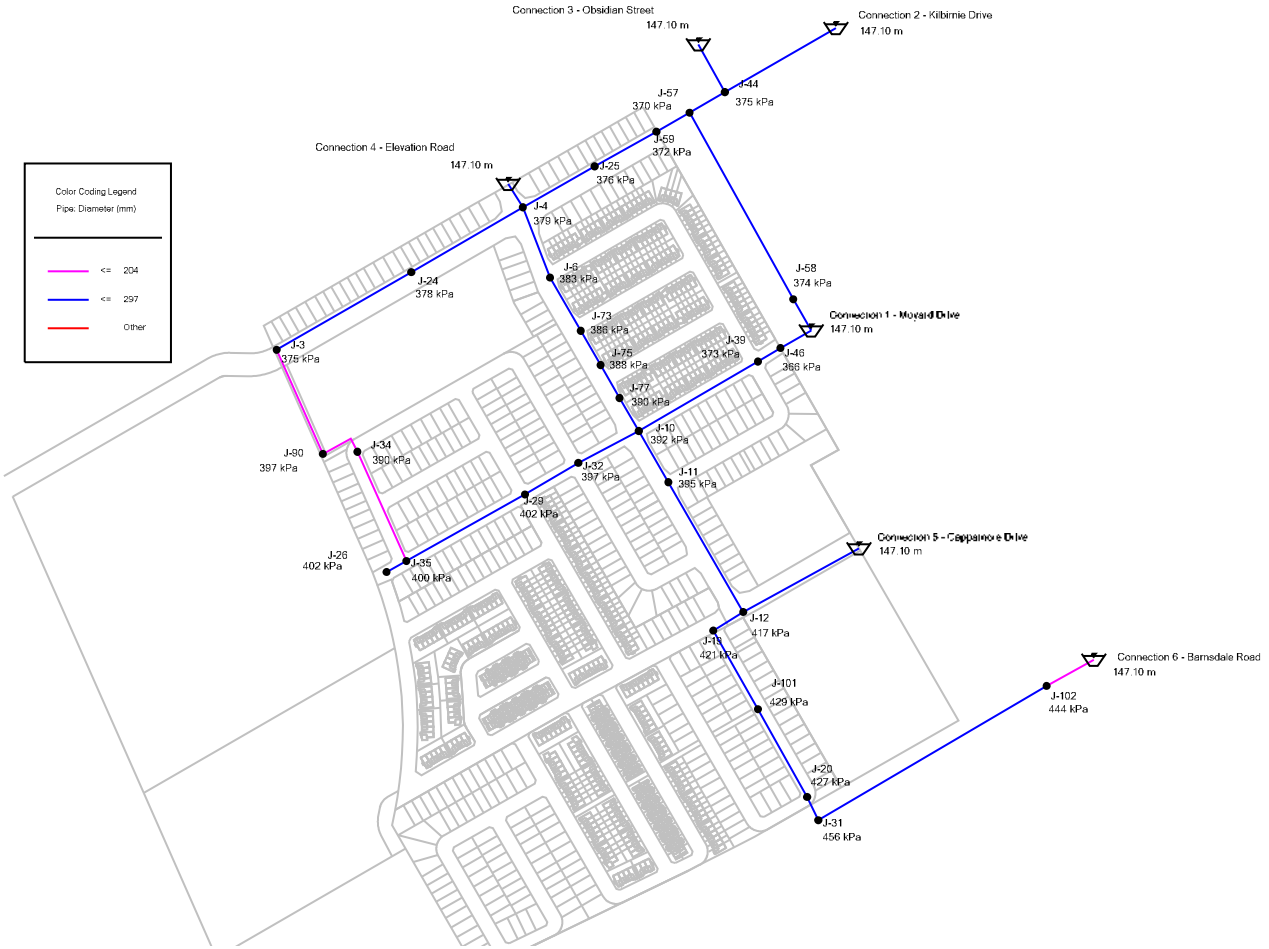
Quinn's Pointe Phases 6-8

Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	153.10	153.10	0	0.00
P-55(2)	42.4	297	PVC	120	153.10	153.10	0	0.00
P-44(1)(1)	83.2	297	PVC	120	153.10	153.10	0	0.00
P-44(1)(2)	45.0	297	PVC	120	153.10	153.10	0	0.00
P-29(1)(1)	72.2	297	PVC	120	153.10	153.10	0	0.00
P-29(1)(2)(2)(1)	46.5	297	PVC	120	153.10	153.10	0	0.00
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	153.10	153.10	0	0.00
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	153.10	153.10	0	0.00
P-25(1)	75.8	297	PVC	120	153.10	153.10	0	0.00
P-25(2)	30.8	297	PVC	120	153.10	153.10	0	0.00
P-26(1)	49.9	297	PVC	120	153.10	153.10	0	0.00
P-26(2)(1)	55.3	297	PVC	120	153.10	153.10	0	0.00
P-26(2)(2)	56.1	297	PVC	120	153.10	153.10	0	0.00
P-66(1)	46.9	297	PVC	120	153.10	153.10	0	0.00
P-66(2)	27.1	297	PVC	120	153.10	153.10	0	0.00
P-12(2)(1)(1)	66.0	297	PVC	120	153.10	153.10	0	0.00
P-12(2)(1)(2)	47.4	297	PVC	120	153.10	153.10	0	0.00
P-18(1)	106.2	297	PVC	120	153.10	153.10	0	0.00
P-18(2)	118.4	297	PVC	120	153.10	153.10	0	0.00

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 6 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	147.10	375
J-4	108.40	0	147.10	379
J-6	108.00	0	147.10	383
J-10	107.00	0	147.10	392
J-11	106.75	0	147.10	395
J-12	104.50	0	147.10	417
J-19	104.20	0	147.10	421
J-20	103.45	0	147.10	427
J-24	108.50	0	147.10	378
J-25	108.70	0	147.10	376
J-26	106.00	0	147.10	402
J-29	106.00	0	147.10	402
J-31	100.50	0	147.10	456
J-32	106.50	0	147.10	397
J-34	107.20	0	147.10	390
J-35	106.20	0	147.10	400
J-39	109.00	0	147.10	373
J-44	108.80	0	147.10	375
J-46	109.75	0	147.10	366
J-57	109.30	0	147.10	370
J-58	108.85	0	147.10	374
J-59	109.10	0	147.10	372
J-73	107.75	0	147.10	386
J-75	107.50	0	147.10	388
J-77	107.50	0	147.10	390
J-90	106.56	0	147.10	397
J-101	103.30	0	147.10	429

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 6 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	147.10	147.10	0	0.00
P-67(1)	54.8	204	PVC	110	147.10	147.10	0	0.00
P-67(2)	133.9	204	PVC	110	147.10	147.10	0	0.00
P-4	88.7	297	PVC	120	147.10	147.10	0	0.00
P-9	69.5	297	PVC	120	147.10	147.10	0	0.00
P-10	176.3	297	PVC	120	147.10	147.10	0	0.00
P-11	155.2	297	PVC	120	147.10	147.10	0	0.00
P-12(1)	41.4	297	PVC	120	147.10	147.10	0	0.00
P-23	32.5	297	PVC	120	147.10	147.10	0	0.00
P-2(1)	182.6	297	PVC	120	147.10	147.10	0	0.00
P-2(2)	151.7	297	PVC	120	147.10	147.10	0	0.00
P-3(1)	97.2	297	PVC	120	147.10	147.10	0	0.00
P-30	30.3	297	PVC	120	147.10	147.10	0	0.00
P-24(1)(1)	80.4	297	PVC	120	147.10	147.10	0	0.00
P-24(1)(2)	72.8	297	PVC	120	147.10	147.10	0	0.00
P-24(2)(1)	159.8	297	PVC	120	147.10	147.10	0	0.00
P-24(2)(2)	26.8	297	PVC	120	147.10	147.10	0	0.00
P-21(1)	162.2	297	PVC	120	147.10	147.10	0	0.00
P-3(2)(2)(2)	64.1	297	PVC	120	147.10	147.10	0	0.00
P-43	150.5	297	PVC	120	147.10	147.10	0	0.00
P-21(2)(1)	30.8	297	PVC	120	147.10	147.10	0	0.00
P-21(2)(2)	41.6	297	PVC	120	147.10	147.10	0	0.00
P-44(2)	48.0	297	PVC	120	147.10	147.10	0	0.00
P-55(1)	250.8	297	PVC	120	147.10	147.10	0	0.00
P-55(2)	42.4	297	PVC	120	147.10	147.10	0	0.00
P-44(1)(1)	83.2	297	PVC	120	147.10	147.10	0	0.00

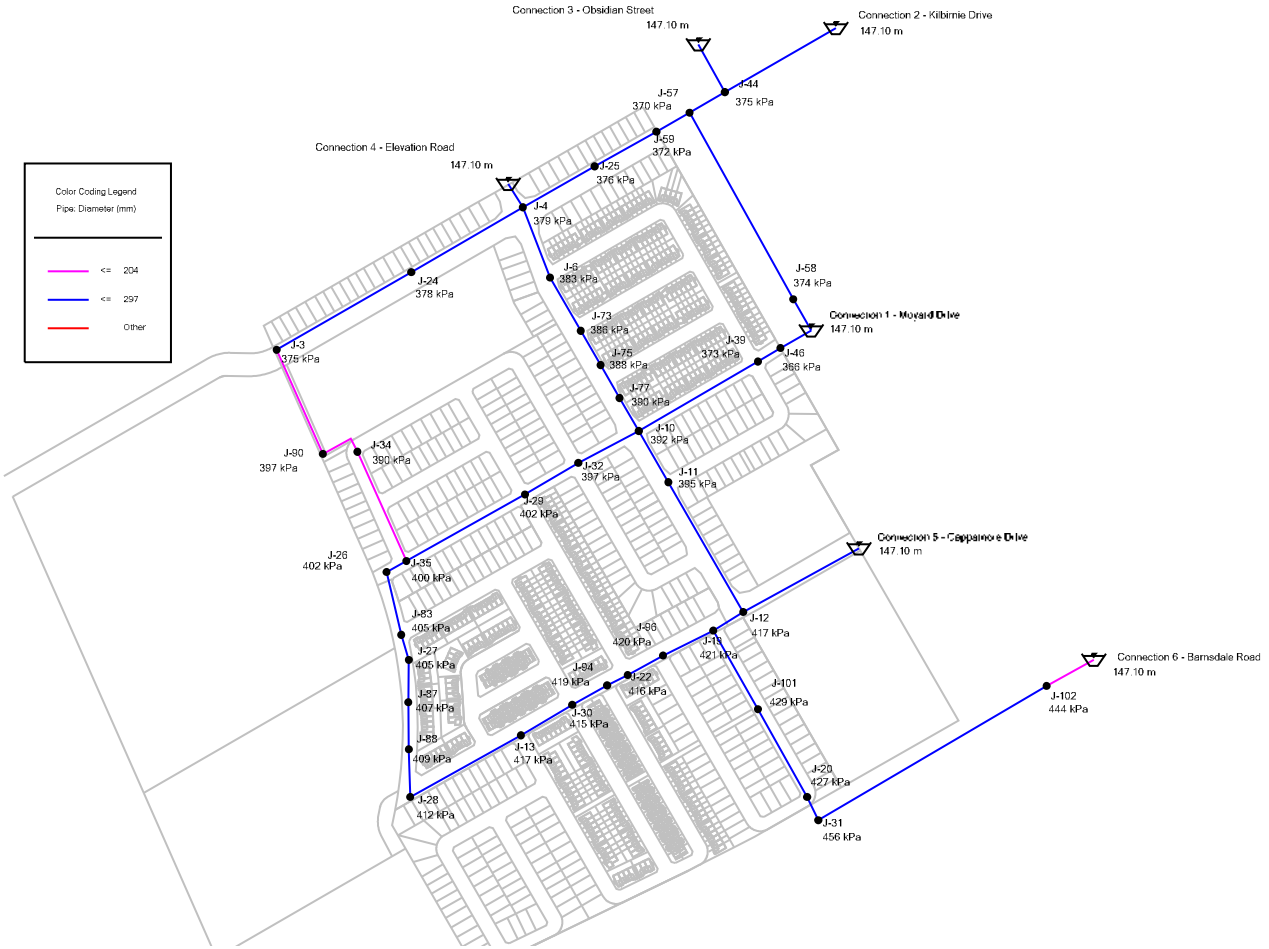
Quinn's Pointe Phases 6-8

Phase 6 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-44(1)(2)	45.0	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(1)	72.2	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(2)(2)(1)	46.5	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	147.10	147.10	0	0.00
P-18(1)	106.2	297	PVC	120	147.10	147.10	0	0.00
P-18(2)	118.4	297	PVC	120	147.10	147.10	0	0.00

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	147.10	375
J-4	108.40	0	147.10	379
J-6	108.00	0	147.10	383
J-10	107.00	0	147.10	392
J-11	106.75	0	147.10	395
J-12	104.50	0	147.10	417
J-13	104.93	0	147.10	417
J-19	104.20	0	147.10	421
J-20	103.45	0	147.10	427
J-22	104.60	0	147.10	416
J-24	108.50	0	147.10	378
J-25	108.70	0	147.10	376
J-26	106.00	0	147.10	402
J-27	105.75	0	147.10	405
J-28	105.60	0	147.10	412
J-29	106.00	0	147.10	402
J-30	104.70	0	147.10	415
J-31	100.50	0	147.10	456
J-32	106.50	0	147.10	397
J-34	107.20	0	147.10	390
J-35	106.20	0	147.10	400
J-39	109.00	0	147.10	373
J-44	108.80	0	147.10	375
J-46	109.75	0	147.10	366
J-57	109.30	0	147.10	370
J-58	108.85	0	147.10	374
J-59	109.10	0	147.10	372
J-73	107.75	0	147.10	386

Quinn's Pointe Phases 6-8
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-75	107.50	0	147.10	388
J-77	107.50	0	147.10	390
J-83	105.90	0	147.10	405
J-87	105.80	0	147.10	407
J-88	105.30	0	147.10	409
J-90	106.56	0	147.10	397
J-94	104.65	0	147.10	419
J-96	104.45	0	147.10	420
J-101	103.30	0	147.10	429

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 7 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	147.10	147.10	0	0.00
P-67(1)	54.8	204	PVC	110	147.10	147.10	0	0.00
P-67(2)	133.9	204	PVC	110	147.10	147.10	0	0.00
P-4	88.7	297	PVC	120	147.10	147.10	0	0.00
P-9	69.5	297	PVC	120	147.10	147.10	0	0.00
P-10	176.3	297	PVC	120	147.10	147.10	0	0.00
P-11	155.2	297	PVC	120	147.10	147.10	0	0.00
P-12(1)	41.4	297	PVC	120	147.10	147.10	0	0.00
P-23	32.5	297	PVC	120	147.10	147.10	0	0.00
P-2(1)	182.6	297	PVC	120	147.10	147.10	0	0.00
P-2(2)	151.7	297	PVC	120	147.10	147.10	0	0.00
P-3(1)	97.2	297	PVC	120	147.10	147.10	0	0.00
P-27	149.0	297	PVC	120	147.10	147.10	0	0.00
P-12(2)(2)(2)	70.2	297	PVC	120	147.10	147.10	0	0.00
P-30	30.3	297	PVC	120	147.10	147.10	0	0.00
P-24(1)(1)	80.4	297	PVC	120	147.10	147.10	0	0.00
P-24(1)(2)	72.8	297	PVC	120	147.10	147.10	0	0.00
P-24(2)(1)	159.8	297	PVC	120	147.10	147.10	0	0.00
P-24(2)(2)	26.8	297	PVC	120	147.10	147.10	0	0.00
P-21(1)	162.2	297	PVC	120	147.10	147.10	0	0.00
P-3(2)(2)(2)	64.1	297	PVC	120	147.10	147.10	0	0.00
P-43	150.5	297	PVC	120	147.10	147.10	0	0.00
P-21(2)(1)	30.8	297	PVC	120	147.10	147.10	0	0.00
P-21(2)(2)	41.6	297	PVC	120	147.10	147.10	0	0.00
P-44(2)	48.0	297	PVC	120	147.10	147.10	0	0.00

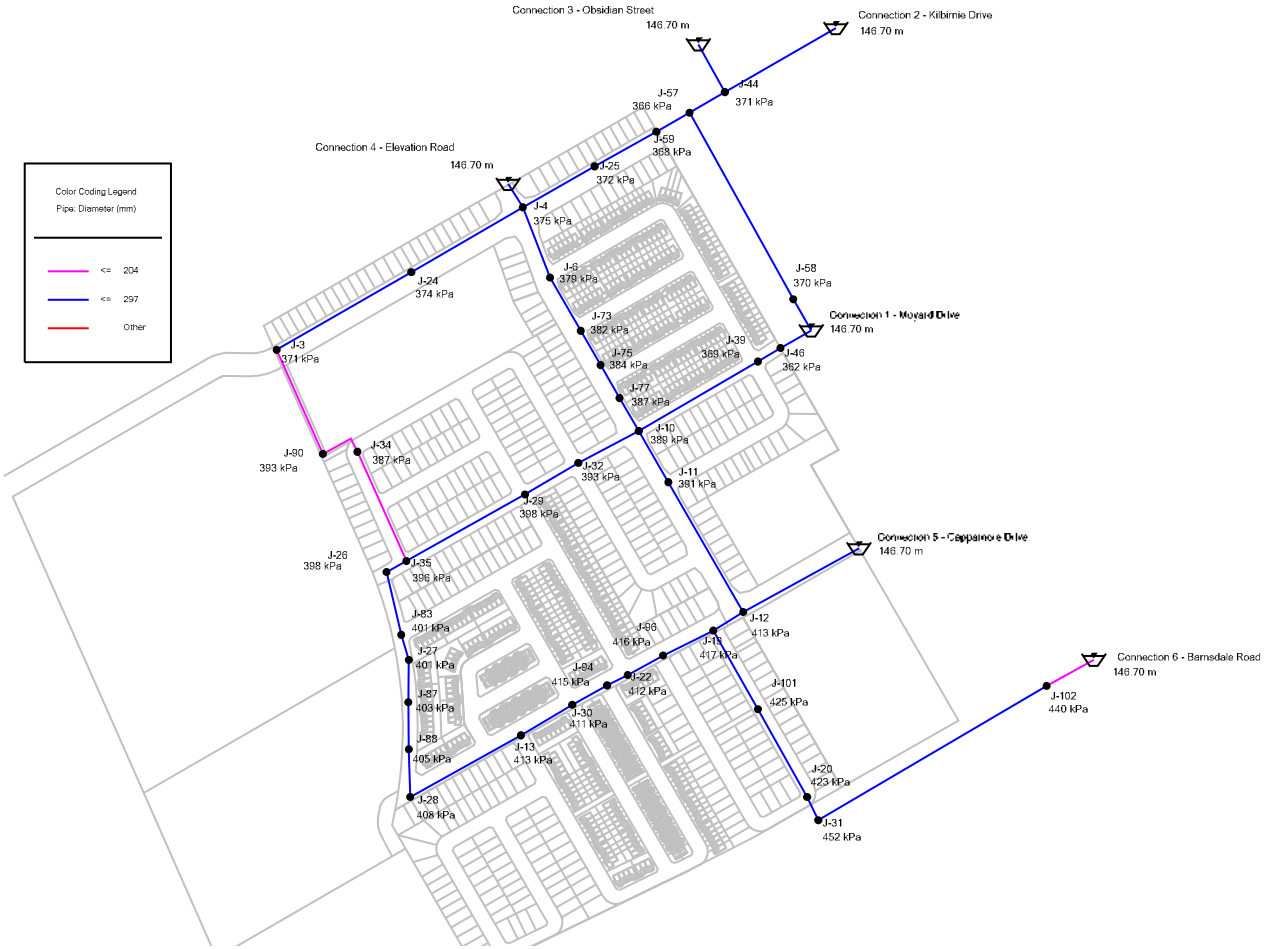
Quinn's Pointe Phases 6-8

Phase 7 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	147.10	147.10	0	0.00
P-55(2)	42.4	297	PVC	120	147.10	147.10	0	0.00
P-44(1)(1)	83.2	297	PVC	120	147.10	147.10	0	0.00
P-44(1)(2)	45.0	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(1)	72.2	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(2)(2)(1)	46.5	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	147.10	147.10	0	0.00
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	147.10	147.10	0	0.00
P-25(1)	75.8	297	PVC	120	147.10	147.10	0	0.00
P-25(2)	30.8	297	PVC	120	147.10	147.10	0	0.00
P-26(1)	49.9	297	PVC	120	147.10	147.10	0	0.00
P-26(2)(1)	55.3	297	PVC	120	147.10	147.10	0	0.00
P-26(2)(2)	56.1	297	PVC	120	147.10	147.10	0	0.00
P-66(1)	46.9	297	PVC	120	147.10	147.10	0	0.00
P-66(2)	27.1	297	PVC	120	147.10	147.10	0	0.00
P-12(2)(1)(1)	66.0	297	PVC	120	147.10	147.10	0	0.00
P-12(2)(1)(2)	47.4	297	PVC	120	147.10	147.10	0	0.00
P-18(1)	106.2	297	PVC	120	147.10	147.10	0	0.00
P-18(2)	118.4	297	PVC	120	147.10	147.10	0	0.00

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	146.70	371
J-4	108.40	0	146.70	375
J-6	108.00	0	146.70	379
J-10	107.00	0	146.70	389
J-11	106.75	0	146.70	391
J-12	104.50	0	146.70	413
J-13	104.93	0	146.70	413
J-19	104.20	0	146.70	417
J-20	103.45	0	146.70	423
J-22	104.60	0	146.70	412
J-24	108.50	0	146.70	374
J-25	108.70	0	146.70	372
J-26	106.00	0	146.70	398
J-27	105.75	0	146.70	401
J-28	105.60	0	146.70	408
J-29	106.00	0	146.70	398
J-30	104.70	0	146.70	411
J-31	100.50	0	146.70	452
J-32	106.50	0	146.70	393
J-34	107.20	0	146.70	387
J-35	106.20	0	146.70	396
J-39	109.00	0	146.70	369
J-44	108.80	0	146.70	371
J-46	109.75	0	146.70	362
J-52	104.05	0	146.70	417
J-57	109.30	0	146.70	366
J-58	108.85	0	146.70	370
J-59	109.10	0	146.70	368

Quinn's Pointe Phases 6-8

Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-73	107.75	0	146.70	382
J-75	107.50	0	146.70	384
J-77	107.50	0	146.70	387
J-83	105.90	0	146.70	401
J-87	105.80	0	146.70	403
J-88	105.30	0	146.70	405
J-90	106.56	0	146.70	393
J-94	104.65	0	146.70	415
J-96	104.45	0	146.70	416
J-101	103.30	0	146.70	425

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum HGL
Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	146.70	146.70	0	0.00
P-67(1)	54.8	204	PVC	110	146.70	146.70	0	0.00
P-67(2)	133.9	204	PVC	110	146.70	146.70	0	0.00
P-4	88.7	297	PVC	120	146.70	146.70	0	0.00
P-9	69.5	297	PVC	120	146.70	146.70	0	0.00
P-10	176.3	297	PVC	120	146.70	146.70	0	0.00
P-11	155.2	297	PVC	120	146.70	146.70	0	0.00
P-12(1)	41.4	297	PVC	120	146.70	146.70	0	0.00
P-23	32.5	297	PVC	120	146.70	146.70	0	0.00
P-2(1)	182.6	297	PVC	120	146.70	146.70	0	0.00
P-2(2)	151.7	297	PVC	120	146.70	146.70	0	0.00
P-3(1)	97.2	297	PVC	120	146.70	146.70	0	0.00
P-27	149.0	297	PVC	120	146.70	146.70	0	0.00
P-12(2)(2)(2)	70.2	297	PVC	120	146.70	146.70	0	0.00
P-30	30.3	297	PVC	120	146.70	146.70	0	0.00
P-24(1)(1)	80.4	297	PVC	120	146.70	146.70	0	0.00
P-24(1)(2)	72.8	297	PVC	120	146.70	146.70	0	0.00
P-24(2)(1)	159.8	297	PVC	120	146.70	146.70	0	0.00
P-24(2)(2)	26.8	297	PVC	120	146.70	146.70	0	0.00
P-21(1)	162.2	297	PVC	120	146.70	146.70	0	0.00
P-3(2)(2)(2)	64.1	297	PVC	120	146.70	146.70	0	0.00
P-43	150.5	297	PVC	120	146.70	146.70	0	0.00
P-21(2)(1)	30.8	297	PVC	120	146.70	146.70	0	0.00
P-21(2)(2)	41.6	297	PVC	120	146.70	146.70	0	0.00
P-44(2)	48.0	297	PVC	120	146.70	146.70	0	0.00

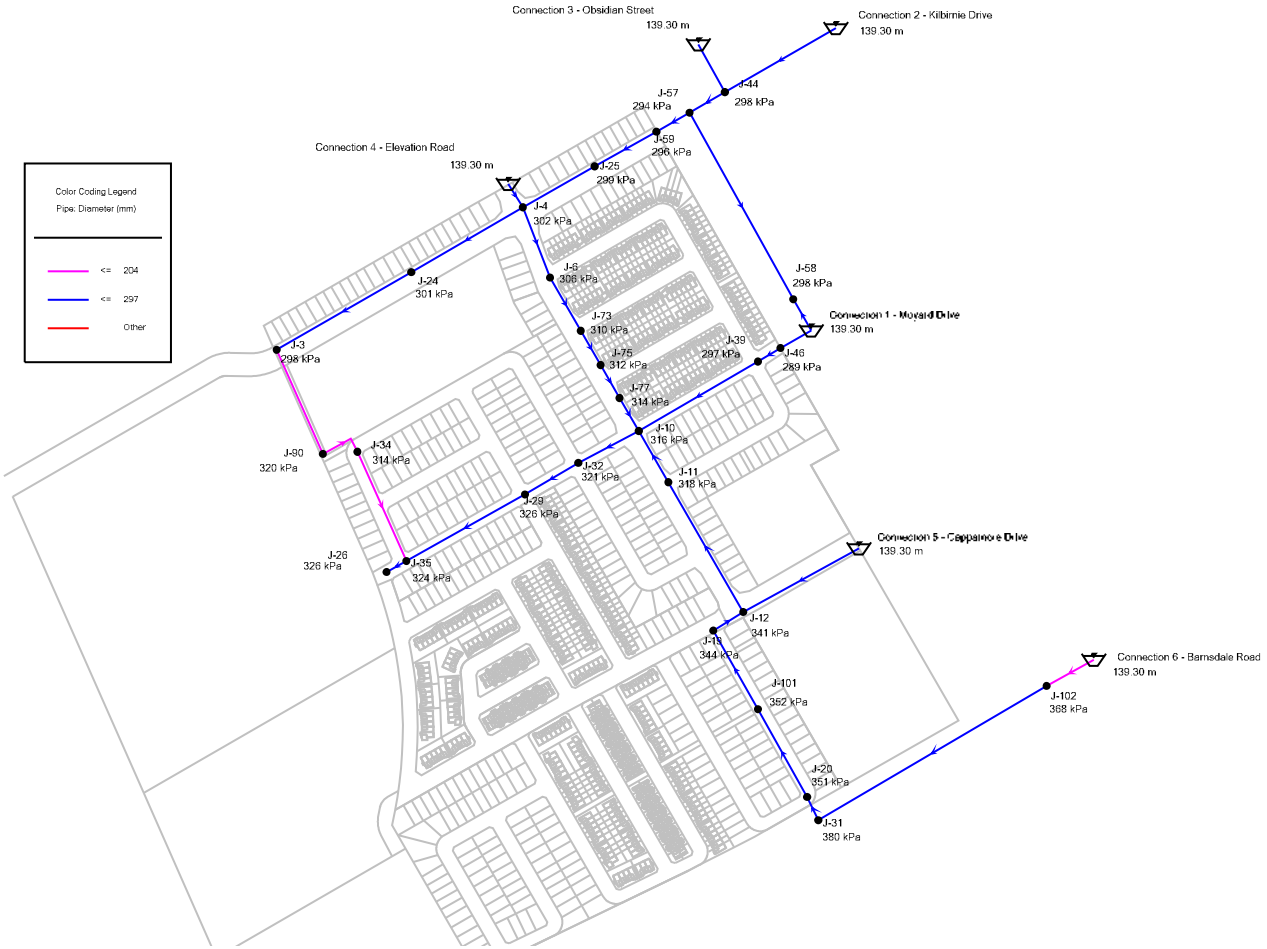
Quinn's Pointe Phases 6-8

Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	146.70	146.70	0	0.00
P-55(2)	42.4	297	PVC	120	146.70	146.70	0	0.00
P-44(1)(1)	83.2	297	PVC	120	146.70	146.70	0	0.00
P-44(1)(2)	45.0	297	PVC	120	146.70	146.70	0	0.00
P-29(1)(1)	72.2	297	PVC	120	146.70	146.70	0	0.00
P-29(1)(2)(2)(1)	46.5	297	PVC	120	146.70	146.70	0	0.00
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	146.70	146.70	0	0.00
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	146.70	146.70	0	0.00
P-25(1)	75.8	297	PVC	120	146.70	146.70	0	0.00
P-25(2)	30.8	297	PVC	120	146.70	146.70	0	0.00
P-26(1)	49.9	297	PVC	120	146.70	146.70	0	0.00
P-26(2)(1)	55.3	297	PVC	120	146.70	146.70	0	0.00
P-26(2)(2)	56.1	297	PVC	120	146.70	146.70	0	0.00
P-66(1)	46.9	297	PVC	120	146.70	146.70	0	0.00
P-66(2)	27.1	297	PVC	120	146.70	146.70	0	0.00
P-12(2)(1)(1)	66.0	297	PVC	120	146.70	146.70	0	0.00
P-12(2)(1)(2)	47.4	297	PVC	120	146.70	146.70	0	0.00
P-18(1)	106.2	297	PVC	120	146.70	146.70	0	0.00
P-18(2)	118.4	297	PVC	120	146.70	146.70	0	0.00

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 6 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	139.29	298
J-4	108.40	0	139.30	302
J-6	108.00	5	139.29	306
J-10	107.00	5	139.29	316
J-11	106.75	0	139.29	318
J-12	104.50	5	139.29	341
J-19	104.20	0	139.29	344
J-20	103.45	0	139.29	351
J-24	108.50	0	139.30	301
J-25	108.70	0	139.30	299
J-26	106.00	7	139.27	326
J-29	106.00	3	139.28	326
J-31	100.50	0	139.29	380
J-32	106.50	0	139.28	321
J-34	107.20	0	139.28	314
J-35	106.20	0	139.27	324
J-39	109.00	0	139.30	297
J-44	108.80	0	139.30	298
J-46	109.75	0	139.30	289
J-57	109.30	0	139.30	294
J-58	108.85	7	139.30	298
J-59	109.10	0	139.30	296
J-73	107.75	0	139.29	310
J-75	107.50	0	139.29	312
J-77	107.50	0	139.29	314
J-90	106.56	0	139.29	320
J-101	103.30	0	139.29	352

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 6 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	139.28	139.27	2	0.08
P-67(1)	54.8	204	PVC	110	139.28	139.29	-2	0.08
P-67(2)	133.9	204	PVC	110	139.29	139.29	-2	0.08
P-4	88.7	297	PVC	120	139.30	139.29	8	0.11
P-9	69.5	297	PVC	120	139.29	139.29	-3	0.05
P-10	176.3	297	PVC	120	139.29	139.29	-3	0.05
P-11	155.2	297	PVC	120	139.29	139.30	-7	0.09
P-12(1)	41.4	297	PVC	120	139.29	139.29	-2	0.02
P-23	32.5	297	PVC	120	139.30	139.30	-8	0.12
P-2(1)	182.6	297	PVC	120	139.29	139.30	-2	0.04
P-2(2)	151.7	297	PVC	120	139.30	139.30	-2	0.04
P-3(1)	97.2	297	PVC	120	139.30	139.30	-2	0.03
P-30	30.3	297	PVC	120	139.29	139.29	-2	0.02
P-24(1)(1)	80.4	297	PVC	120	139.29	139.28	8	0.11
P-24(1)(2)	72.8	297	PVC	120	139.28	139.28	8	0.11
P-24(2)(1)	159.8	297	PVC	120	139.28	139.27	5	0.07
P-24(2)(2)	26.8	297	PVC	120	139.27	139.27	7	0.10
P-21(1)	162.2	297	PVC	120	139.29	139.30	-6	0.09
P-3(2)(2)(2)	64.1	297	PVC	120	139.30	139.30	-2	0.03
P-43	150.5	297	PVC	120	139.30	139.30	-1	0.02
P-21(2)(1)	30.8	297	PVC	120	139.30	139.30	-6	0.09
P-21(2)(2)	41.6	297	PVC	120	139.30	139.30	-6	0.09
P-44(2)	48.0	297	PVC	120	139.30	139.30	-3	0.05
P-55(1)	250.8	297	PVC	120	139.30	139.30	1	0.02
P-55(2)	42.4	297	PVC	120	139.30	139.30	-6	0.09
P-44(1)(1)	83.2	297	PVC	120	139.30	139.30	-2	0.03

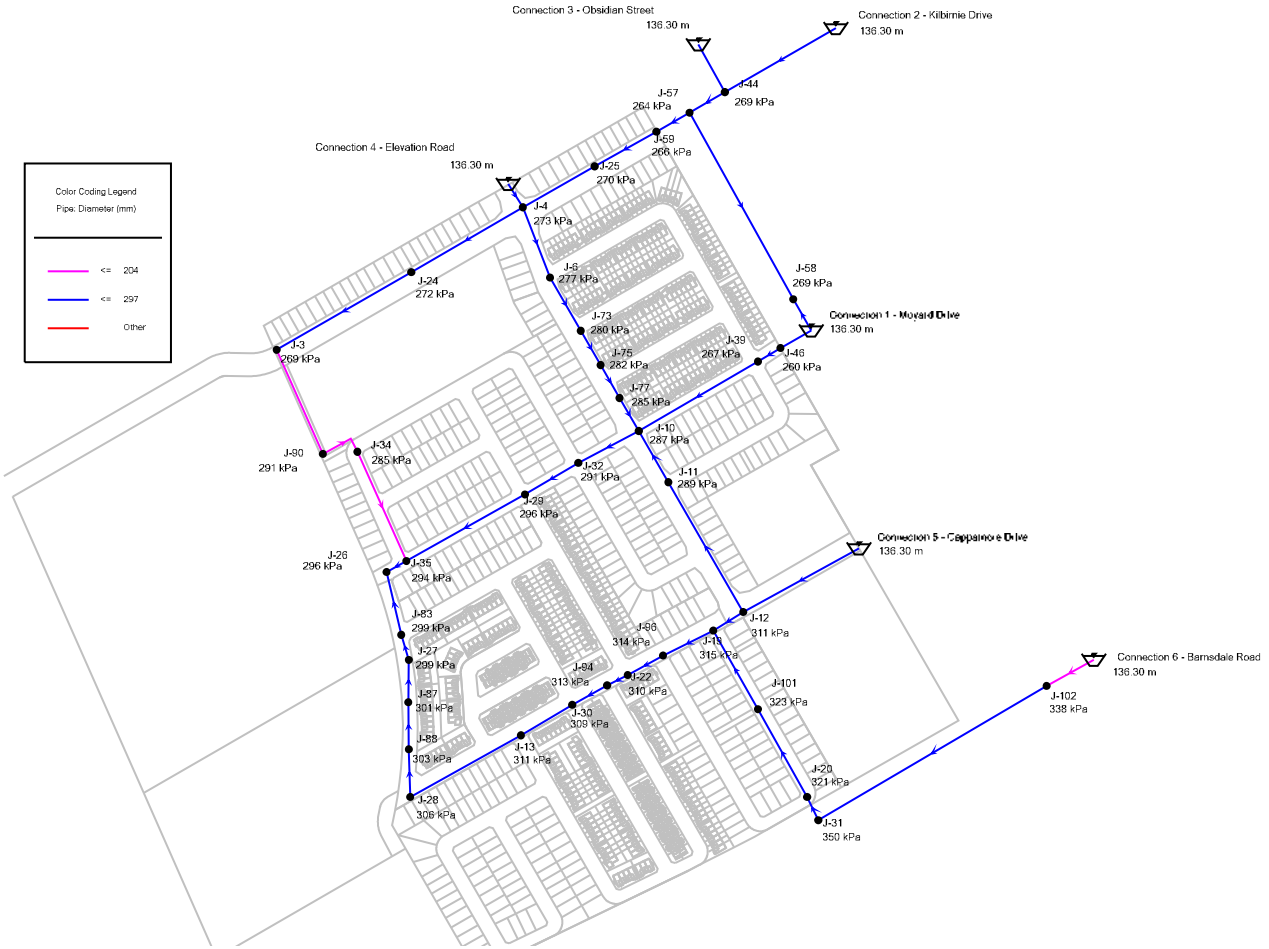
Quinn's Pointe Phases 6-8

Phase 6 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-44(1)(2)	45.0	297	PVC	120	139.30	139.30	-2	0.03
P-29(1)(1)	72.2	297	PVC	120	139.29	139.29	3	0.04
P-29(1)(2)(2)(1)	46.5	297	PVC	120	139.29	139.29	3	0.04
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	139.29	139.29	3	0.04
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	139.29	139.29	3	0.04
P-18(1)	106.2	297	PVC	120	139.29	139.29	-2	0.02
P-18(2)	118.4	297	PVC	120	139.29	139.29	-2	0.02

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	136.29	269
J-4	108.40	0	136.30	273
J-6	108.00	5	136.29	277
J-10	107.00	5	136.29	287
J-11	106.75	0	136.29	289
J-12	104.50	5	136.29	311
J-13	104.93	0	136.28	311
J-19	104.20	0	136.29	315
J-20	103.45	0	136.29	321
J-22	104.60	0	136.28	310
J-24	108.50	0	136.30	272
J-25	108.70	0	136.30	270
J-26	106.00	7	136.28	296
J-27	105.75	0	136.28	299
J-28	105.60	0	136.28	306
J-29	106.00	3	136.28	296
J-30	104.70	5	136.28	309
J-31	100.50	0	136.29	350
J-32	106.50	0	136.28	291
J-34	107.20	0	136.28	285
J-35	106.20	0	136.28	294
J-39	109.00	0	136.30	267
J-44	108.80	0	136.30	269
J-46	109.75	0	136.30	260
J-57	109.30	0	136.30	264
J-58	108.85	7	136.30	269
J-59	109.10	0	136.30	266
J-73	107.75	0	136.29	280

Quinn's Pointe Phases 6-8
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-75	107.50	0	136.29	282
J-77	107.50	0	136.29	285
J-83	105.90	0	136.28	299
J-87	105.80	0	136.28	301
J-88	105.30	0	136.28	303
J-90	106.56	0	136.29	291
J-94	104.65	0	136.28	313
J-96	104.45	0	136.28	314
J-101	103.30	0	136.29	323

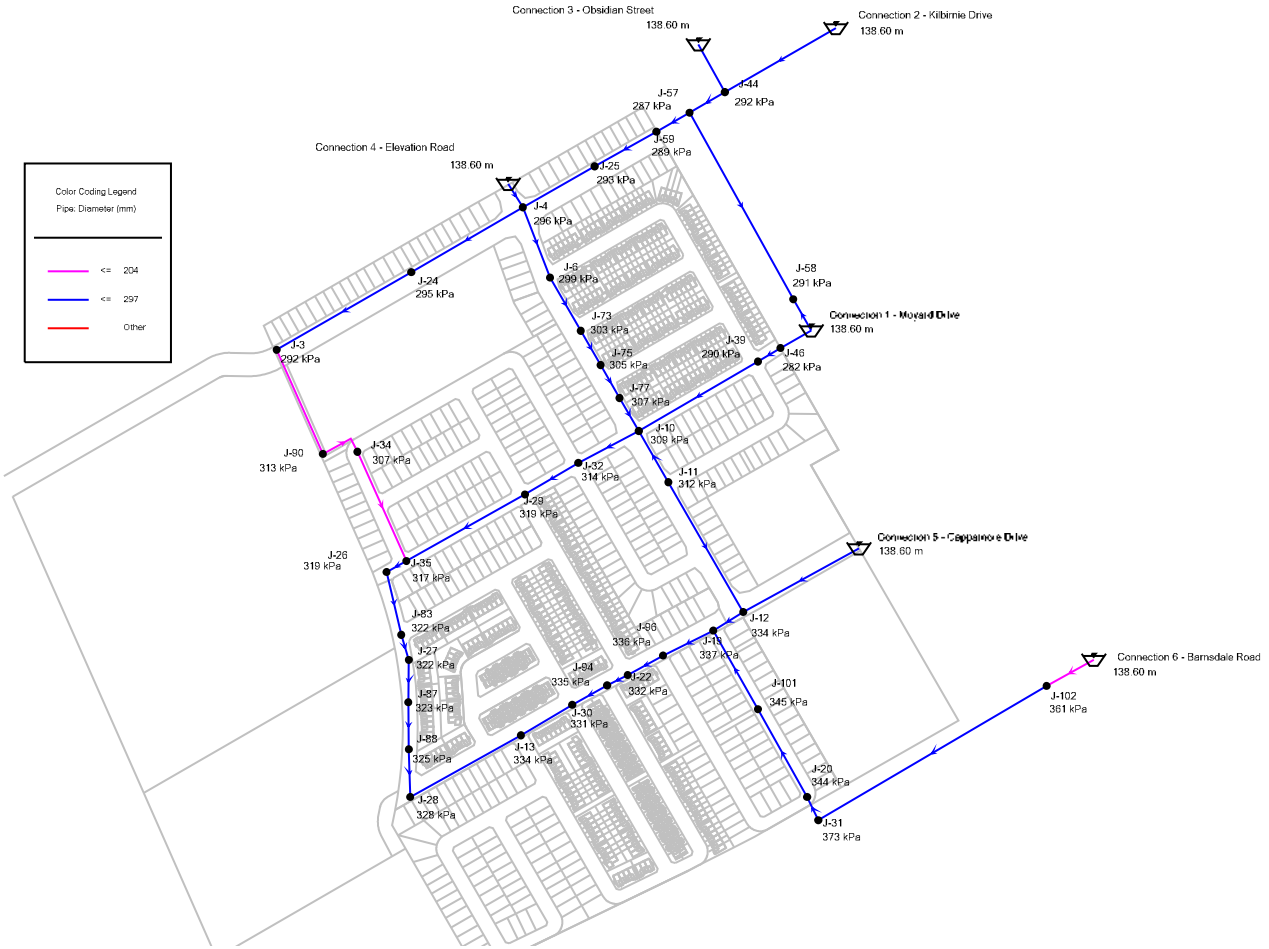
Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 7 Pipe Table
Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	136.28	136.28	2	0.07
P-67(1)	54.8	204	PVC	110	136.28	136.29	-2	0.07
P-67(2)	133.9	204	PVC	110	136.29	136.29	-2	0.07
P-4	88.7	297	PVC	120	136.30	136.29	9	0.12
P-9	69.5	297	PVC	120	136.29	136.29	0	0.00
P-10	176.3	297	PVC	120	136.29	136.29	0	0.00
P-11	155.2	297	PVC	120	136.29	136.30	-9	0.13
P-12(1)	41.4	297	PVC	120	136.29	136.29	4	0.05
P-23	32.5	297	PVC	120	136.30	136.30	-9	0.12
P-2(1)	182.6	297	PVC	120	136.29	136.30	-2	0.03
P-2(2)	151.7	297	PVC	120	136.30	136.30	-2	0.03
P-3(1)	97.2	297	PVC	120	136.30	136.30	-2	0.03
P-27	149.0	297	PVC	120	136.28	136.28	-1	0.02
P-12(2)(2)(2)	70.2	297	PVC	120	136.28	136.28	1	0.02
P-30	30.3	297	PVC	120	136.29	136.29	-2	0.04
P-24(1)(1)	80.4	297	PVC	120	136.29	136.28	6	0.09
P-24(1)(2)	72.8	297	PVC	120	136.28	136.28	6	0.09
P-24(2)(1)	159.8	297	PVC	120	136.28	136.28	3	0.05
P-24(2)(2)	26.8	297	PVC	120	136.28	136.28	6	0.08
P-21(1)	162.2	297	PVC	120	136.29	136.30	-7	0.10
P-3(2)(2)(2)	64.1	297	PVC	120	136.30	136.30	-2	0.03
P-43	150.5	297	PVC	120	136.30	136.30	-1	0.02
P-21(2)(1)	30.8	297	PVC	120	136.30	136.30	-7	0.10
P-21(2)(2)	41.6	297	PVC	120	136.30	136.30	-7	0.10
P-44(2)	48.0	297	PVC	120	136.30	136.30	-4	0.05

Quinn's Pointe Phases 6-8
Phase 7 Pipe Table
Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	136.30	136.30	1	0.02
P-55(2)	42.4	297	PVC	120	136.30	136.30	-6	0.09
P-44(1)(1)	83.2	297	PVC	120	136.30	136.30	-2	0.03
P-44(1)(2)	45.0	297	PVC	120	136.30	136.30	-2	0.03
P-29(1)(1)	72.2	297	PVC	120	136.29	136.29	4	0.06
P-29(1)(2)(2)(1)	46.5	297	PVC	120	136.29	136.29	4	0.06
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	136.29	136.29	4	0.06
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	136.29	136.29	4	0.06
P-25(1)	75.8	297	PVC	120	136.28	136.28	-1	0.02
P-25(2)	30.8	297	PVC	120	136.28	136.28	-1	0.02
P-26(1)	49.9	297	PVC	120	136.28	136.28	-1	0.02
P-26(2)(1)	55.3	297	PVC	120	136.28	136.28	-1	0.02
P-26(2)(2)	56.1	297	PVC	120	136.28	136.28	-1	0.02
P-66(1)	46.9	297	PVC	120	136.28	136.28	-6	0.09
P-66(2)	27.1	297	PVC	120	136.28	136.28	-6	0.09
P-12(2)(1)(1)	66.0	297	PVC	120	136.29	136.28	6	0.09
P-12(2)(1)(2)	47.4	297	PVC	120	136.28	136.28	6	0.09
P-18(1)	106.2	297	PVC	120	136.29	136.29	-2	0.04
P-18(2)	118.4	297	PVC	120	136.29	136.29	-2	0.04

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	138.59	292
J-4	108.40	0	138.60	296
J-6	108.00	5	138.59	299
J-10	107.00	5	138.58	309
J-11	106.75	0	138.58	312
J-12	104.50	5	138.58	334
J-13	104.93	3	138.56	334
J-19	104.20	0	138.58	337
J-20	103.45	0	138.58	344
J-22	104.60	5	138.56	332
J-24	108.50	0	138.59	295
J-25	108.70	0	138.60	293
J-26	106.00	7	138.56	319
J-27	105.75	0	138.56	322
J-28	105.60	2	138.56	328
J-29	106.00	3	138.57	319
J-30	104.70	5	138.56	331
J-31	100.50	0	138.58	373
J-32	106.50	0	138.57	314
J-34	107.20	0	138.57	307
J-35	106.20	0	138.56	317
J-39	109.00	0	138.59	290
J-44	108.80	0	138.60	292
J-46	109.75	0	138.59	282
J-52	104.05	0	138.56	338
J-57	109.30	0	138.60	287
J-58	108.85	7	138.60	291
J-59	109.10	0	138.60	289

Quinn's Pointe Phases 6-8

Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-73	107.75	0	138.59	303
J-75	107.50	0	138.58	305
J-77	107.50	0	138.58	307
J-83	105.90	0	138.56	322
J-87	105.80	0	138.56	323
J-88	105.30	0	138.56	325
J-90	106.56	0	138.58	313
J-94	104.65	0	138.56	335
J-96	104.45	0	138.57	336
J-101	103.30	0	138.58	345

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Peak Hour Demand
Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	138.57	138.56	3	0.08
P-67(1)	54.8	204	PVC	110	138.57	138.58	-3	0.11
P-67(2)	133.9	204	PVC	110	138.58	138.59	-3	0.11
P-4	88.7	297	PVC	120	138.60	138.59	10	0.14
P-9	69.5	297	PVC	120	138.58	138.58	0	0.01
P-10	176.3	297	PVC	120	138.58	138.58	2	0.02
P-11	155.2	297	PVC	120	138.58	138.60	-11	0.16
P-12(1)	41.4	297	PVC	120	138.58	138.58	8	0.11
P-23	32.5	297	PVC	120	138.60	138.60	-10	0.15
P-2(1)	182.6	297	PVC	120	138.59	138.59	-3	0.05
P-2(2)	151.7	297	PVC	120	138.59	138.60	-3	0.05
P-3(1)	97.2	297	PVC	120	138.60	138.60	-3	0.04
P-27	149.0	297	PVC	120	138.56	138.56	0	0.01
P-12(2)(2)(2)	70.2	297	PVC	120	138.56	138.56	2	0.04
P-30	30.3	297	PVC	120	138.58	138.58	-3	0.05
P-24(1)(1)	80.4	297	PVC	120	138.58	138.57	10	0.15
P-24(1)(2)	72.8	297	PVC	120	138.57	138.57	8	0.11
P-24(2)(1)	159.8	297	PVC	120	138.57	138.56	5	0.07
P-24(2)(2)	26.8	297	PVC	120	138.56	138.56	7	0.11
P-21(1)	162.2	297	PVC	120	138.58	138.59	-7	0.10
P-3(2)(2)(2)	64.1	297	PVC	120	138.60	138.60	-2	0.03
P-43	150.5	297	PVC	120	138.60	138.60	-2	0.02
P-21(2)(1)	30.8	297	PVC	120	138.59	138.59	-12	0.17
P-21(2)(2)	41.6	297	PVC	120	138.59	138.60	-12	0.17
P-44(2)	48.0	297	PVC	120	138.60	138.60	-4	0.06

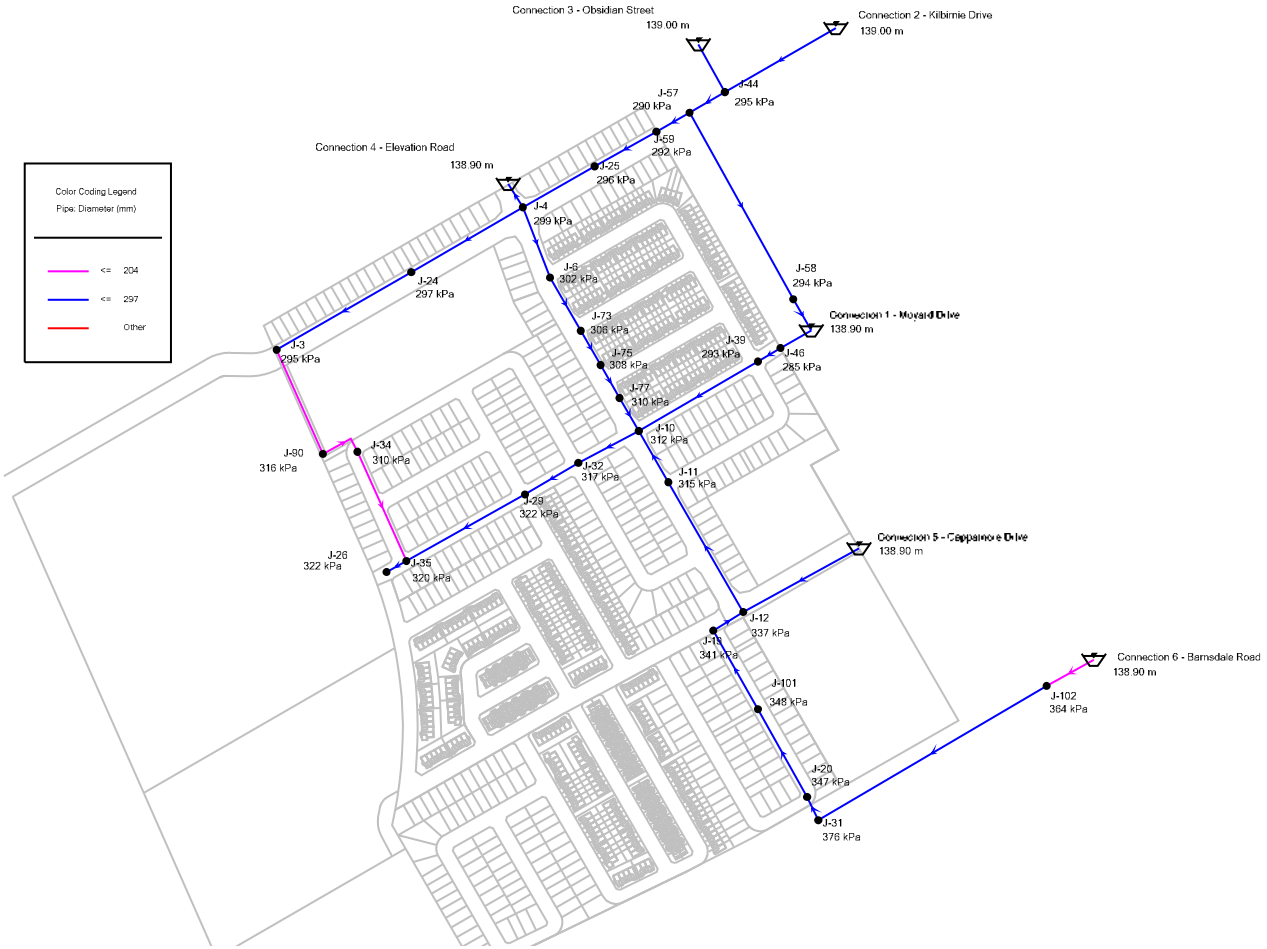
Quinn's Pointe Phases 6-8

Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	138.60	138.60	1	0.02
P-55(2)	42.4	297	PVC	120	138.60	138.60	-6	0.09
P-44(1)(1)	83.2	297	PVC	120	138.60	138.60	-3	0.04
P-44(1)(2)	45.0	297	PVC	120	138.60	138.60	-3	0.04
P-29(1)(1)	72.2	297	PVC	120	138.59	138.59	4	0.06
P-29(1)(2)(2)(1)	46.5	297	PVC	120	138.59	138.58	5	0.07
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	138.58	138.58	6	0.09
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	138.58	138.58	7	0.11
P-25(1)	75.8	297	PVC	120	138.56	138.56	0	0.01
P-25(2)	30.8	297	PVC	120	138.56	138.56	1	0.02
P-26(1)	49.9	297	PVC	120	138.56	138.56	1	0.02
P-26(2)(1)	55.3	297	PVC	120	138.56	138.56	2	0.03
P-26(2)(2)	56.1	297	PVC	120	138.56	138.56	2	0.03
P-66(1)	46.9	297	PVC	120	138.56	138.56	-6	0.09
P-66(2)	27.1	297	PVC	120	138.56	138.56	-7	0.11
P-12(2)(1)(1)	66.0	297	PVC	120	138.58	138.57	10	0.14
P-12(2)(1)(2)	47.4	297	PVC	120	138.57	138.56	11	0.16
P-18(1)	106.2	297	PVC	120	138.58	138.58	-2	0.03
P-18(2)	118.4	297	PVC	120	138.58	138.58	-2	0.03

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 6 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	138.89	295
J-4	108.40	0	138.90	299
J-6	108.00	4	138.89	302
J-10	107.00	6	138.89	312
J-11	106.75	0	138.89	315
J-12	104.50	5	138.89	337
J-19	104.20	0	138.89	341
J-20	103.45	1	138.89	347
J-24	108.50	0	138.90	297
J-25	108.70	0	138.92	296
J-26	106.00	7	138.88	322
J-29	106.00	3	138.89	322
J-31	100.50	0	138.89	376
J-32	106.50	0	138.89	317
J-34	107.20	0	138.89	310
J-35	106.20	0	138.88	320
J-39	109.00	0	138.90	293
J-44	108.80	0	138.98	295
J-46	109.75	0	138.90	285
J-57	109.30	0	138.95	290
J-58	108.85	7	138.90	294
J-59	109.10	0	138.94	292
J-73	107.75	0	138.89	306
J-75	107.50	0	138.89	308
J-77	107.50	0	138.89	310
J-90	106.56	0	138.89	316
J-101	103.30	0	138.89	348

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 6 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	138.89	138.88	1	0.05
P-67(1)	54.8	204	PVC	110	138.89	138.89	-1	0.05
P-67(2)	133.9	204	PVC	110	138.89	138.89	-1	0.05
P-4	88.7	297	PVC	120	138.90	138.89	7	0.11
P-9	69.5	297	PVC	120	138.89	138.89	-2	0.03
P-10	176.3	297	PVC	120	138.89	138.89	-2	0.03
P-11	155.2	297	PVC	120	138.89	138.90	-6	0.09
P-12(1)	41.4	297	PVC	120	138.89	138.89	-1	0.01
P-23	32.5	297	PVC	120	138.90	138.90	2	0.03
P-2(1)	182.6	297	PVC	120	138.89	138.90	-5	0.07
P-2(2)	151.7	297	PVC	120	138.90	138.90	-5	0.07
P-3(1)	97.2	297	PVC	120	138.90	138.92	-14	0.20
P-30	30.3	297	PVC	120	138.89	138.89	-2	0.03
P-24(1)(1)	80.4	297	PVC	120	138.89	138.89	6	0.08
P-24(1)(2)	72.8	297	PVC	120	138.89	138.89	6	0.08
P-24(2)(1)	159.8	297	PVC	120	138.89	138.88	3	0.04
P-24(2)(2)	26.8	297	PVC	120	138.88	138.88	4	0.06
P-21(1)	162.2	297	PVC	120	138.89	138.90	-6	0.08
P-3(2)(2)(2)	64.1	297	PVC	120	138.98	139.00	-17	0.24
P-43	150.5	297	PVC	120	138.98	139.00	-11	0.15
P-21(2)(1)	30.8	297	PVC	120	138.90	138.90	-6	0.08
P-21(2)(2)	41.6	297	PVC	120	138.90	138.90	-6	0.08
P-44(2)	48.0	297	PVC	120	138.95	138.98	-27	0.39
P-55(1)	250.8	297	PVC	120	138.95	138.90	13	0.19
P-55(2)	42.4	297	PVC	120	138.90	138.90	6	0.08
P-44(1)(1)	83.2	297	PVC	120	138.92	138.94	-14	0.20

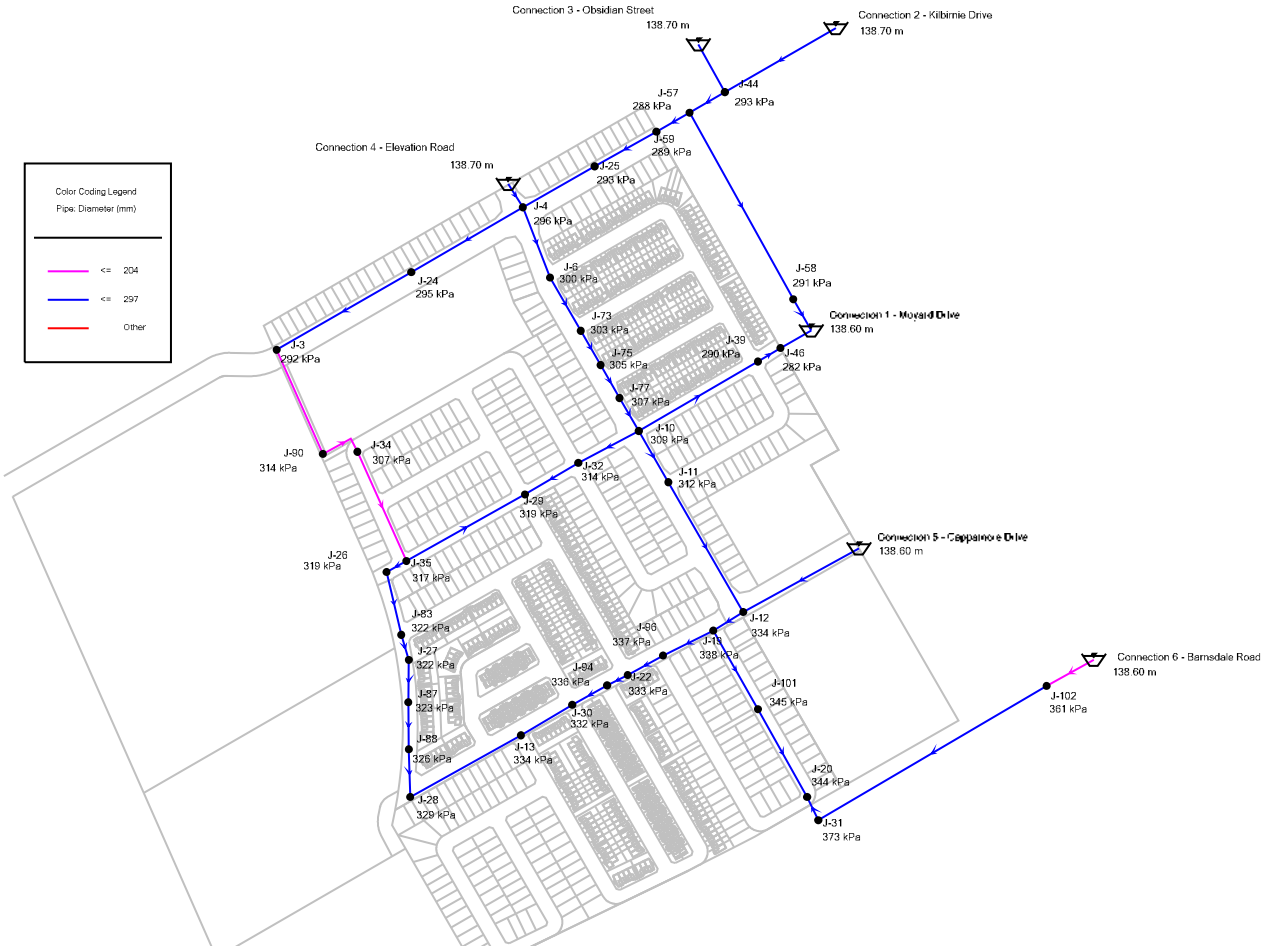
Quinn's Pointe Phases 6-8

Phase 6 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-44(1)(2)	45.0	297	PVC	120	138.94	138.95	-14	0.20
P-29(1)(1)	72.2	297	PVC	120	138.89	138.89	4	0.05
P-29(1)(2)(2)(1)	46.5	297	PVC	120	138.89	138.89	4	0.05
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	138.89	138.89	4	0.05
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	138.89	138.89	4	0.05
P-18(1)	106.2	297	PVC	120	138.89	138.89	-1	0.01
P-18(2)	118.4	297	PVC	120	138.89	138.89	-1	0.01

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	138.64	292
J-4	108.40	0	138.68	296
J-6	108.00	4	138.65	300
J-10	107.00	6	138.60	309
J-11	106.75	0	138.60	312
J-12	104.50	5	138.60	334
J-13	104.93	0	138.60	334
J-19	104.20	0	138.60	338
J-20	103.45	1	138.60	344
J-22	104.60	0	138.60	333
J-24	108.50	0	138.66	295
J-25	108.70	0	138.68	293
J-26	106.00	7	138.60	319
J-27	105.75	0	138.60	322
J-28	105.60	0	138.60	329
J-29	106.00	3	138.60	319
J-30	104.70	4	138.60	332
J-31	100.50	0	138.60	373
J-32	106.50	2	138.60	314
J-34	107.20	0	138.62	307
J-35	106.20	0	138.60	317
J-39	109.00	0	138.60	290
J-44	108.80	0	138.69	293
J-46	109.75	0	138.60	282
J-57	109.30	0	138.68	288
J-58	108.85	7	138.60	291
J-59	109.10	0	138.68	289
J-73	107.75	0	138.63	303

Quinn's Pointe Phases 6-8
Phase 7 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-75	107.50	0	138.62	305
J-77	107.50	0	138.61	307
J-83	105.90	0	138.60	322
J-87	105.80	0	138.60	323
J-88	105.30	0	138.60	326
J-90	106.56	0	138.62	314
J-94	104.65	0	138.60	336
J-96	104.45	0	138.60	337
J-101	103.30	0	138.60	345

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 7 Pipe Table

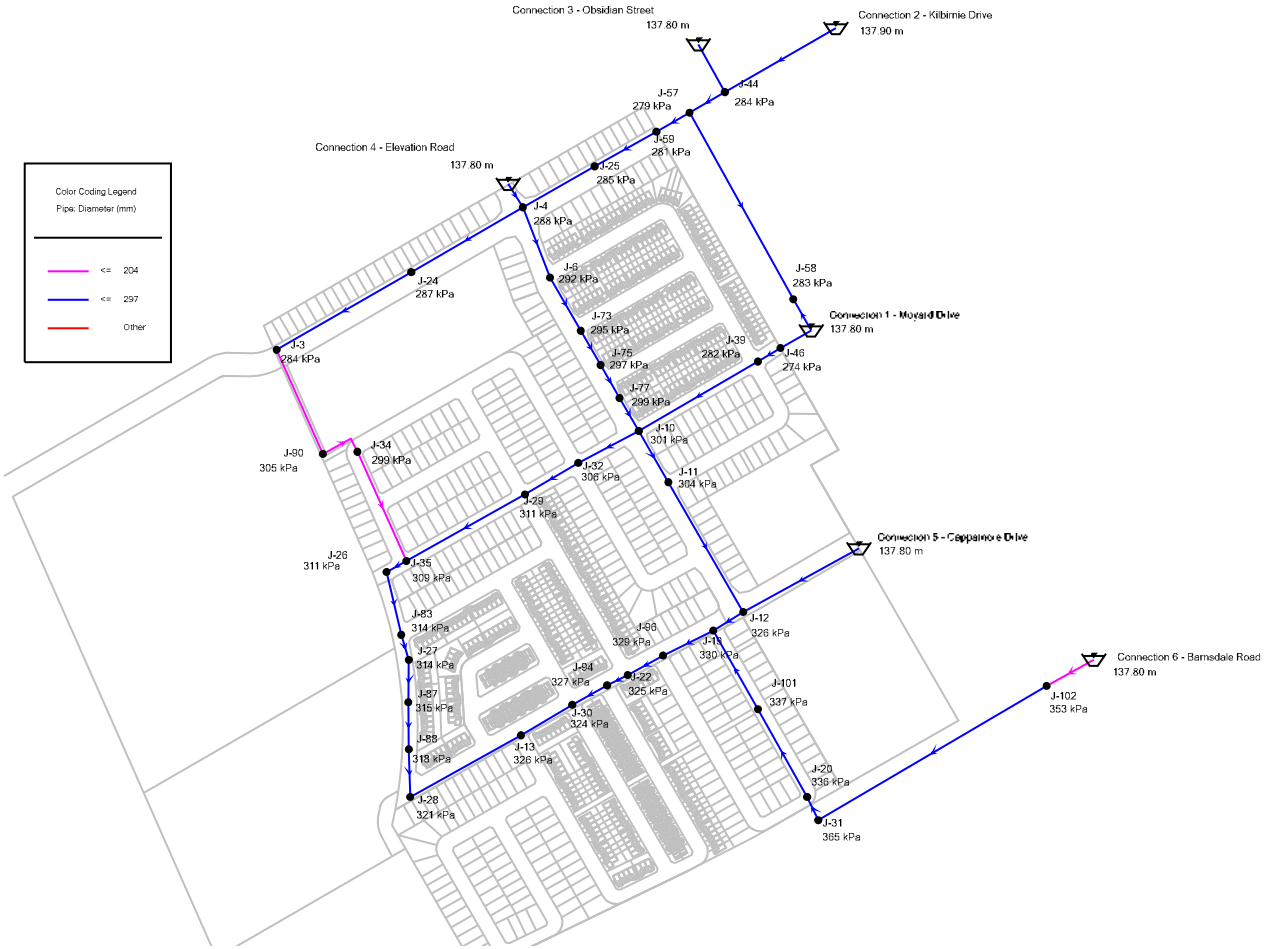
Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	138.62	138.60	4	0.11
P-67(1)	54.8	204	PVC	110	138.62	138.62	-4	0.11
P-67(2)	133.9	204	PVC	110	138.62	138.64	-4	0.11
P-4	88.7	297	PVC	120	138.68	138.65	18	0.27
P-9	69.5	297	PVC	120	138.60	138.60	3	0.05
P-10	176.3	297	PVC	120	138.60	138.60	3	0.05
P-11	155.2	297	PVC	120	138.60	138.60	-4	0.05
P-12(1)	41.4	297	PVC	120	138.60	138.60	2	0.03
P-23	32.5	297	PVC	120	138.68	138.70	-28	0.40
P-2(1)	182.6	297	PVC	120	138.64	138.66	-10	0.15
P-2(2)	151.7	297	PVC	120	138.66	138.68	-10	0.15
P-3(1)	97.2	297	PVC	120	138.68	138.68	-1	0.01
P-27	149.0	297	PVC	120	138.60	138.60	2	0.03
P-12(2)(2)(2)	70.2	297	PVC	120	138.60	138.60	-2	0.03
P-30	30.3	297	PVC	120	138.60	138.60	-1	0.02
P-24(1)(1)	80.4	297	PVC	120	138.60	138.60	4	0.06
P-24(1)(2)	72.8	297	PVC	120	138.60	138.60	2	0.03
P-24(2)(1)	159.8	297	PVC	120	138.60	138.60	-1	0.02
P-24(2)(2)	26.8	297	PVC	120	138.60	138.60	2	0.03
P-21(1)	162.2	297	PVC	120	138.60	138.60	2	0.02
P-3(2)(2)(2)	64.1	297	PVC	120	138.69	138.70	-11	0.16
P-43	150.5	297	PVC	120	138.69	138.70	-7	0.10
P-21(2)(1)	30.8	297	PVC	120	138.60	138.60	2	0.02
P-21(2)(2)	41.6	297	PVC	120	138.60	138.60	2	0.02
P-44(2)	48.0	297	PVC	120	138.68	138.69	-18	0.26

Quinn's Pointe Phases 6-8
Phase 7 Pipe Table
Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	138.68	138.60	17	0.24
P-55(2)	42.4	297	PVC	120	138.60	138.60	9	0.14
P-44(1)(1)	83.2	297	PVC	120	138.68	138.68	-1	0.01
P-44(1)(2)	45.0	297	PVC	120	138.68	138.68	-1	0.01
P-29(1)(1)	72.2	297	PVC	120	138.65	138.63	14	0.21
P-29(1)(2)(2)(1)	46.5	297	PVC	120	138.63	138.62	14	0.21
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	138.62	138.61	14	0.21
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	138.61	138.60	14	0.21
P-25(1)	75.8	297	PVC	120	138.60	138.60	2	0.03
P-25(2)	30.8	297	PVC	120	138.60	138.60	2	0.03
P-26(1)	49.9	297	PVC	120	138.60	138.60	2	0.03
P-26(2)(1)	55.3	297	PVC	120	138.60	138.60	2	0.03
P-26(2)(2)	56.1	297	PVC	120	138.60	138.60	2	0.03
P-66(1)	46.9	297	PVC	120	138.60	138.60	-2	0.03
P-66(2)	27.1	297	PVC	120	138.60	138.60	-2	0.03
P-12(2)(1)(1)	66.0	297	PVC	120	138.60	138.60	2	0.03
P-12(2)(1)(2)	47.4	297	PVC	120	138.60	138.60	2	0.03
P-18(1)	106.2	297	PVC	120	138.60	138.60	0	0.00
P-18(2)	118.4	297	PVC	120	138.60	138.60	0	0.00

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-3	108.80	0	137.78	284
J-4	108.40	0	137.80	288
J-6	108.00	4	137.79	292
J-10	107.00	6	137.78	301
J-11	106.75	0	137.78	304
J-12	104.50	5	137.78	326
J-13	104.93	4	137.76	326
J-19	104.20	0	137.77	330
J-20	103.45	1	137.78	336
J-22	104.60	4	137.76	325
J-24	108.50	0	137.79	287
J-25	108.70	0	137.80	285
J-26	106.00	7	137.76	311
J-27	105.75	0	137.76	314
J-28	105.60	0	137.76	321
J-29	106.00	3	137.77	311
J-30	104.70	4	137.76	324
J-31	100.50	0	137.78	365
J-32	106.50	2	137.77	306
J-34	107.20	0	137.77	299
J-35	106.20	0	137.76	309
J-39	109.00	0	137.79	282
J-44	108.80	0	137.81	284
J-46	109.75	0	137.80	274
J-52	104.05	0	137.76	330
J-57	109.30	0	137.81	279
J-58	108.85	7	137.80	283
J-59	109.10	0	137.80	281

Quinn's Pointe Phases 6-8

Phase 8 Junction Table

Junction Table - Time: 0.00 hours

Label	Elevation (m)	Demand (L/s)	Hydraulic Grade (m)	Pressure (kPa)
J-73	107.75	0	137.78	295
J-75	107.50	0	137.78	297
J-77	107.50	0	137.78	299
J-83	105.90	0	137.76	314
J-87	105.80	0	137.76	315
J-88	105.30	0	137.76	318
J-90	106.56	0	137.77	305
J-94	104.65	0	137.76	327
J-96	104.45	0	137.77	329
J-101	103.30	0	137.78	337

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Peak Hour Demand
Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-34	140.7	204	PVC	110	137.77	137.76	2	0.07
P-67(1)	54.8	204	PVC	110	137.77	137.77	-2	0.07
P-67(2)	133.9	204	PVC	110	137.77	137.78	-2	0.07
P-4	88.7	297	PVC	120	137.80	137.79	10	0.14
P-9	69.5	297	PVC	120	137.78	137.78	1	0.01
P-10	176.3	297	PVC	120	137.78	137.78	1	0.01
P-11	155.2	297	PVC	120	137.78	137.80	-12	0.17
P-12(1)	41.4	297	PVC	120	137.78	137.77	7	0.11
P-23	32.5	297	PVC	120	137.80	137.80	-10	0.15
P-2(1)	182.6	297	PVC	120	137.78	137.79	-7	0.09
P-2(2)	151.7	297	PVC	120	137.79	137.80	-7	0.09
P-3(1)	97.2	297	PVC	120	137.80	137.80	-6	0.09
P-27	149.0	297	PVC	120	137.76	137.76	1	0.02
P-12(2)(2)(2)	70.2	297	PVC	120	137.76	137.76	2	0.03
P-30	30.3	297	PVC	120	137.78	137.78	-3	0.05
P-24(1)(1)	80.4	297	PVC	120	137.78	137.77	9	0.13
P-24(1)(2)	72.8	297	PVC	120	137.77	137.77	7	0.10
P-24(2)(1)	159.8	297	PVC	120	137.77	137.76	4	0.05
P-24(2)(2)	26.8	297	PVC	120	137.76	137.76	6	0.08
P-21(1)	162.2	297	PVC	120	137.78	137.79	-9	0.13
P-3(2)(2)(2)	64.1	297	PVC	120	137.81	137.80	14	0.20
P-43	150.5	297	PVC	120	137.81	137.90	-25	0.35
P-21(2)(1)	30.8	297	PVC	120	137.79	137.80	-9	0.13
P-21(2)(2)	41.6	297	PVC	120	137.80	137.80	-9	0.13
P-44(2)	48.0	297	PVC	120	137.81	137.81	-11	0.16

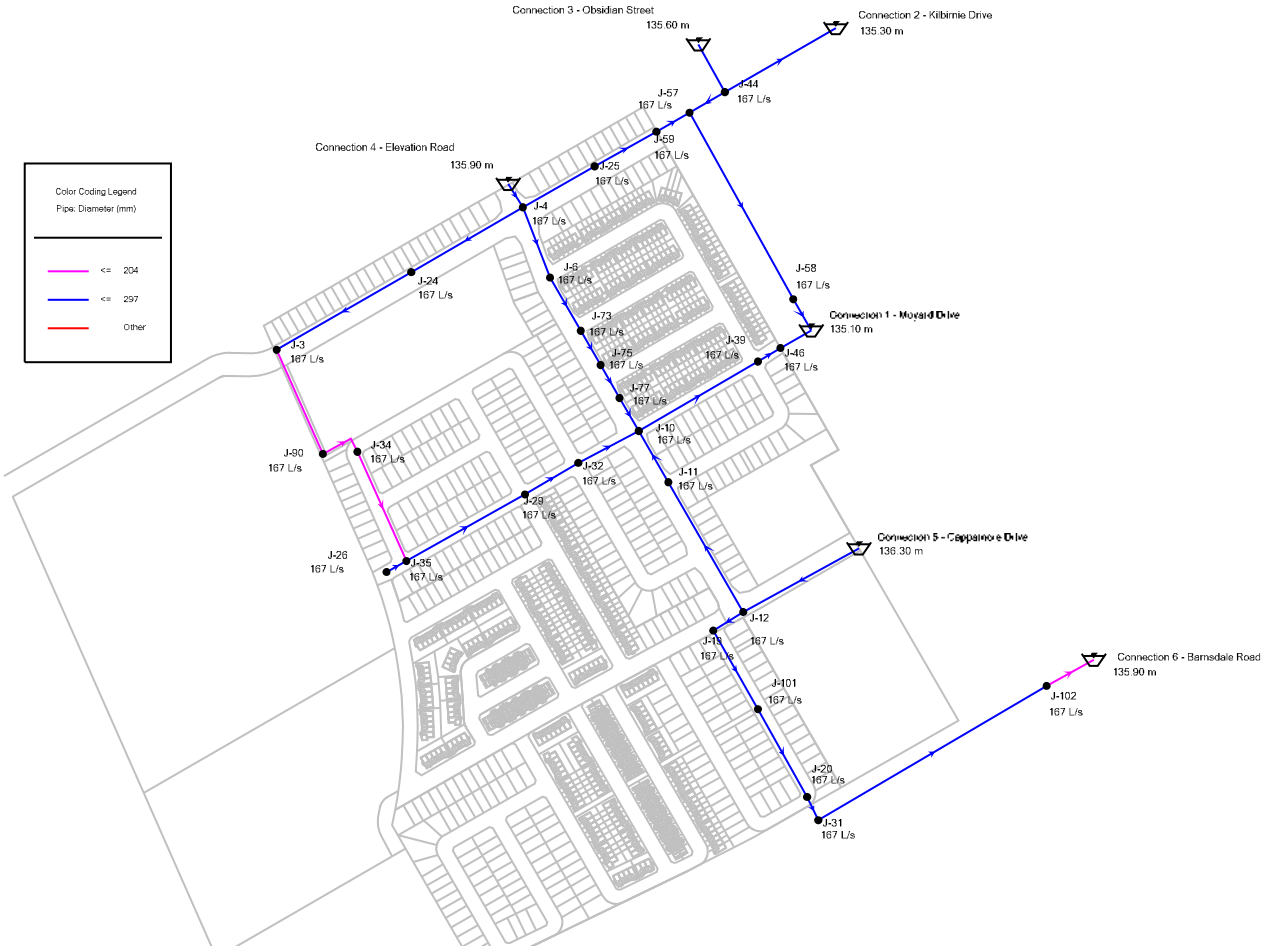
Quinn's Pointe Phases 6-8

Phase 8 Pipe Table

Pipe Table - Time: 0.00 hours

Label	Length (Scaled) (m)	Diameter (mm)	Material	Hazen-Williams C	Hydraulic Grade (Start) (m)	Hydraulic Grade (Stop) (m)	Flow (L/s)	Velocity (m/s)
P-55(1)	250.8	297	PVC	120	137.81	137.80	5	0.07
P-55(2)	42.4	297	PVC	120	137.80	137.80	-3	0.04
P-44(1)(1)	83.2	297	PVC	120	137.80	137.80	-6	0.09
P-44(1)(2)	45.0	297	PVC	120	137.80	137.81	-6	0.09
P-29(1)(1)	72.2	297	PVC	120	137.79	137.78	6	0.09
P-29(1)(2)(2)(1)	46.5	297	PVC	120	137.78	137.78	6	0.09
P-29(1)(2)(2)(2)(1)	44.7	297	PVC	120	137.78	137.78	6	0.09
P-29(1)(2)(2)(2)(2)	45.0	297	PVC	120	137.78	137.78	6	0.09
P-25(1)	75.8	297	PVC	120	137.76	137.76	3	0.04
P-25(2)	30.8	297	PVC	120	137.76	137.76	3	0.04
P-26(1)	49.9	297	PVC	120	137.76	137.76	3	0.04
P-26(2)(1)	55.3	297	PVC	120	137.76	137.76	3	0.04
P-26(2)(2)	56.1	297	PVC	120	137.76	137.76	3	0.04
P-66(1)	46.9	297	PVC	120	137.76	137.76	-6	0.09
P-66(2)	27.1	297	PVC	120	137.76	137.76	-6	0.09
P-12(2)(1)(1)	66.0	297	PVC	120	137.77	137.77	10	0.14
P-12(2)(1)(2)	47.4	297	PVC	120	137.77	137.76	10	0.14
P-18(1)	106.2	297	PVC	120	137.77	137.78	-2	0.03
P-18(2)	118.4	297	PVC	120	137.78	137.78	-2	0.03

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8

Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	167	167	140	234	140	235	J-48
J-4	167	167	140	264	140	249	J-46
J-6	167	169	140	260	140	248	J-46
J-10	167	170	140	273	140	248	J-46
J-11	167	167	140	273	140	248	J-46
J-12	167	172	140	297	140	248	J-46
J-19	167	167	140	296	140	248	J-46
J-20	167	168	140	283	140	248	J-46
J-24	167	167	140	246	140	246	J-48
J-25	167	167	140	255	140	249	J-46
J-26	167	171	140	259	140	240	J-48
J-29	167	169	140	268	140	248	J-46
J-31	167	167	140	310	140	248	J-46
J-32	167	167	140	269	140	248	J-46
J-34	167	167	140	191	140	216	J-90
J-35	167	167	140	259	140	242	J-48
J-39	167	167	140	251	140	246	J-46
J-44	167	167	140	258	140	249	J-46
J-46	167	167	140	245	140	254	J-39
J-57	167	167	140	251	140	249	J-46
J-58	167	172	140	253	140	249	J-46
J-59	167	167	140	251	140	249	J-46
J-73	167	167	140	262	140	248	J-46
J-75	167	167	140	265	140	248	J-46
J-77	167	167	140	268	140	248	J-46
J-90	167	167	140	198	140	210	J-34

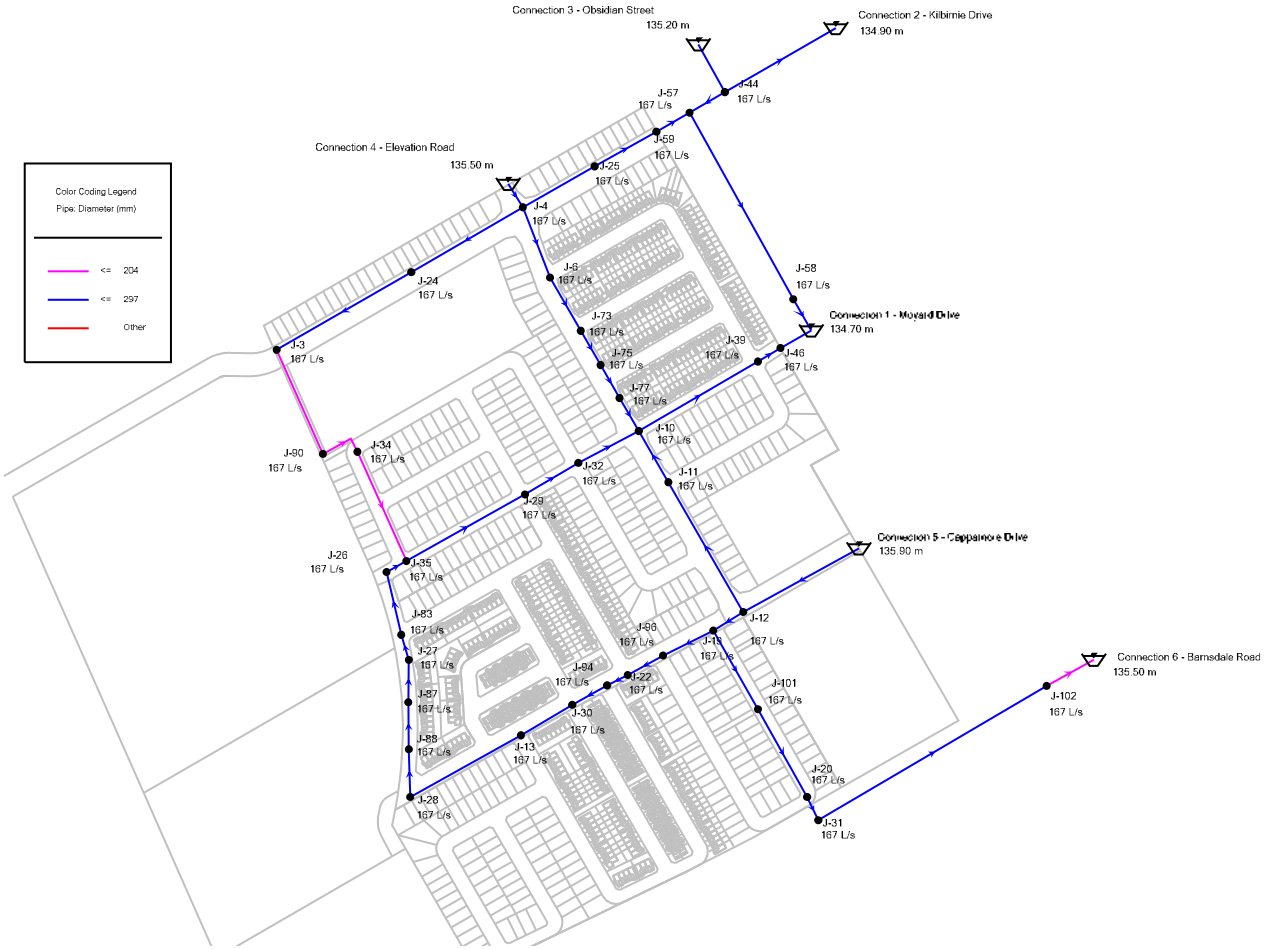
Quinn's Pointe Phases 6-8

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-101	167	167	140	293	140	248	J-46

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8

Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)

Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	167	167	140	235	140	237	J-48
J-4	167	167	140	260	140	245	J-46
J-6	167	169	140	256	140	244	J-46
J-10	167	170	140	270	140	244	J-46
J-11	167	167	140	269	140	244	J-46
J-12	167	172	140	294	140	244	J-46
J-13	167	167	140	276	140	244	J-46
J-19	167	167	140	295	140	244	J-46
J-20	167	168	140	281	140	244	J-46
J-22	167	167	140	281	140	244	J-46
J-24	167	167	140	244	140	245	J-46
J-25	167	167	140	251	140	245	J-46
J-26	167	171	140	269	140	244	J-46
J-27	167	167	140	266	140	244	J-46
J-28	167	167	140	269	140	244	J-46
J-29	167	169	140	270	140	244	J-46
J-30	167	169	140	276	140	244	J-46
J-31	167	167	140	308	140	244	J-46
J-32	167	168	140	268	140	244	J-46
J-34	167	167	140	196	140	221	J-90
J-35	167	167	140	267	140	244	J-46
J-39	167	167	140	247	140	242	J-46
J-44	167	167	140	254	140	245	J-46
J-46	167	167	140	241	140	250	J-39
J-57	167	167	140	248	140	245	J-46
J-58	167	172	140	249	140	245	J-46

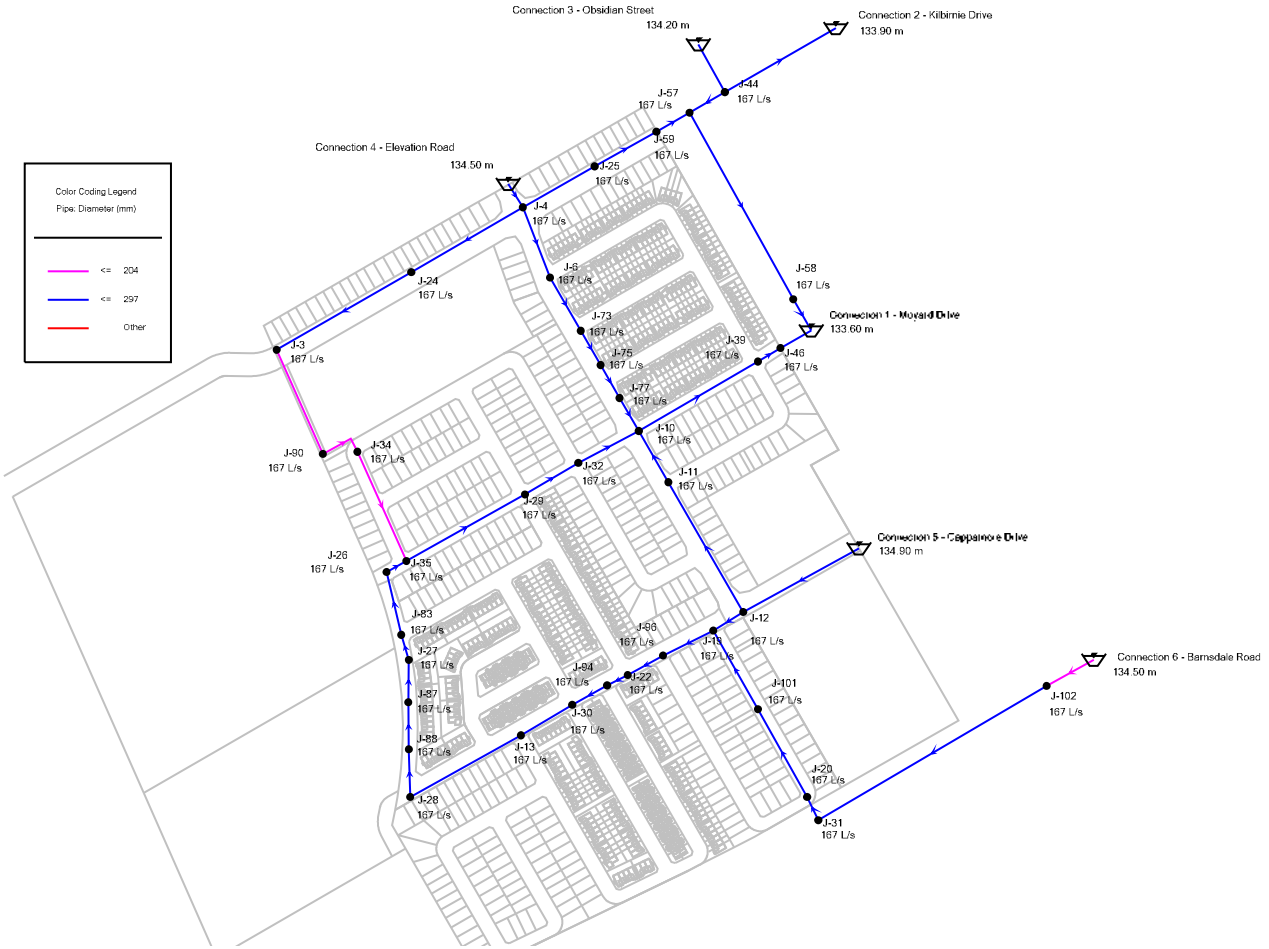
Quinn's Pointe Phases 6-8

Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-59	167	167	140	247	140	245	J-46
J-73	167	167	140	258	140	244	J-46
J-75	167	167	140	261	140	244	J-46
J-77	167	167	140	265	140	244	J-46
J-83	167	167	140	267	140	244	J-46
J-87	167	167	140	266	140	244	J-46
J-88	167	167	140	267	140	244	J-46
J-90	167	167	140	202	140	214	J-34
J-94	167	167	140	282	140	244	J-46
J-96	167	167	140	288	140	244	J-46
J-101	167	167	140	292	140	244	J-46

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8

Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	167	167	140	225	140	227	J-48
J-4	167	167	140	250	140	234	J-46
J-6	167	169	140	246	140	234	J-46
J-10	167	170	140	259	140	233	J-46
J-11	167	167	140	258	140	233	J-46
J-12	167	172	140	284	140	234	J-46
J-13	167	169	140	265	140	234	J-46
J-19	167	167	140	285	140	234	J-46
J-20	167	168	140	270	140	234	J-46
J-22	167	169	140	270	140	234	J-46
J-24	167	167	140	234	140	234	J-46
J-25	167	167	140	241	140	234	J-46
J-26	167	171	140	258	140	233	J-46
J-27	167	167	140	255	140	234	J-46
J-28	167	167	140	258	140	234	J-46
J-29	167	169	140	259	140	233	J-46
J-30	167	169	140	265	140	234	J-46
J-31	167	167	140	297	140	234	J-46
J-32	167	168	140	257	140	233	J-46
J-34	167	167	140	185	140	210	J-90
J-35	167	167	140	256	140	233	J-46
J-39	167	167	140	237	140	231	J-46
J-44	167	167	140	244	140	235	J-46
J-46	167	167	140	231	140	239	J-39
J-52	167	167	140	234	140	234	J-46
J-57	167	167	140	237	140	235	J-46

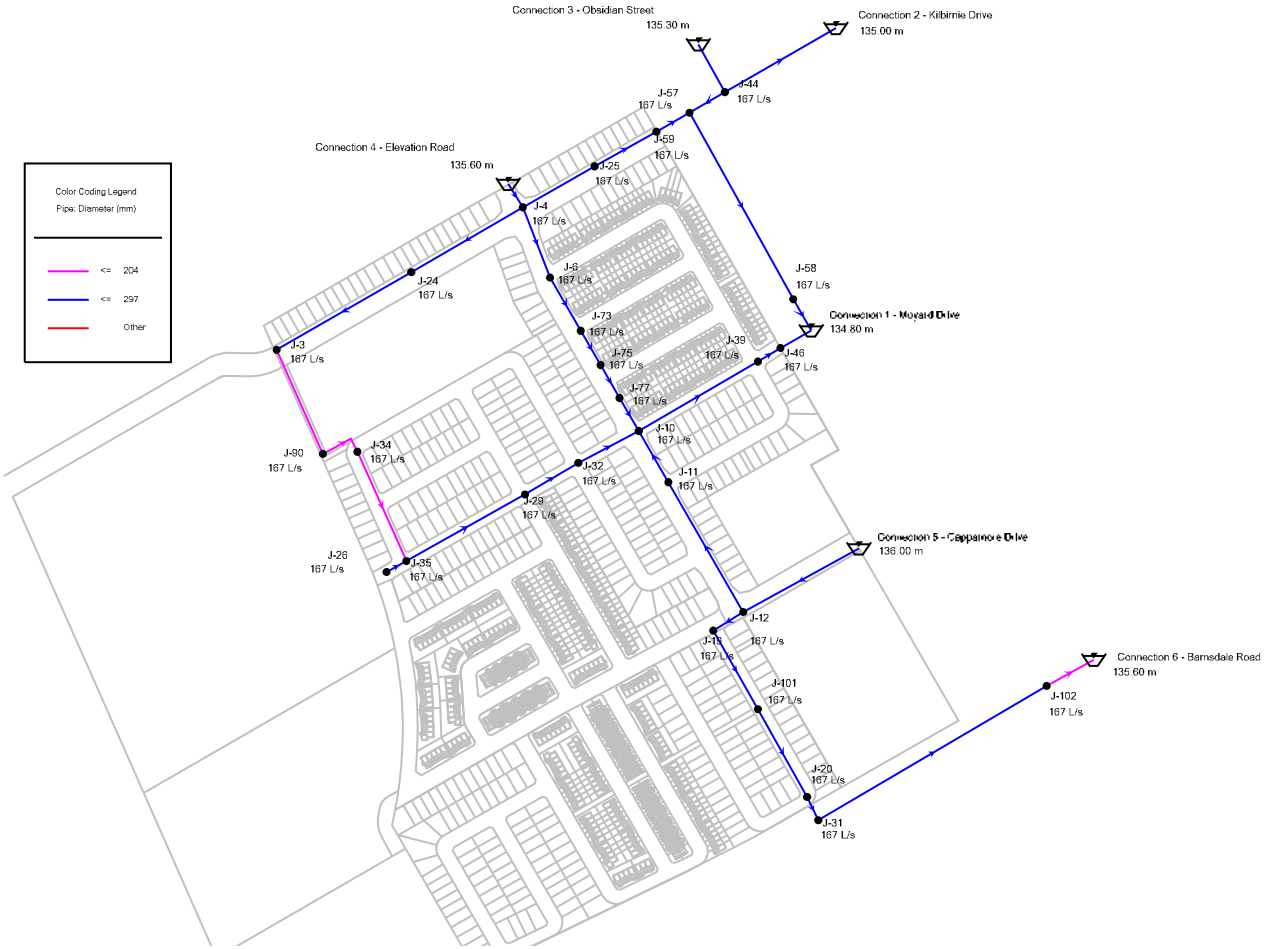
Quinn's Pointe Phases 6-8

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-58	167	172	140	238	140	235	J-46
J-59	167	167	140	237	140	234	J-46
J-73	167	167	140	248	140	233	J-46
J-75	167	167	140	251	140	233	J-46
J-77	167	167	140	254	140	233	J-46
J-83	167	167	140	256	140	234	J-46
J-87	167	167	140	255	140	234	J-46
J-88	167	167	140	256	140	234	J-46
J-90	167	167	140	192	140	204	J-34
J-94	167	167	140	271	140	234	J-46
J-96	167	167	140	277	140	234	J-46
J-101	167	167	140	281	140	234	J-46

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8

Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	167	167	140	231	140	232	J-48
J-4	167	167	140	261	140	246	J-46
J-6	167	169	140	257	140	245	J-46
J-10	167	170	140	270	140	245	J-46
J-11	167	167	140	270	140	245	J-46
J-12	167	172	140	294	140	245	J-46
J-19	167	167	140	293	140	245	J-46
J-20	167	168	140	280	140	245	J-46
J-24	167	167	140	243	140	243	J-48
J-25	167	167	140	252	140	246	J-46
J-26	167	171	140	256	140	237	J-48
J-29	167	169	140	266	140	245	J-46
J-31	167	167	140	307	140	245	J-46
J-32	167	167	140	266	140	245	J-46
J-34	167	167	140	188	140	213	J-90
J-35	167	167	140	256	140	239	J-48
J-39	167	167	140	248	140	243	J-46
J-44	167	167	140	255	140	246	J-46
J-46	167	167	140	242	140	251	J-39
J-57	167	167	140	249	140	246	J-46
J-58	167	172	140	250	140	246	J-46
J-59	167	167	140	248	140	246	J-46
J-73	167	167	140	259	140	245	J-46
J-75	167	167	140	262	140	245	J-46
J-77	167	167	140	266	140	245	J-46
J-90	167	167	140	195	140	207	J-34

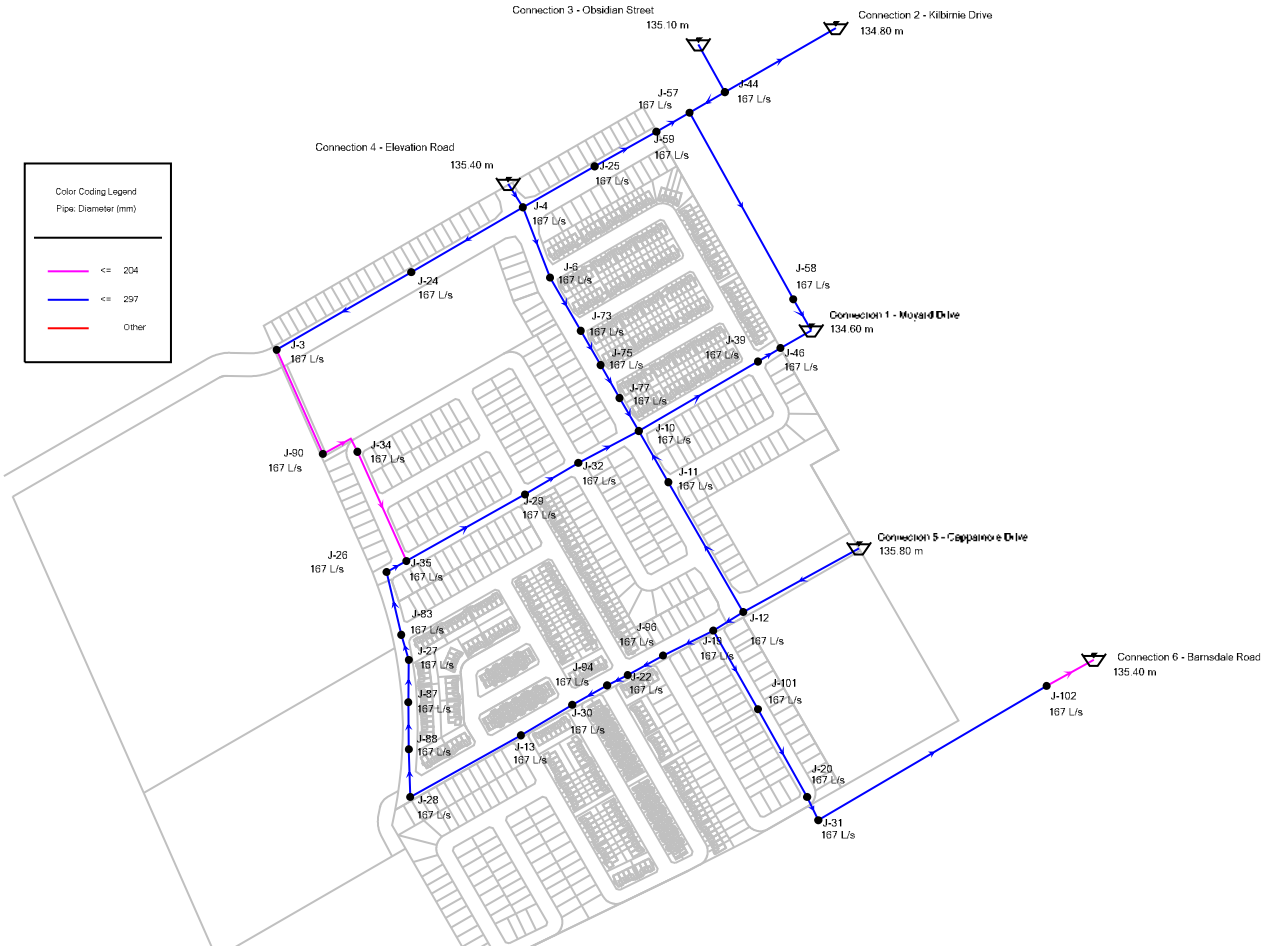
Quinn's Pointe Phases 6-8

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-101	167	167	140	290	140	245	J-46

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8

Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)

Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	167	167	140	234	140	236	J-48
J-4	167	167	140	259	140	244	J-46
J-6	167	169	140	255	140	243	J-46
J-10	167	170	140	269	140	243	J-46
J-11	167	167	140	268	140	243	J-46
J-12	167	172	140	293	140	243	J-46
J-13	167	167	140	275	140	243	J-46
J-19	167	167	140	294	140	243	J-46
J-20	167	168	140	280	140	243	J-46
J-22	167	167	140	280	140	243	J-46
J-24	167	167	140	243	140	244	J-46
J-25	167	167	140	250	140	244	J-46
J-26	167	171	140	268	140	243	J-46
J-27	167	167	140	265	140	243	J-46
J-28	167	167	140	268	140	243	J-46
J-29	167	169	140	269	140	243	J-46
J-30	167	169	140	275	140	243	J-46
J-31	167	167	140	307	140	243	J-46
J-32	167	168	140	267	140	243	J-46
J-34	167	167	140	195	140	220	J-90
J-35	167	167	140	266	140	243	J-46
J-39	167	167	140	246	140	241	J-46
J-44	167	167	140	253	140	244	J-46
J-46	167	167	140	240	140	249	J-39
J-57	167	167	140	247	140	244	J-46
J-58	167	172	140	248	140	244	J-46

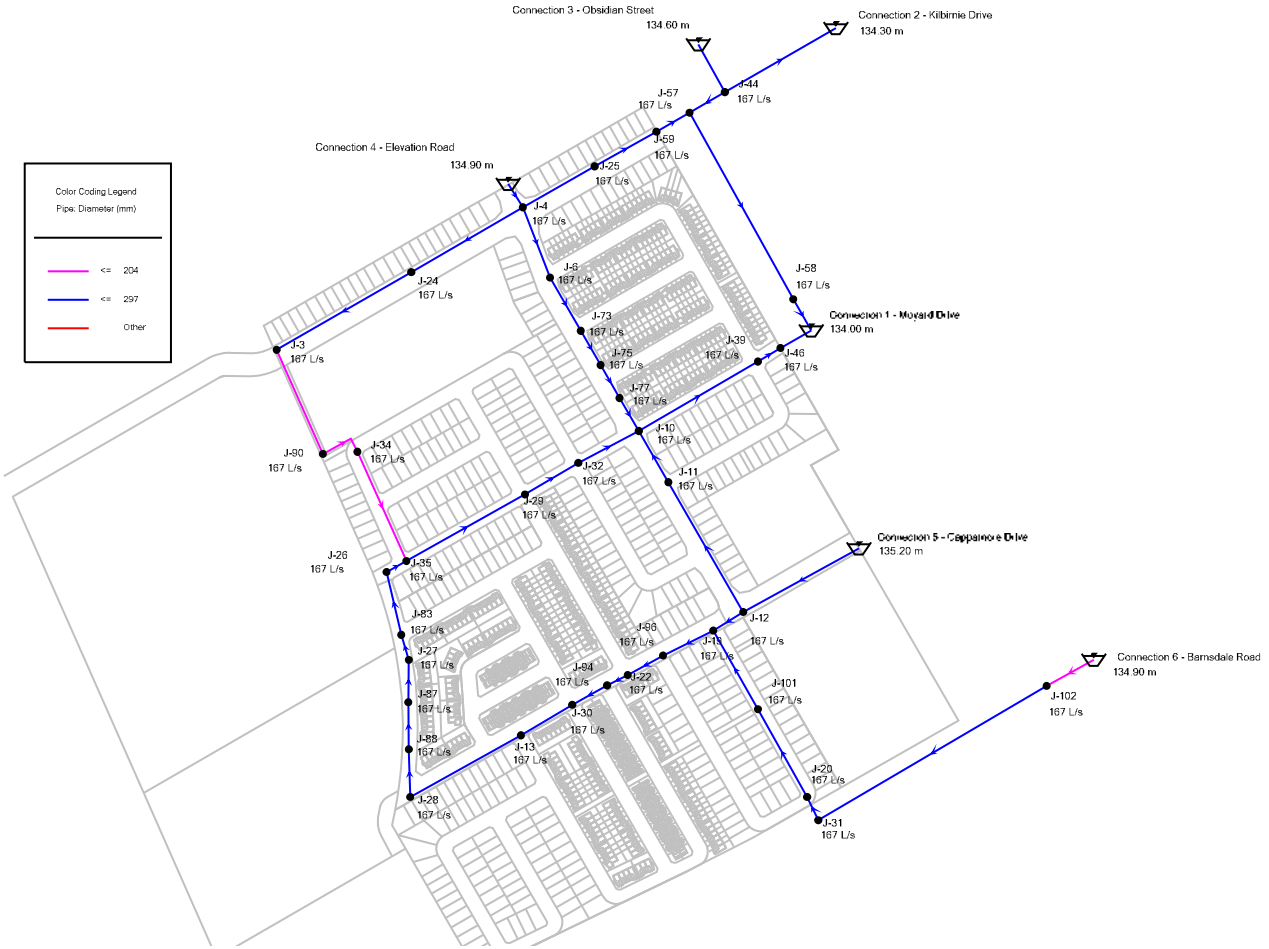
Quinn's Pointe Phases 6-8

Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-59	167	167	140	246	140	244	J-46
J-73	167	167	140	257	140	243	J-46
J-75	167	167	140	260	140	243	J-46
J-77	167	167	140	264	140	243	J-46
J-83	167	167	140	266	140	243	J-46
J-87	167	167	140	265	140	243	J-46
J-88	167	167	140	266	140	243	J-46
J-90	167	167	140	201	140	213	J-34
J-94	167	167	140	281	140	243	J-46
J-96	167	167	140	287	140	243	J-46
J-101	167	167	140	291	140	243	J-46

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8

Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 167 L/s)

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	167	167	140	229	140	231	J-48
J-4	167	167	140	254	140	238	J-46
J-6	167	169	140	250	140	237	J-46
J-10	167	170	140	263	140	237	J-46
J-11	167	167	140	262	140	237	J-46
J-12	167	172	140	287	140	237	J-46
J-13	167	169	140	268	140	237	J-46
J-19	167	167	140	288	140	237	J-46
J-20	167	168	140	274	140	238	J-46
J-22	167	169	140	273	140	237	J-46
J-24	167	167	140	238	140	238	J-46
J-25	167	167	140	245	140	238	J-46
J-26	167	171	140	262	140	237	J-46
J-27	167	167	140	259	140	237	J-46
J-28	167	167	140	262	140	237	J-46
J-29	167	169	140	263	140	237	J-46
J-30	167	169	140	268	140	237	J-46
J-31	167	167	140	301	140	238	J-46
J-32	167	168	140	261	140	237	J-46
J-34	167	167	140	189	140	214	J-90
J-35	167	167	140	260	140	237	J-46
J-39	167	167	140	241	140	235	J-46
J-44	167	167	140	248	140	238	J-46
J-46	167	167	140	235	140	243	J-39
J-52	167	167	140	238	140	237	J-46
J-57	167	167	140	241	140	238	J-46

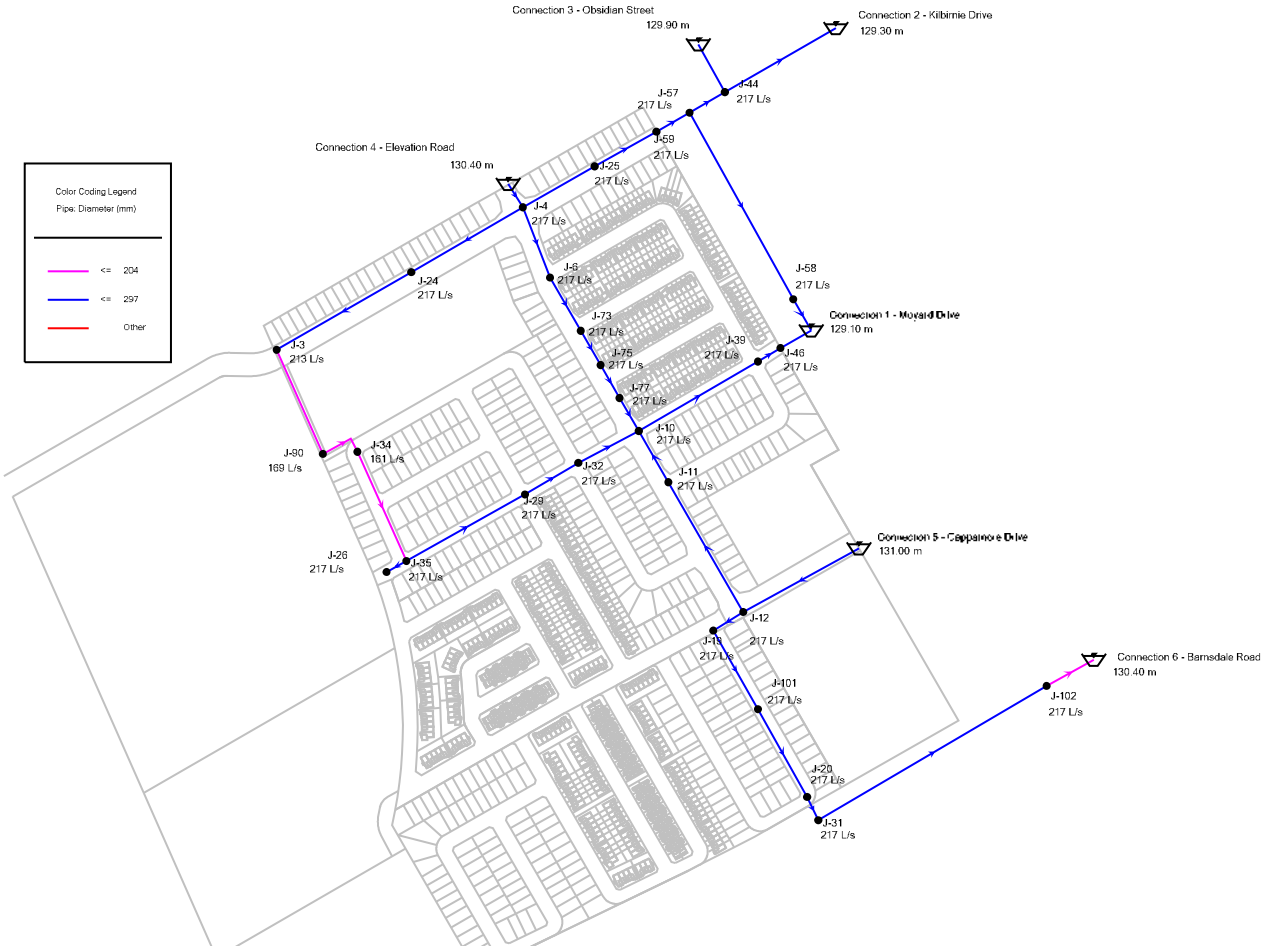
Quinn's Pointe Phases 6-8

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-58	167	172	140	242	140	238	J-46
J-59	167	167	140	241	140	238	J-46
J-73	167	167	140	252	140	237	J-46
J-75	167	167	140	255	140	237	J-46
J-77	167	167	140	258	140	237	J-46
J-83	167	167	140	260	140	237	J-46
J-87	167	167	140	258	140	237	J-46
J-88	167	167	140	260	140	237	J-46
J-90	167	167	140	195	140	208	J-34
J-94	167	167	140	275	140	237	J-46
J-96	167	167	140	281	140	237	J-46
J-101	167	167	140	285	140	238	J-46

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8

Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	213	213	140	140	140	177	J-24
J-4	217	217	140	206	140	190	J-46
J-6	217	219	140	198	140	189	J-46
J-10	217	220	140	212	140	189	J-46
J-11	217	217	140	211	140	189	J-46
J-12	217	222	140	237	140	190	J-46
J-19	217	217	140	232	140	190	J-46
J-20	217	217	140	208	140	190	J-46
J-24	217	217	140	171	140	170	J-3
J-25	217	217	140	193	140	191	J-46
J-26	217	221	140	154	140	161	J-35
J-29	217	218	140	189	140	189	J-35
J-31	217	217	140	234	140	190	J-46
J-32	217	217	140	198	140	189	J-46
J-34	161	161	140	140	140	165	J-90
J-35	217	217	140	161	140	163	J-26
J-39	217	217	140	190	140	185	J-46
J-44	217	217	140	199	140	191	J-46
J-46	217	217	140	184	140	194	J-39
J-57	217	217	140	192	140	191	J-46
J-58	217	222	140	192	140	191	J-46
J-59	217	217	140	190	140	191	J-46
J-73	217	217	140	199	140	189	J-46
J-75	217	217	140	202	140	189	J-46
J-77	217	217	140	206	140	189	J-46
J-90	169	169	140	140	140	152	J-34

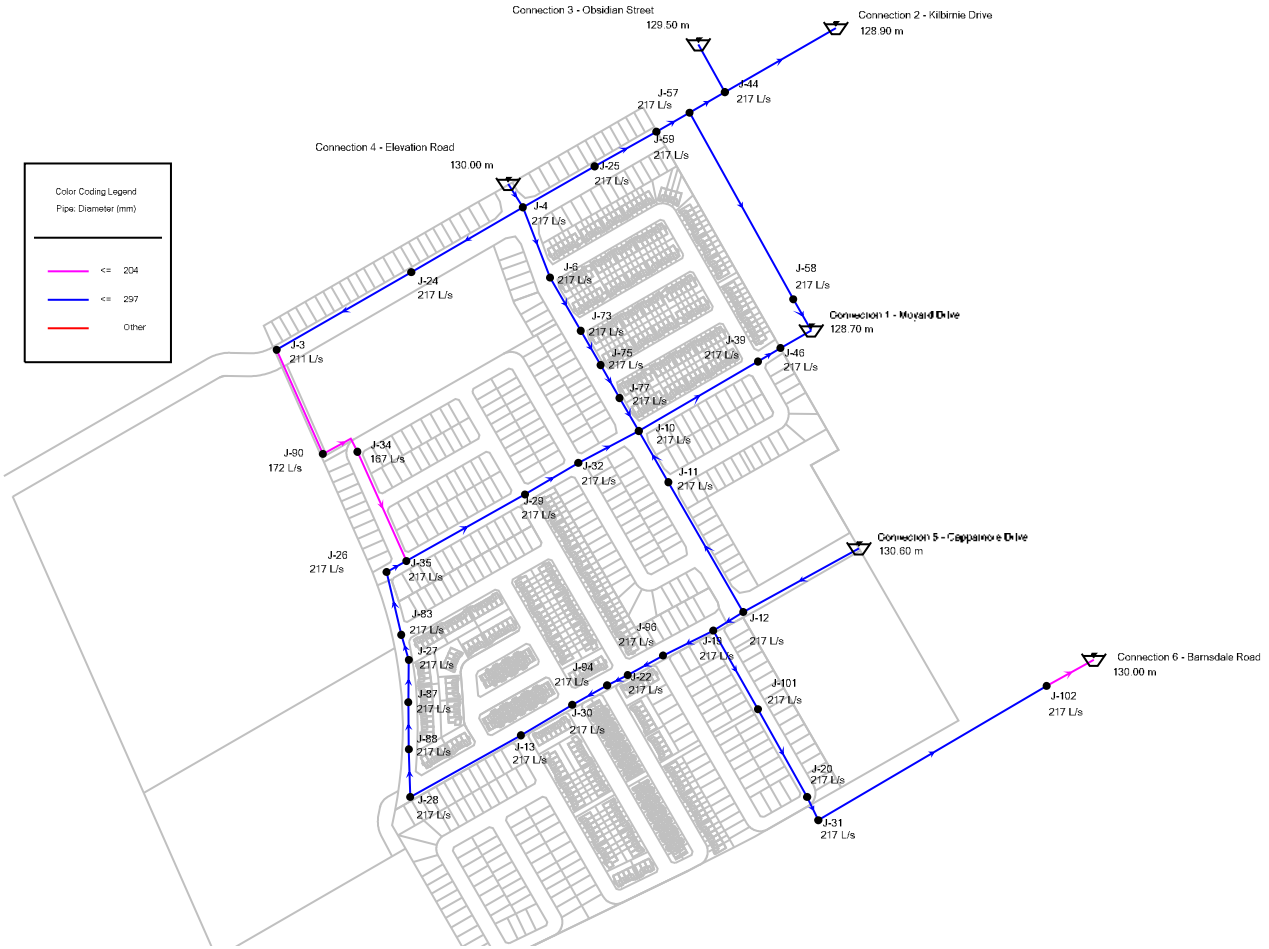
Quinn's Pointe Phases 6-8

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-101	217	217	140	224	140	190	J-46

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)
Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	211	211	140	140	140	175	J-24
J-4	217	217	140	203	140	186	J-46
J-6	217	219	140	195	140	186	J-46
J-10	217	220	140	210	140	185	J-46
J-11	217	217	140	206	140	185	J-46
J-12	217	222	140	234	140	186	J-46
J-13	217	217	140	201	140	185	J-46
J-19	217	217	140	233	140	186	J-46
J-20	217	217	140	206	140	186	J-46
J-22	217	217	140	212	140	185	J-46
J-24	217	217	140	168	140	167	J-3
J-25	217	217	140	190	140	187	J-46
J-26	217	221	140	192	140	185	J-46
J-27	217	217	140	189	140	185	J-46
J-28	217	217	140	192	140	185	J-46
J-29	217	218	140	200	140	185	J-46
J-30	217	219	140	203	140	185	J-46
J-31	217	217	140	232	140	186	J-46
J-32	217	217	140	202	140	185	J-46
J-34	167	167	140	140	140	164	J-90
J-35	217	217	140	192	140	185	J-46
J-39	217	217	140	186	140	182	J-46
J-44	217	217	140	195	140	187	J-46
J-46	217	217	140	181	140	190	J-39
J-57	217	217	140	188	140	187	J-46
J-58	217	222	140	188	140	187	J-46

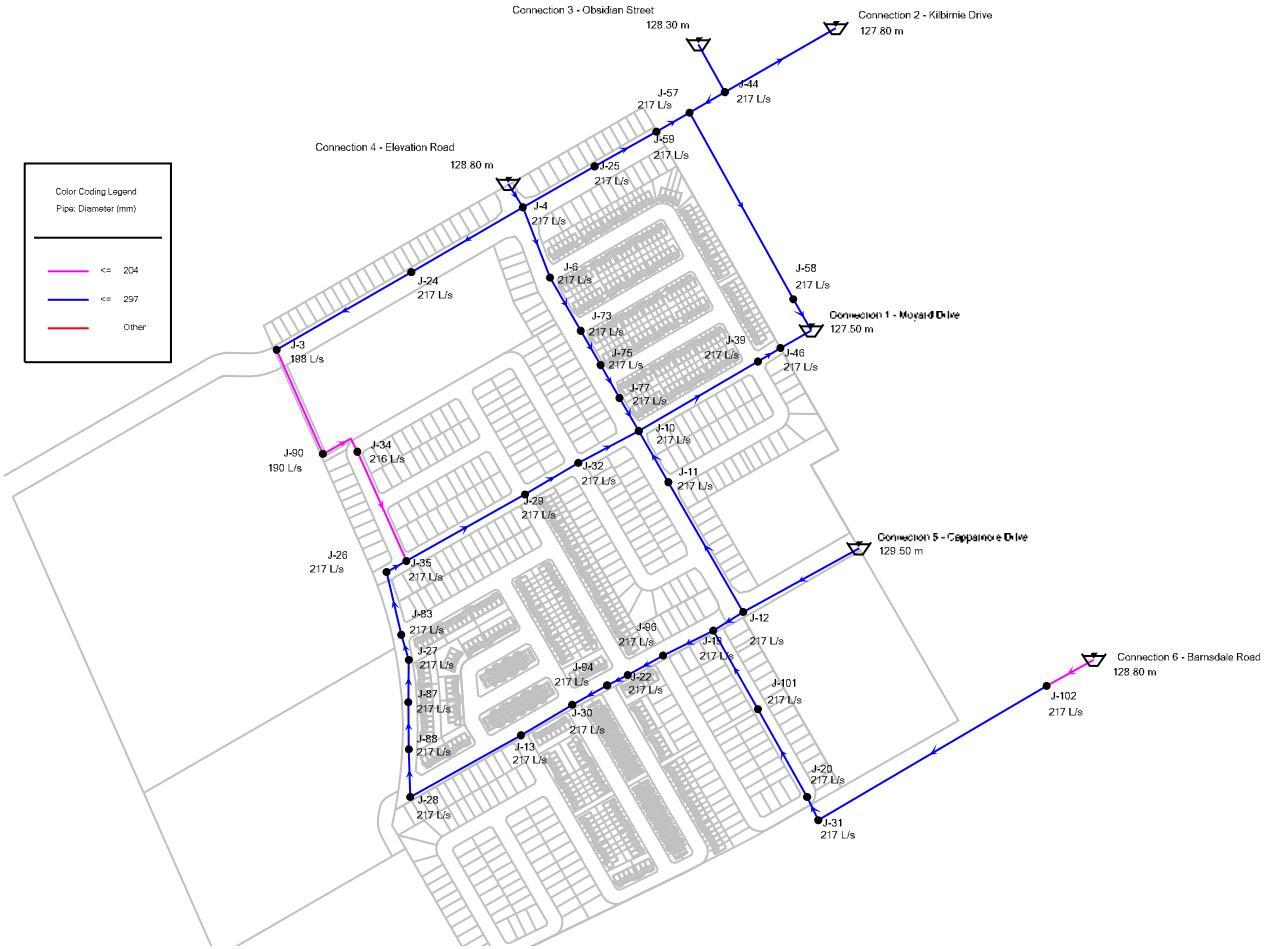
Quinn's Pointe Phases 6-8

Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-59	217	217	140	186	140	187	J-46
J-73	217	217	140	196	140	185	J-46
J-75	217	217	140	199	140	185	J-46
J-77	217	217	140	203	140	185	J-46
J-83	217	217	140	190	140	185	J-46
J-87	217	217	140	188	140	185	J-46
J-88	217	217	140	189	140	185	J-46
J-90	172	172	140	140	140	155	J-34
J-94	217	217	140	212	140	186	J-46
J-96	217	217	140	221	140	186	J-46
J-101	217	217	140	223	140	186	J-46

Quinn's Pointe Phases 6-8
Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8

Existing Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	198	198	140	140	140	169	J-24
J-4	217	217	140	191	140	175	J-46
J-6	217	219	140	185	140	174	J-46
J-10	217	220	140	199	140	174	J-46
J-11	217	217	140	197	140	174	J-46
J-12	217	222	140	223	140	174	J-46
J-13	217	219	140	199	140	174	J-46
J-19	217	217	140	223	140	174	J-46
J-20	217	217	140	206	140	174	J-46
J-22	217	219	140	209	140	174	J-46
J-24	217	217	140	158	140	158	J-3
J-25	217	217	140	178	140	176	J-46
J-26	217	221	140	187	140	174	J-46
J-27	217	217	140	188	140	174	J-46
J-28	217	218	140	190	140	174	J-46
J-29	217	218	140	196	140	174	J-46
J-30	217	219	140	202	140	174	J-46
J-31	217	217	140	231	140	174	J-46
J-32	217	217	140	196	140	174	J-46
J-34	216	216	140	140	140	162	J-90
J-35	217	217	140	187	140	174	J-46
J-39	217	217	140	178	140	172	J-46
J-44	217	217	140	183	140	177	J-46
J-46	217	217	140	171	140	182	J-39
J-52	153	153	140	140	140	153	J-15
J-57	217	217	140	176	140	177	J-46

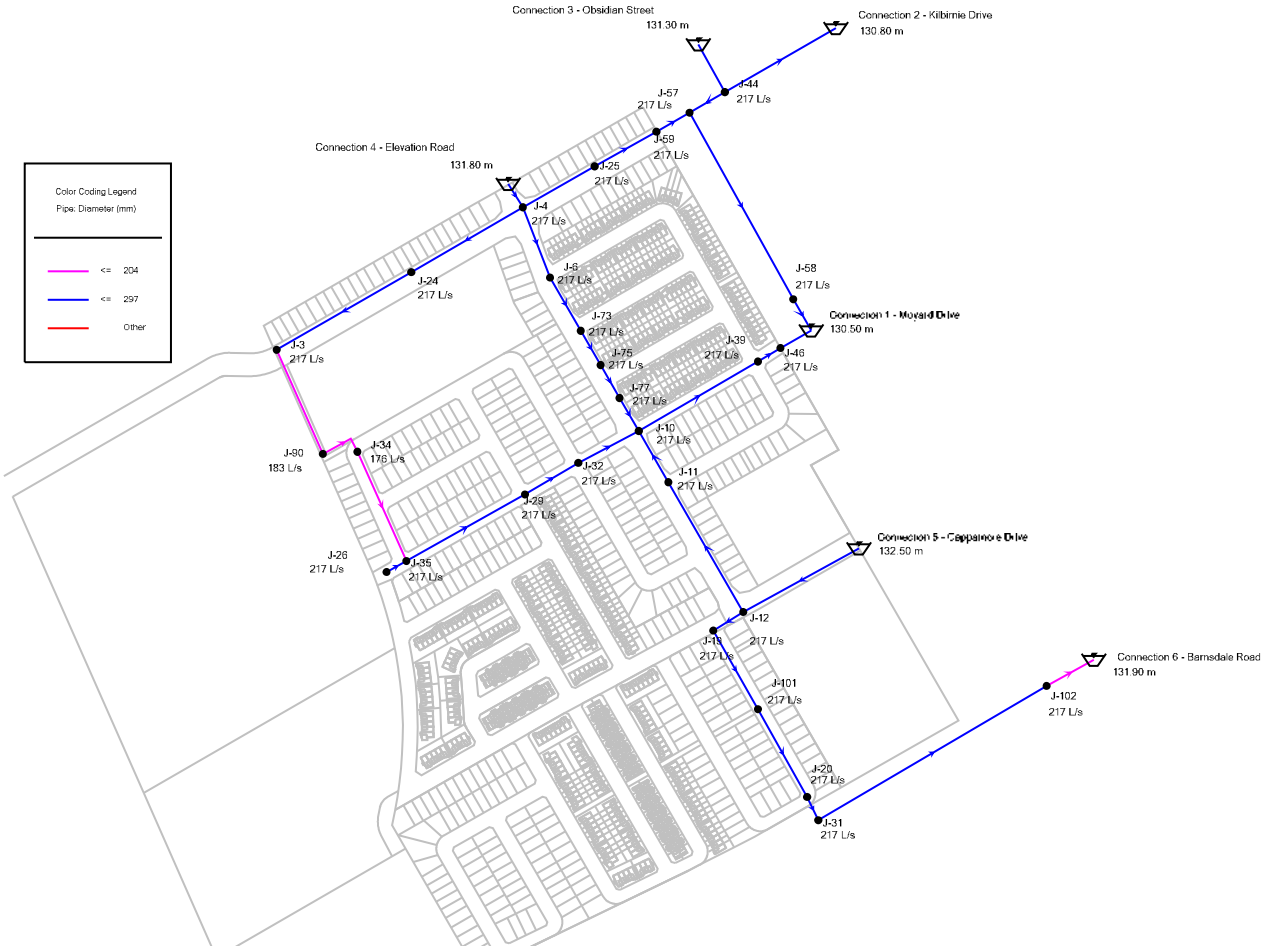
Quinn's Pointe Phases 6-8

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-58	217	222	140	176	140	177	J-46
J-59	217	217	140	175	140	176	J-46
J-73	217	217	140	187	140	174	J-46
J-75	217	217	140	190	140	174	J-46
J-77	217	217	140	194	140	174	J-46
J-83	217	217	140	190	140	174	J-46
J-87	217	217	140	189	140	174	J-46
J-88	217	217	140	190	140	174	J-46
J-90	190	190	140	140	140	169	J-34
J-94	217	217	140	209	140	174	J-46
J-96	217	217	140	216	140	174	J-46
J-101	217	217	140	216	140	174	J-46

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)
Phase 6 Model
Overall View



Quinn's Pointe Phases 6-8

Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	217	217	140	175	140	178	J-48
J-4	217	217	140	220	140	204	J-46
J-6	217	219	140	212	140	203	J-46
J-10	217	220	140	227	140	203	J-46
J-11	217	217	140	225	140	203	J-46
J-12	217	222	140	251	140	203	J-46
J-19	217	217	140	247	140	203	J-46
J-20	217	218	140	222	140	204	J-46
J-24	217	217	140	193	140	195	J-3
J-25	217	217	140	207	140	204	J-46
J-26	217	221	140	198	140	186	J-48
J-29	217	219	140	214	140	200	J-48
J-31	217	217	140	248	140	204	J-46
J-32	217	217	140	218	140	203	J-46
J-34	176	176	140	140	140	167	J-90
J-35	217	217	140	199	140	188	J-48
J-39	217	217	140	204	140	199	J-46
J-44	217	217	140	213	140	205	J-46
J-46	217	217	140	198	140	208	J-39
J-57	217	217	140	206	140	205	J-46
J-58	217	222	140	205	140	205	J-46
J-59	217	217	140	204	140	205	J-46
J-73	217	217	140	213	140	203	J-46
J-75	217	217	140	216	140	203	J-46
J-77	217	217	140	221	140	203	J-46
J-90	183	183	140	140	140	155	J-34

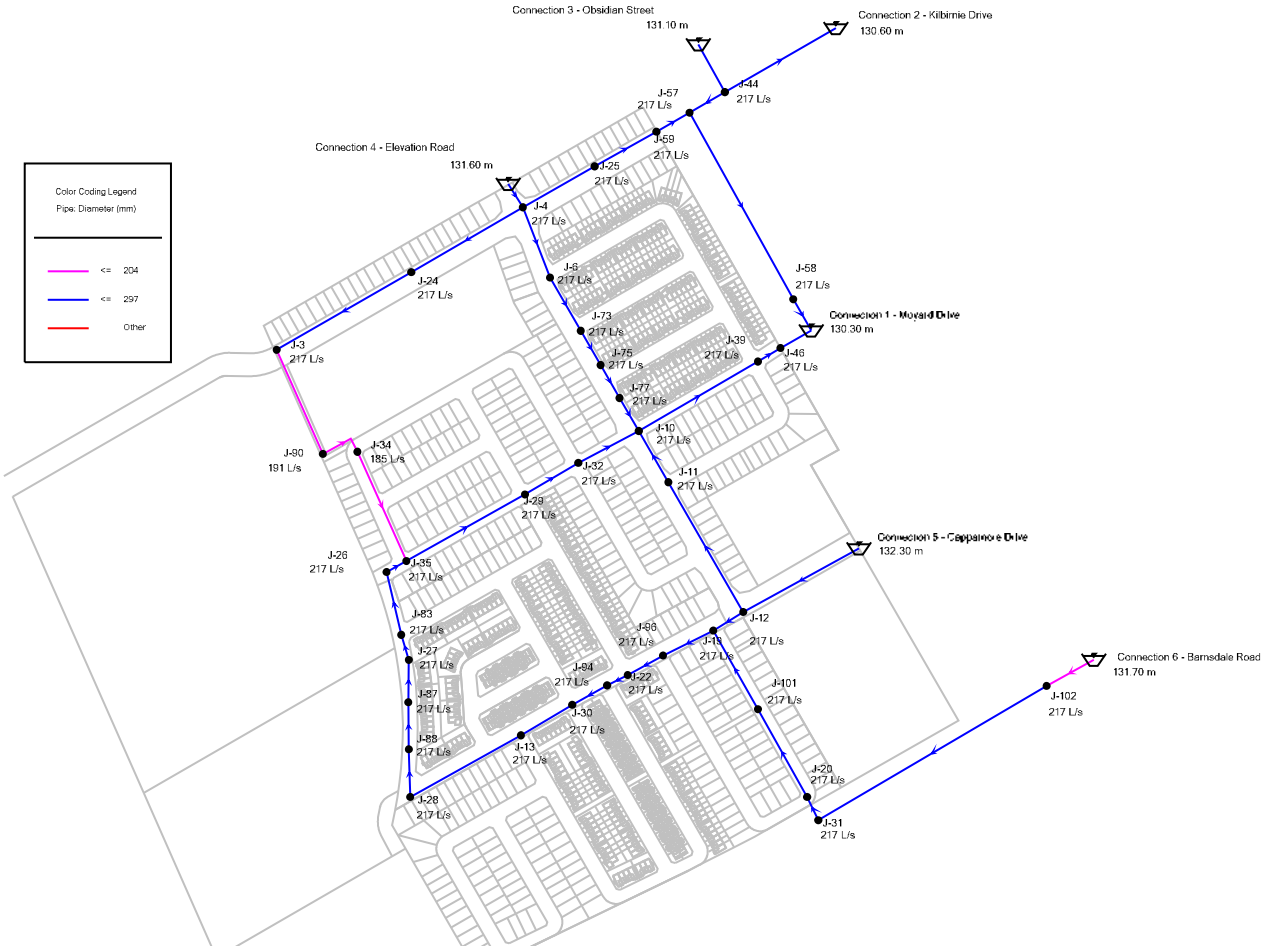
Quinn's Pointe Phases 6-8

Phase 6 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-101	217	217	140	238	140	204	J-46

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)
Phase 7 Model
Overall View



Quinn's Pointe Phases 6-8

Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)

Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	217	217	140	181	140	186	J-48
J-4	217	217	140	219	140	202	J-46
J-6	217	219	140	210	140	201	J-46
J-10	217	220	140	226	140	201	J-46
J-11	217	217	140	223	140	201	J-46
J-12	217	222	140	251	140	201	J-46
J-13	217	217	140	221	140	201	J-46
J-19	217	217	140	250	140	201	J-46
J-20	217	218	140	223	140	202	J-46
J-22	217	217	140	229	140	201	J-46
J-24	217	217	140	194	140	198	J-3
J-25	217	217	140	206	140	203	J-46
J-26	217	221	140	218	140	199	J-48
J-27	217	217	140	212	140	201	J-46
J-28	217	217	140	213	140	201	J-46
J-29	217	219	140	220	140	201	J-46
J-30	217	219	140	222	140	201	J-46
J-31	217	217	140	248	140	202	J-46
J-32	217	218	140	220	140	201	J-46
J-34	185	185	140	140	140	169	J-90
J-35	217	217	140	217	140	200	J-48
J-39	217	217	140	202	140	197	J-46
J-44	217	217	140	211	140	203	J-46
J-46	217	217	140	196	140	206	J-39
J-57	217	217	140	204	140	203	J-46
J-58	217	222	140	203	140	203	J-46

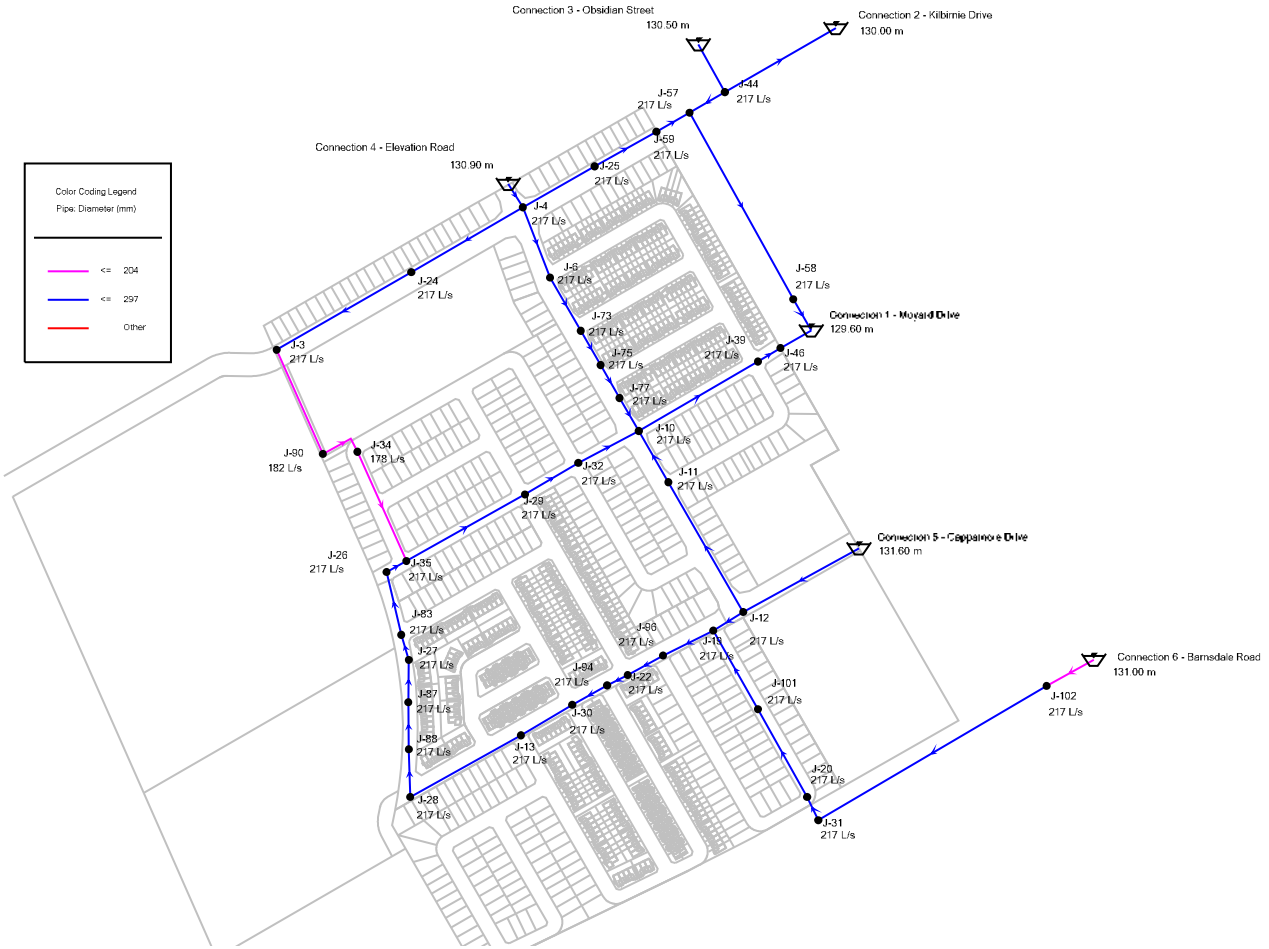
Quinn's Pointe Phases 6-8

Phase 7 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-59	217	217	140	202	140	203	J-46
J-73	217	217	140	211	140	201	J-46
J-75	217	217	140	215	140	201	J-46
J-77	217	217	140	219	140	201	J-46
J-83	217	217	140	214	140	201	J-48
J-87	217	217	140	211	140	201	J-46
J-88	217	217	140	211	140	201	J-46
J-90	191	191	140	140	140	157	J-34
J-94	217	217	140	230	140	201	J-46
J-96	217	217	140	239	140	201	J-46
J-101	217	217	140	239	140	201	J-46

Quinn's Pointe Phases 6-8
Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)
Phase 8 Model
Overall View



Quinn's Pointe Phases 6-8

Future SUC Pressure Zone - Maximum Day + Fire Flow (RFF = 217 L/s)

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-3	217	217	140	146	140	183	J-24
J-4	217	217	140	212	140	195	J-46
J-6	217	219	140	204	140	195	J-46
J-10	217	220	140	219	140	194	J-46
J-11	217	217	140	215	140	194	J-46
J-12	217	222	140	243	140	194	J-46
J-13	217	219	140	215	140	194	J-46
J-19	217	217	140	243	140	194	J-46
J-20	217	217	140	227	140	194	J-46
J-22	217	219	140	230	140	194	J-46
J-24	217	217	140	177	140	177	J-3
J-25	217	217	140	199	140	196	J-46
J-26	217	221	140	207	140	194	J-46
J-27	217	217	140	208	140	194	J-46
J-28	217	218	140	205	140	194	J-46
J-29	217	218	140	215	140	194	J-46
J-30	217	219	140	223	140	194	J-46
J-31	217	217	140	252	140	195	J-46
J-32	217	217	140	215	140	194	J-46
J-34	178	178	140	140	140	167	J-90
J-35	217	217	140	207	140	194	J-46
J-39	217	217	140	195	140	191	J-46
J-44	217	217	140	205	140	196	J-46
J-46	217	217	140	190	140	199	J-39
J-52	170	170	140	140	140	156	J-15
J-57	217	217	140	197	140	196	J-46

Quinn's Pointe Phases 6-8

Phase 8 Fire Flow Results Table

Fire Flow Results Table - Time: 0.00 hours

Label	Fire Flow (Available) (L/s)	Flow (Total Available) (L/s)	Pressure (Residual Lower Limit) (kPa)	Pressure (Calculated Residual) (kPa)	Pressure (Zone Lower Limit) (kPa)	Pressure (Calculated Zone Lower Limit) (kPa)	Junction w/ Minimum Pressure (Zone)
J-58	217	222	140	197	140	196	J-46
J-59	217	217	140	196	140	196	J-46
J-73	217	217	140	204	140	194	J-46
J-75	217	217	140	207	140	194	J-46
J-77	217	217	140	210	140	194	J-46
J-83	217	217	140	208	140	194	J-46
J-87	217	217	140	207	140	194	J-46
J-88	217	217	140	210	140	194	J-46
J-90	182	182	140	140	140	157	J-34
J-94	217	217	140	226	140	194	J-46
J-96	217	217	140	234	140	194	J-46
J-101	217	217	140	237	140	194	J-46

Appendix H

Drawings

KILBIRNIE DRIVE

6m SERVICING
BLOCK 541 0.07ha

BLOCK 538
RETAINED WOODLOT 2.39ha/5.91ac
OPEN SPACE 0.83ha/2.05ac
TOTAL AREA 3.22 ha/7.96 ac

INDUSTRIAL LANDS
13.22 ha
32.67 ac

FUTURE RETAINED WOODLOTS
6.26 ha
15.47 ac

INDUSTRIAL LANDS
3.19 ha
7.88 ac

PARK
BLOCK 539
1.59 ha
3.93 ac

BLOCK 540
SWM POND
3.66 ha
9.04 ac

SERVICING EASEMENT
0.12ha

12m SERVICING
BLOCK 547
0.35ha

PATHWAY
BLOCK 544
0.02ha

STREET NO.1
STREET NO.2
STREET NO.3
STREET NO. 4
STREET NO.5
STREET NO.6
STREET NO.7
STREET NO.8
STREET NO.9
STREET NO.10
STREET NO.11
STREET NO.12
STREET NO.13
STREET NO.14
STREET NO.15
STREET NO.16
STREET NO.17
STREET NO.18
ELEVATION RD
MOYARD DR
CAPPAMORE DR
BARNSDALE ROAD
PHASE 6
PHASE 7
PHASE 8
OVERFLOW
MTD
EX POND INLET
EX108A
STUB
EX04
375mmØ SAN

LEGEND:
- LIMIT OF STUDY AREA
- PHASING LIMITS
- CONVENTIONAL STORM SEWER
- EES STORM SEWER
- SANITARY SEWER
- WATERMAIN
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

No.	ISSUE / REVISION	DD/MM/YY
01	ISSUED FOR AAPS - 1ST DPA & ZBA SUBMISSION	26/06/26

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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING. 0 25mm

SCALE: 1:1500

CLIENT: minto Communities

CONSULTANT: www.jrichards.ca
J.L.Richards ENGINEERS · ARCHITECTS · PLANNERS

CONSULTANT:

PROFESSIONAL STAMP
LICENSED PROFESSIONAL ENGINEER
K.R. FERREY MORENO
100122432
2026-06-26
PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:
QUINN'S POINTE PHASES 6-8
3882 & 4000 BARNSDALE ROAD

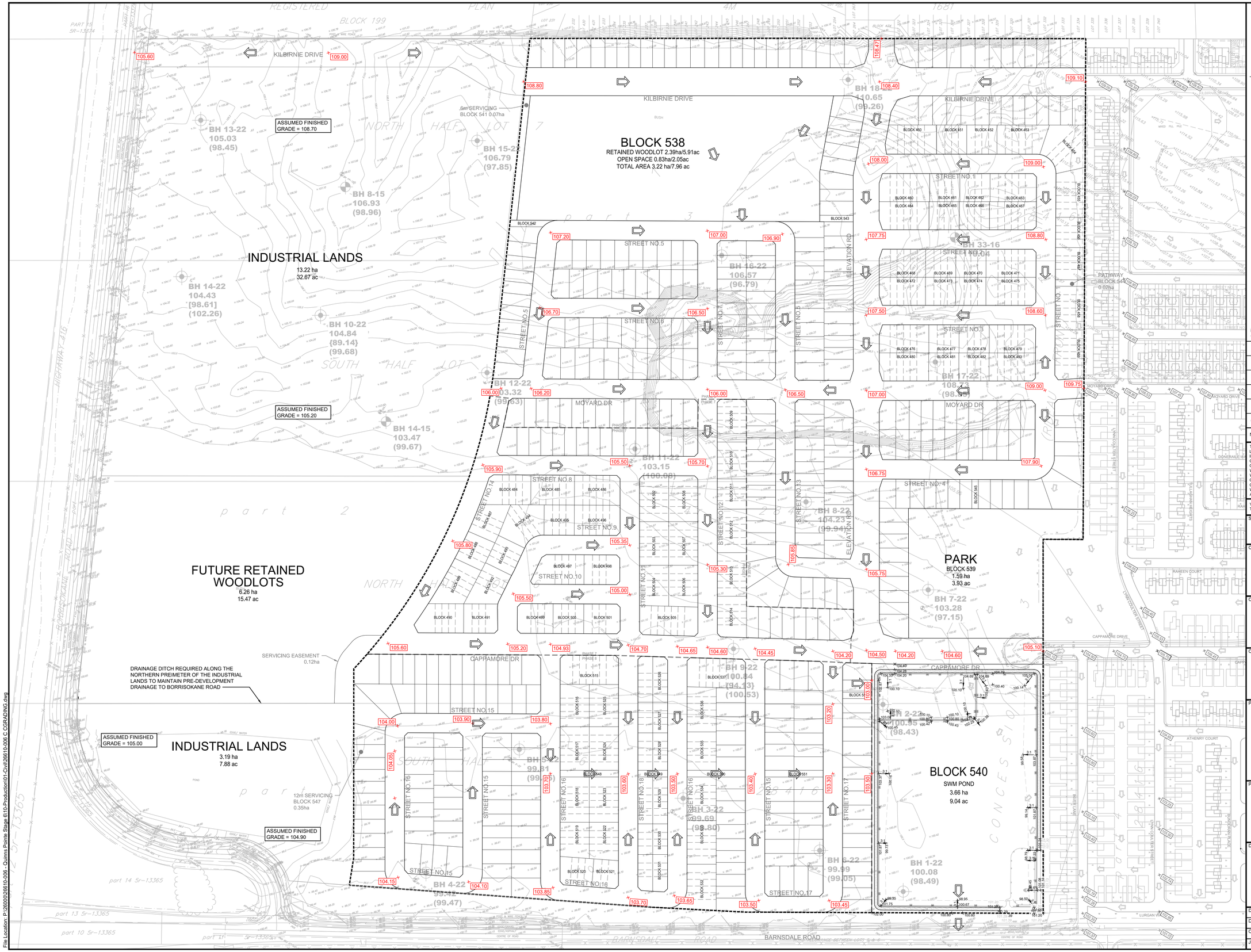
DRAWING:
CONCEPTUAL SERVICING

DESIGN:	KF
DRAWN:	KC
CHECKED:	KF
JLR #:	26610-006

DRAWING #: CS1

PLOT DATE: June 29, 2026 12:02:41 PM

File Location: P:\26000\26610-006 - Quinns Pointe Stage 6\10-Production\01-Civil\26610-006 C CSERVICING.dwg


BLOCK 538
RETAINED WOODLOT 2.39ha/5.91ac
OPEN SPACE 0.83ha/2.05ac
TOTAL AREA 3.22 ha/7.96 ac
INDUSTRIAL LANDS
13.22 ha
32.67 ac
FUTURE RETAINED WOODLOTS
6.26 ha
15.47 ac
INDUSTRIAL LANDS
3.19 ha
7.88 ac
PARK
BLOCK 539
1.59 ha
3.93 ac
BLOCK 540
SWM POND
3.66 ha
9.04 ac
KILBIRNIE DRIVE
CAPPAMORE DR
MOYARD DR
BARNSDALE ROAD
ASSUMED FINISHED GRADE = 108.70
ASSUMED FINISHED GRADE = 105.20
ASSUMED FINISHED GRADE = 105.00
ASSUMED FINISHED GRADE = 104.90
DRAINAGE DITCH REQUIRED ALONG THE NORTHERN PREIMETER OF THE INDUSTRIAL LANDS TO MAINTAIN PRE-DEVELOPMENT DRAINAGE TO BORRISOKANE ROAD
SERVICING EASEMENT 0.12ha
6m SERVICING BLOCK 541 0.07ha
12m SERVICING BLOCK 547 0.35ha
PATHWAY BLOCK 542 0.02ha
ELEVATION RD
STREET NO.1
STREET NO.2
STREET NO.3
STREET NO.4
STREET NO.5
STREET NO.6
STREET NO.7
STREET NO.8
STREET NO.9
STREET NO.10
STREET NO.11
STREET NO.12
STREET NO.13
STREET NO.14
STREET NO.15
STREET NO.16
STREET NO.17
STREET NO.18
BH 13-22 105.03 (98.45)
BH 15-22 106.79 (97.85)
BH 14-22 104.43 [98.61] (102.26)
BH 10-22 104.84 {89.14} (99.68)
BH 14-15 103.47 (99.67)
BH 12-22 103.32 (99.63)
BH 11-22 103.15 (100.08)
BH 8-15 106.93 (98.96)
BH 18-22 110.65 (99.26)
BH 33-16 110.04
BH 17-22 108.27 (98.95)
BH 8-22 104.23 (99.94)
BH 7-22 103.28 (97.15)
BH 9-22 100.84 [94.13] (100.53)
BH 2-22 100.55 (98.43)
BH 1-22 100.08 (98.49)
BH 3-22 99.69 (99.80)
BH 6-22 99.99 (99.05)
BH 4-22 99.31 (99.47)
PHASE 1
PHASE 2
PHASE 3
PHASE 4
PHASE 5
PHASE 6
PHASE 7
PHASE 8
PHASE 9
PHASE 10
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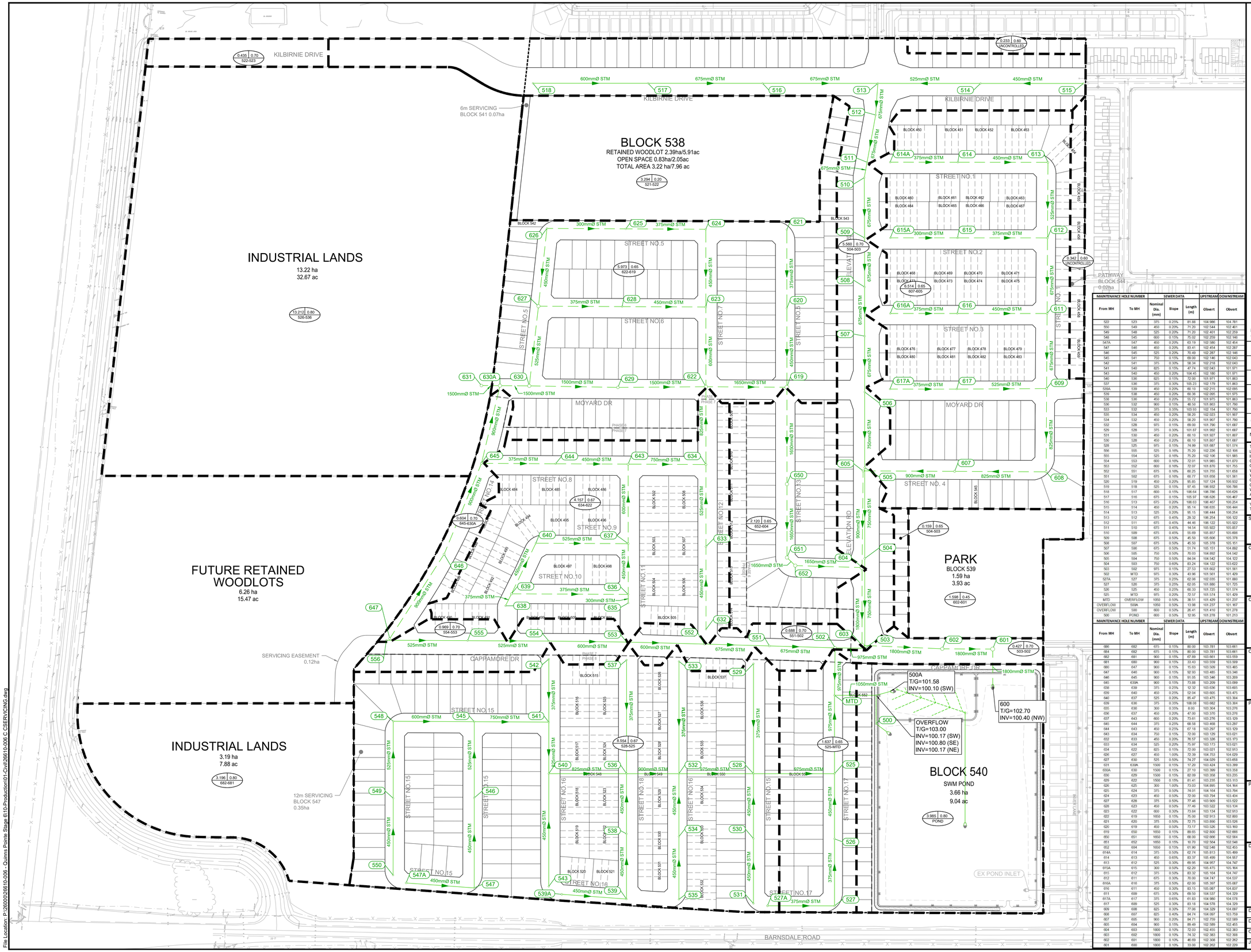
PHASE 20
PHASE



LEGEND:

- LIMIT OF STUDY AREA
- CONVENTIONAL STORM SEWER
- EES STORM SEWER
- PERFORATED PIPE
- EXISTING STORM SEWER
- STORM DRAINAGE BOUNDARY
- AREA IN HECTARES
- RUNOFF COEFFICIENT
- PIPE REACH UPSTREAM MAINTENANCE HOLE TO DOWNSTREAM MAINTENANCE HOLE

MAINTENANCE HOLE NUMBER		SEWER DATA			UPSTREAM	DOWNSTREAM
From MH	To MH	Nominal Dia. (mm)	Slope	Length (m)	Obvert	Obvert
522	523	375	0.25%	81.88	104.986	104.781
550	549	450	0.20%	71.20	102.544	102.401
549	548	525	0.20%	71.20	102.401	102.259
548	545	600	0.15%	75.02	102.259	102.146
547A	547	450	0.20%	63.19	102.580	102.454
547	546	450	0.20%	83.41	102.454	102.287
546	545	525	0.20%	70.49	102.287	102.146
545	541	750	0.15%	69.00	102.146	102.043
542	541	375	0.30%	58.34	102.218	102.043
541	540	825	0.15%	47.74	102.043	101.971
543	540	450	0.20%	104.45	102.180	101.971
540	536	825	0.15%	72.00	101.971	101.863
537	536	375	0.30%	105.23	102.179	101.863
539A	539	450	0.20%	60.10	102.215	102.095
539	538	450	0.20%	60.36	102.095	101.975
538	536	450	0.20%	55.72	101.975	101.863
536	532	900	0.15%	48.50	101.863	101.790
533	532	375	0.35%	103.93	102.154	101.790
535	534	450	0.20%	58.20	102.023	101.907
534	532	450	0.20%	58.20	101.907	101.790
532	528	975	0.15%	69.00	101.790	101.687
529	528	375	0.30%	101.67	101.992	101.687
531	530	450	0.20%	60.10	101.927	101.807
530	528	450	0.20%	60.10	101.807	101.687
528	525	975	0.15%	74.99	101.687	101.574
556	555	525	0.16%	75.20	102.226	102.106
555	554	525	0.16%	75.20	102.106	101.985
554	553	600	0.16%	72.01	101.980	101.870
553	552	600	0.16%	72.07	101.870	101.755
552	551	675	0.16%	69.25	101.755	101.658
551	502	675	0.16%	60.77	101.658	101.561
520	519	450	0.20%	95.85	107.124	106.932
519	518	525	0.15%	97.45	106.932	106.786
518	517	600	0.15%	106.64	106.786	106.626
517	516	675	0.15%	105.97	106.626	106.467
516	513	675	0.20%	106.03	106.467	106.254
515	514	450	0.20%	95.14	106.630	106.444
514	513	525	0.20%	95.15	106.444	106.254
513	512	675	0.45%	29.32	106.254	106.122
512	511	675	0.45%	44.46	106.122	105.922
511	510	675	0.45%	14.54	105.922	105.857
510	509	675	0.45%	55.69	105.857	105.606
509	508	675	0.50%	45.50	105.606	105.378
508	507	675	0.50%	45.50	105.378	105.151
507	506	675	0.50%	51.74	105.151	104.892
506	505	750	0.50%	76.03	104.892	104.542
505	504	750	0.50%	84.04	104.542	104.122
504	503	750	0.60%	83.24	104.122	103.622
503	502	975	0.15%	27.53	101.602	101.561
502	MTD	975	0.30%	43.96	101.561	101.429
527A	527	375	0.25%	62.06	102.035	101.880
527	526	375	0.25%	62.05	101.880	101.725
526	525	450	0.25%	60.33	101.725	101.574
525	MTD	975	0.20%	72.57	101.574	101.429
MTD	OVERFLOW	1050	0.50%	38.51	101.429	101.237
OVERFLOW	509A	1050	0.50%	13.98	101.237	101.167
OVERFLOW	500	600	0.50%	26.41	101.410	101.278
500	POND	600	0.50%	12.95	101.278	101.253

MAINTENANCE HOLE NUMBER		SEWER DATA			UPSTREAM	DOWNSTREAM
From MH	To MH	Nominal Dia. (mm)	Slope	Length (m)	Obvert	Obvert
686	682	675	0.15%	80.00	103.781	103.661
684	682	675	0.15%	80.00	103.781	103.661
682	681	900	0.15%	67.89	103.661	103.559
681	680	900	0.15%	33.43	103.559	103.009
680	647	900	0.15%	15.63	103.509	103.465
647	646	900	0.15%	92.93	103.485	103.346
646	645	900	0.15%	91.05	103.346	103.209
645	630A	900	0.15%	73.88	103.209	103.089
638	639	375	0.25%	12.32	103.636	103.605
639	640	450	0.25%	52.04	103.605	103.475
640	637	525	0.20%	85.47	103.475	103.304
639	636	375	0.35%	108.05	103.082	103.304
635	636	300	0.35%	8.00	103.304	103.276
636	637	450	0.20%	47.00	103.376	103.276
637	643	600	0.20%	73.61	103.276	103.129
645	644	375	0.25%	68.58	103.408	103.297
644	643	450	0.25%	67.16	103.297	103.129
643	634	750	0.15%	72.00	103.129	103.021
632	633	450	0.20%	76.57	103.326	103.173
633	634	525	0.20%	75.97	103.173	103.021
634	622	825	0.15%	72.00	103.021	102.913
626	627	450	1.00%	72.39	104.753	104.029
627	630	525	0.50%	74.27	104.029	103.658
631	630A	1500	0.15%	17.20	103.424	103.399
630A	630	1500	0.15%	27.10	103.399	103.358
630	629	1500	0.15%	82.09	103.358	103.235
629	622	1500	0.15%	81.41	103.235	103.113
626	625	300	1.00%	73.03	104.895	104.904
625	624	375	0.50%	74.01	104.164	103.794
624	623	450	0.50%	72.00	103.794	103.434
627	628	375	0.50%	77.46	103.509	103.522
628	623	450	0.50%	77.46	103.522	103.134
623	622	600	0.30%	73.84	103.134	102.913
622	619	1650	0.15%	75.00	102.913	102.800
621	620	375	0.50%	72.75	103.890	103.526
620	619	450	0.50%	73.17	103.526	103.360
619	650	1650	0.15%	89.65	102.800	102.666
650	651	1650	0.15%	68.00	102.666	102.564
651	652	1650	0.15%	10.70	102.564	102.548
652	604	1650	0.15%	61.90	102.548	102.455
614A	614	375	0.50%	62.74	105.813	105.469
614	613	450	0.60%	83.37	105.499	104.957
613	612	525	0.30%	69.95	104.957	104.747
615A	615	300	0.50%	62.20	105.475	105.164
615	612	375	0.50%	83.32	105.164	104.747
612	611	675	0.30%	70.00	104.747	104.537
616A	616	375	0.50%	62.00	105.397	105.087
616	611	450	0.30%	83.15	105.087	104.837
611	609	675	0.30%	69.50	104.537	104.329
617A	617	375	0.60%	61.83	104.980	104.578
617	609	525	0.30%	83.18	104.578	104.329
609	608	825	0.30%	77.06	104.329	104.097
608	607	825	0.40%	84.74	104.097	103.759
607	605	900	0.20%	84.71	102.759	102.589
605	604	900	0.15%	89.49	102.589	102.455
604	603	1800	0.10%	72.03	102.455	102.383
603	602	1800	0.10%	74.32	102.383	102.308
602	601	1800	0.10%	46.69	102.308	102.262
601	600	1800	0.10%	33.00	102.262	102.229

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

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VERIFY SHEET SIZE AND SCALES. THE BAR TO THE RIGHT IS 25mm IF THIS IS A FULL SIZE DRAWING. 0 25mm

SCALE: 1:1500

CLIENT: minto Communities

CONSULTANT: www.jlrichards.ca

J.L.Richards ENGINEERS · ARCHITECTS · PLANNERS

CONSULTANT:

PROFESSIONAL STAMP

LICENSED PROFESSIONAL ENGINEER
K. R. FERREY MORENO
100122432
2026-06-26
PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:

QUINN'S POINTE PHASES 6-8

3882 & 4000 BARNSDALE ROAD

DRAWING:

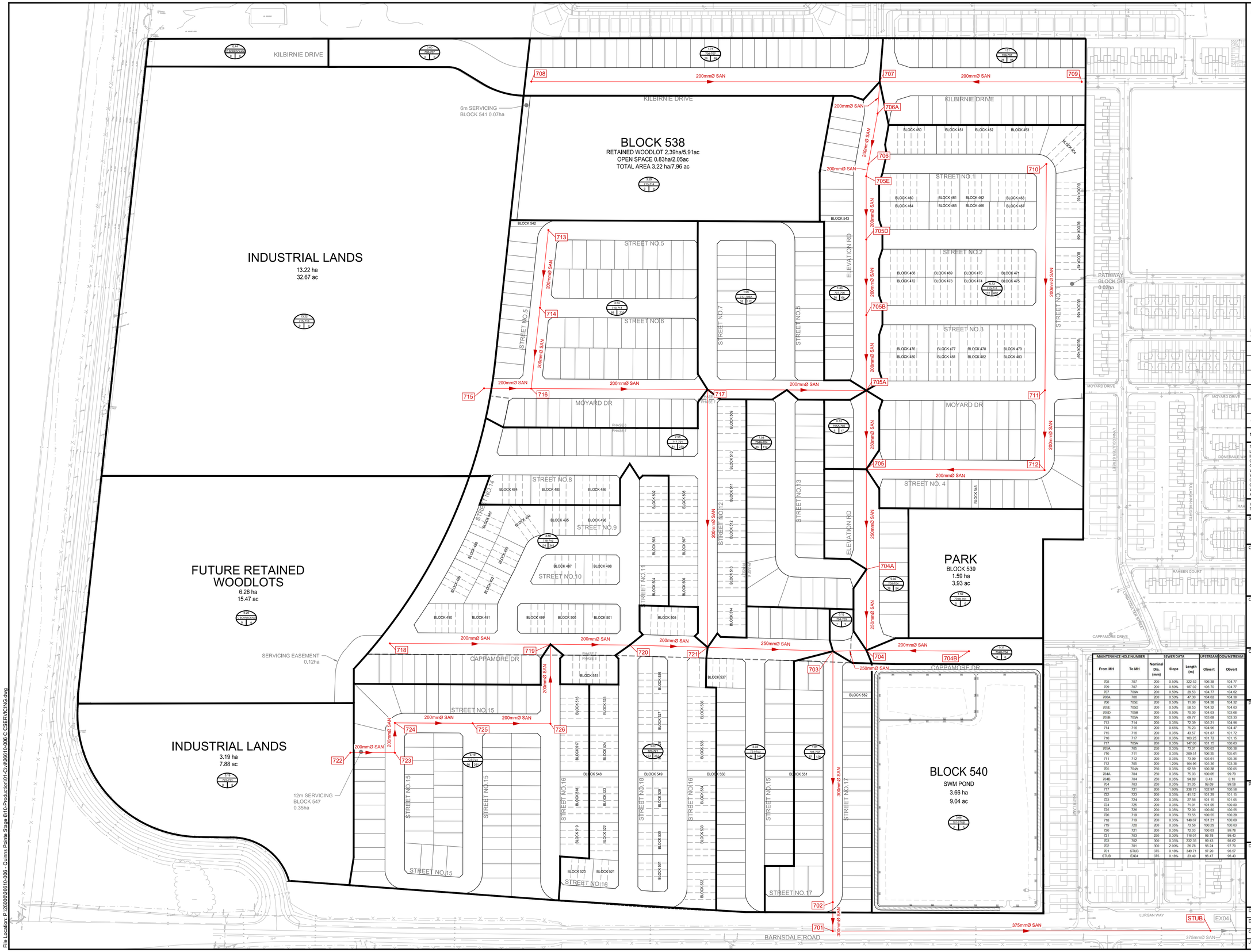
CONCEPTUAL STORM

DESIGN:	KF
DRAWN:	KC
CHECKED:	KF
JLR #:	26610-006

DRAWING #: CMST

File Location: P:\26500\26610-006 - Quinns Pointe Stage 6\10-Production\01-Civil\26610-000 C-CSERVICING.dwg

PLOT DATE: June 26, 2026 12:02:59 PM



LEGEND:

- LIMIT OF STUDY AREA
- SANITARY SEWER
- EXISTING SANITARY SEWER
- SANITARY DRAINAGE BOUNDARY
- AREA IN HECTARES
- PIPE REACH UPSTREAM MAINTENANCE HOLE TO DOWNSTREAM MAINTENANCE HOLE
- POPULATION
- NUMBER OF UNITS

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

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SCALE: 1:1500

CLIENT: minto Communities

CONSULTANT: www.jrichards.ca
J.L.Richards ENGINEERS-ARCHITECTS-PLANNERS

CONSULTANT:

PROFESSIONAL STAMP: LICENSED PROFESSIONAL ENGINEER — K.R. FERREY MORENO — 100122432 — 2026-06-26 — PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:
QUINN'S POINTE PHASES 6-8
3882 & 4000 BARNSDALE ROAD

DRAWING:
CONCEPTUAL SANITARY

MAINTENANCE HOLE NUMBER		SEWER DATA			UPSTREAM	DOWNSTREAM
From MH	To MH	Nominal Dia. (mm)	Slope	Length (m)	Obvert	Obvert
708	707	200	0.50%	322.52	106.38	104.77
709	707	200	0.50%	187.02	105.70	104.77
707	706A	200	0.50%	29.53	104.77	104.62
706A	706	200	0.50%	47.30	104.62	104.38
706	705E	200	0.50%	11.66	104.38	104.32
705E	705D	200	0.50%	58.53	104.32	104.03
705D	705B	200	0.50%	70.00	104.03	103.68
705B	705A	200	0.50%	69.77	103.68	103.33
713	714	200	0.35%	72.39	105.21	104.96
714	716	200	0.65%	75.23	104.96	104.47
715	716	200	0.35%	43.57	101.87	101.72
716	717	200	0.35%	163.25	101.72	101.15
717	705A	200	0.35%	147.00	101.15	100.63
705A	705	250	0.35%	73.01	100.63	100.38
710	711	200	0.35%	209.51	106.35	105.61
711	712	200	0.35%	73.99	105.61	105.36
712	705	200	1.20%	104.96	105.36	103.38
705	704A	250	0.35%	92.59	100.38	100.05
704A	704	250	0.35%	75.03	100.05	99.79
704B	704	250	0.35%	94.89	0.43	0.10
704	703	250	0.35%	31.05	99.69	99.58
717	721	200	1.00%	238.73	102.97	100.58
722	723	200	0.35%	41.12	101.29	101.15
723	724	200	0.35%	27.56	101.15	101.05
724	725	200	0.35%	71.91	101.05	100.80
725	726	200	0.35%	72.00	100.80	100.55
726	719	200	0.35%	73.55	100.55	100.29
718	719	200	0.35%	148.67	101.21	100.69
719	720	200	0.35%	73.56	100.29	100.03
720	721	200	0.35%	72.03	100.03	99.78
721	703	250	0.30%	116.01	99.78	99.43
703	702	300	0.35%	232.35	99.43	98.62
702	701	300	2.00%	26.78	98.24	97.70
701	STUB	375	0.18%	349.71	97.20	96.57
STUB	EX04	375	0.18%	23.40	96.47	96.43

DESIGN:	KF
DRAWN:	KC
CHECKED:	KF
JLR #:	26610-006

DRAWING #: CMSAN

PLOT DATE: June 26, 2026 12:03:10 PM

File Location: P:\26000\26610-006 - Quinns Pointe Stage 6\10-Production\01-Civil\26610-006 C CSERVICING.dwg

KILBIRNIE DRIVE

6m SERVICING
BLOCK 541 0.07ha

INDUSTRIAL LANDS
13.22 ha
32.67 ac

FUTURE RETAINED WOODLOTS
6.26 ha
15.47 ac

INDUSTRIAL LANDS
3.19 ha
7.88 ac

SERVICING EASEMENT
0.12ha

12m SERVICING
BLOCK 547
0.35ha

BLOCK 538
RETAINED WOODLOT 2.39ha/5.91ac
OPEN SPACE 0.83ha/2.05ac
TOTAL AREA 3.22 ha/7.96 ac

PARK
BLOCK 539
1.59 ha
3.93 ac

BLOCK 540
SWM POND
3.66 ha
9.04 ac

PATHWAY
BLOCK 544
0.02ha

BLOCK 542
BLOCK 543

STREET NO.1
STREET NO.2
STREET NO.3
STREET NO. 4
STREET NO.5
STREET NO.6
STREET NO.7
STREET NO.8
STREET NO.9
STREET NO.10
STREET NO.11
STREET NO.12
STREET NO.13
STREET NO.14
STREET NO.15
STREET NO.16
STREET NO.17
STREET NO.18
ELEVATION RD
MOYARD DR
CAPPAMORE DR

BLOCK 450 BLOCK 451 BLOCK 452 BLOCK 453 BLOCK 454
BLOCK 460 BLOCK 461 BLOCK 462 BLOCK 463 BLOCK 464 BLOCK 465 BLOCK 466 BLOCK 467
BLOCK 468 BLOCK 469 BLOCK 470 BLOCK 471 BLOCK 472 BLOCK 473 BLOCK 474 BLOCK 475
BLOCK 476 BLOCK 477 BLOCK 478 BLOCK 479 BLOCK 480 BLOCK 481 BLOCK 482 BLOCK 483
BLOCK 484 BLOCK 485 BLOCK 486 BLOCK 487 BLOCK 488 BLOCK 489 BLOCK 490 BLOCK 491 BLOCK 492 BLOCK 493 BLOCK 494 BLOCK 495 BLOCK 496 BLOCK 497 BLOCK 498 BLOCK 499 BLOCK 500 BLOCK 501
BLOCK 502 BLOCK 503 BLOCK 504 BLOCK 505 BLOCK 506 BLOCK 507 BLOCK 508
BLOCK 509 BLOCK 510 BLOCK 511 BLOCK 512 BLOCK 513 BLOCK 514
BLOCK 515 BLOCK 516 BLOCK 517 BLOCK 518 BLOCK 519 BLOCK 520 BLOCK 521 BLOCK 522 BLOCK 523 BLOCK 524 BLOCK 525 BLOCK 526 BLOCK 527 BLOCK 528 BLOCK 529 BLOCK 530 BLOCK 531 BLOCK 532 BLOCK 533 BLOCK 534 BLOCK 535 BLOCK 536 BLOCK 537 BLOCK 538 BLOCK 539 BLOCK 540 BLOCK 541 BLOCK 542 BLOCK 543 BLOCK 544 BLOCK 545 BLOCK 546 BLOCK 547 BLOCK 548 BLOCK 549 BLOCK 550 BLOCK 551 BLOCK 552

305mmØ WM
203mmØ WM
PHASE 6
PHASE 7
PHASE 8

KILBIRNIE DR
DONEGAL WAY
TULLAMORE HEIGHTS
RAHEEN COURT
LYNN COCK-TEA STREET
SHAMROCK ROAD
ATHENRY COURT
LURGAN WAY
BARNSDALE ROAD
375mmØ SAN

LEGEND:

- LIMIT OF STUDY AREA
- WATERMAIN
- EXISTING WATERMAIN

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

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CONSULTANT:

PROFESSIONAL STAMP
LICENSED PROFESSIONAL ENGINEER
K.R. FERREY MORENO
100122432
2026-06-26
PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:
QUINN'S POINTE PHASES 6-8
3882 & 4000 BARNSDALE ROAD

DRAWING:
CONCEPTUAL WATER

DESIGN:	KF
DRAWN:	KC
CHECKED:	KF
JLR #:	26610-006

DRAWING #: CMWM

PLOT DATE: June 26, 2026 12:03:20 PM

File Location: P:\26000\26610-006 - Quinns Pointe Stage 6\10-Production\01-Civil\26610-006 C CSERVICING.dwg

BLOCK 540

SWM POND

3.66 ha

9.04 ac

CAPPAMORE DR

CAPPAMORE DRIVE

BARNSDALE ROAD

STREET NO.15

STREET NO.17

BLOCK 552

BLOCK 551

OUTLET STRUCTURE COMPLETE WITH RIP RAP AND PLUNGE POOL. DIMENSIONS TO BE FINALIZED AT DETAILED DESIGN.

OUTLET STRUCTURE COMPLETE WITH RIP RAP AND PLUNGE POOL. DIMENSIONS TO BE FINALIZED AT DETAILED DESIGN.

150mmØ PERFORATED PIPE. LAYOUT TO BE FINALIZED AT DETAILED DESIGN.

3.0m ACCESS/MAINTENANCE ROAD

OUTLET STRUCTURE TO BE SIZED AT DETAILED DESIGN COMPLETE WITH 335mm ORIFICE AT 98.45m 250mm X 900mm RECTANGULAR ORIFICE AT 100.80m

675mmØ STM

975mmØ STM

1800mmØ STM

1050mmØ STM

600mmØ STM

375mmØ STM

450mmØ STM

200mmØ PVC DR-35

BH 9-22
100.84
(94.13)
(100.53)

BH 2-22
100.95
(98.43)

BH 6-22
99.99
(99.05)

BH 1-22
100.08
(98.49)

EX POND INLET

EX108A

TOP/BANK

DITCH

EDGE/GRAVEL

EDGE/ASPHALT

CENTRE OF ROAD

INVER LANE

TALBOT A

BARRIER CURB

ROSEMOUNT CRT

BUSH

LEGEND:

- LIMIT OF STUDY AREA
- 108.40 PROPOSED CENTRELINE DESIGN GRADES
- 108.40 PROPOSED DESIGN GRADES
- 109.30 EXISTING/PROPOSED CENTRELINE DESIGN GRADES
- BH 8-15 106.93 (98.96) BOREHOLE WITH MONITORING WELL FROM PATERSON REPORT PG6197-2 REVISION 1 DATED JUNE 27, 2025
- CONVENTIONAL STORM SEWER
- EES STORM SEWER
- PERFORATED PIPE
- EXISTING STORM SEWER
- 3m ACCESS/MAINTENANCE ROAD

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

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PROFESSIONAL STAMP: LICENSED PROFESSIONAL ENGINEER K.R. FERREY-MORENO 100122432 2026-06-26 PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:

QUINN'S POINTE PHASES 6-8

3882 & 4000 BARNSDALE ROAD

DRAWING:

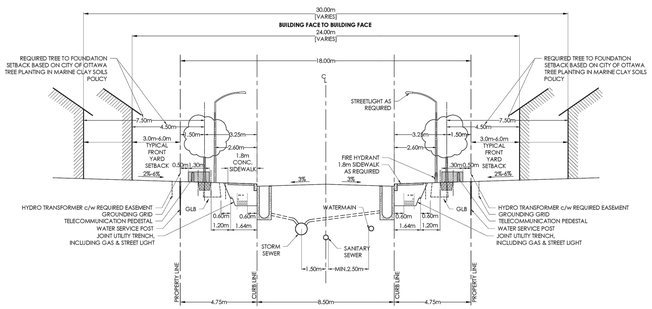
CONCEPTUAL FILTRATION AND DRY POND

DESIGN: KF	
DRAWN: KC	DRAWING #:
CHECKED: KF	CPOND
JLR #: 26610-006	

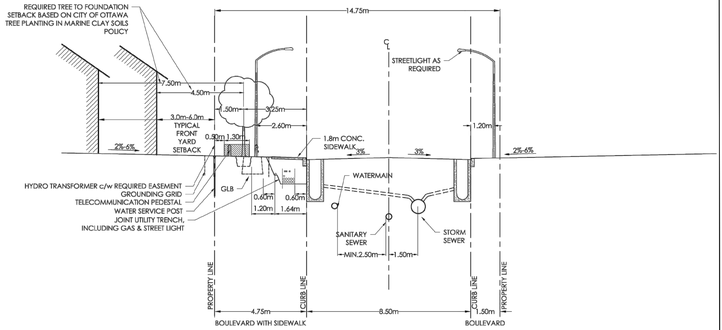
PLOT DATE: June 29, 2026 12:03:28 PM

File Location: P:\26000\26610-006 - Quinns Pointe Stage 6\10-Production\01-Civil\26610-006 C CPOND.dwg

1. STANDARD CROSS-SECTIONS TO BE READ IN CONJUNCTION WITH THE GENERAL STANDARD CROSS-SECTION NOTES AND OTHER APPLICABLE CITY AND UTILITY PLANS AND DETAILS.
2. 18M RIGHT-OF-WAY NOT TO BE USED ON STREETS WITH BUS SERVICE.
3. CONCRETE CURBS TO BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD DETAILS.
4. TYPICAL FRONT YARD SETBACK IS TO BE CLEAR AND UNENCUMBERED OF ANY SUBSURFACE BUILDING ENCROACHMENTS.
5. FIRE HYDRANTS TO BE LOCATED ON THE WATERMAIN SIDE OF THE STREET.
6. CATCH BASINS TO BE PER CITY OF OTTAWA DETAIL S2.
7. GAS MAIN SHALL HAVE A MINIMUM OF 0.6M CLEARANCE FROM STRUCTURES E.G. CATCH BASINS AND HYDRANTS) AND 1.2 M FROM TREE ROOT BALL.
8. STREETLIGHTS CAN BE LOCATED ON EITHER SIDE OF THE RIGHT-OF-WAY.
9. JOINT-USE UTILITY TRENCH (JUT) UNDER SIDEWALK AS PER DETAIL UD5004R. HELD BY HYDRO OTTAWA.
10. GRADE LEVEL BOX (GLB) AS DRAWN SHOWS GLB3660. EXACT LOCATION TO BE CONFIRMED.
11. THIS CROSS-SECTION CANNOT BE USED WHERE A CONCRETE ENCASED HYDROELECTRIC DUCT OR ANOTHER SEPARATE UTILITY DUCT IS REQUIRED.
12. TREE CLEARANCES TO HYDRO OTTAWA PLANT SHALL FOLLOW GCS0038.
13. CLEARANCES SHOWN ARE MINIMUMS.



Ottawa	18.0m ROW CROSS SECTION	REV.DATE: AUG. 2022
		DWG. No. ROW-18.0



NOTES:

1. STANDARD CROSS-SECTIONS TO BE READ IN CONJUNCTION WITH THE GENERAL STANDARD CROSS-SECTION NOTES AND OTHER APPLICABLE CITY AND UTILITY PLANS AND DETAILS
2. 14.75m RIGHT-OF-WAY NOT TO BE USED ON STREETS WITH BUS SERVICE
3. CONCRETE CURBS TO BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD DETAILS
4. TYPICAL FRONT YARD SETBACKS ARE TO BE CLEAR AND UNENCUMBERED OF ANY SUBSURFACE BUILDING ENCROACHMENTS
5. FIRE HYDRANTS SHALL BE LOCATED ON THE WATERMAIN SIDE OF THE STREET.
6. CATCH BASINS TO BE PER CITY OF OTTAWA DETAIL S2.
7. STREETLIGHTS MAY BE LOCATED ON EITHER SIDE OF THE RIGHT-OF-WAY.
8. GAS MAIN SHALL HAVE A MINIMUM OF 0.6m CLEARANCE FROM STRUCTURES (E.G. CATCH BASINS AND HYDRANTS) AND 1.2m FROM TREE ROOT BALL
9. JOINT-USE UTILITY TRENCH (JUT) UNDER SIDEWALK AS PER DETAIL UD5004R. HELD BY HYDRO OTTAWA
10. GRADE LEVEL BOX (GLB) AS DRAWN SHOWS GLB3660. EXACT LOCATION TO BE CONFIRMED
11. THIS CROSS-SECTION CANNOT BE USED WHERE A CONCRETE ENCASED HYDROELECTRIC DUCT OR ANOTHER SEPARATE UTILITY DUCT IS REQUIRED
12. TREE CLEARANCES TO HYDRO OTTAWA PLANT SHALL FOLLOW GCS0038
13. BOULEVARD MAXIMUM SLOPE 1:3
14. NO RETAINING WALLS WITHIN 2.0m OF THE CURB LINE
15. CLEARANCES SHOWN ARE MINIMUMS

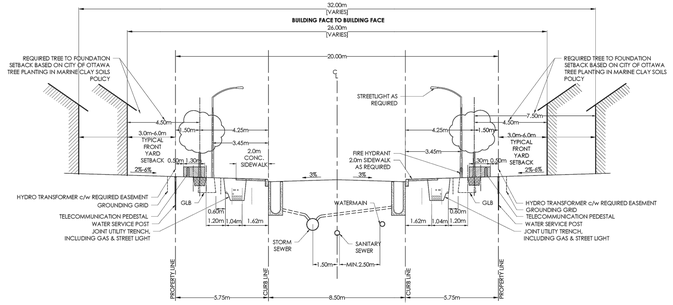
Ottawa	TITLE: 14.75m ROW CROSS SECTION	DATE: AUG 2022
		REV: JULY 2024
		DWG No: ROW-14.75

NOTES:

1. THE STANDARD ROW CROSS SECTIONS INDICATE MINIMUM DIMENSIONS THAT ARE TO BE INCORPORATED INTO THE DESIGN OF ANY NEW DEVELOPMENTS INVOLVING NEW AND EXISTING STREETS. ANY VARIATIONS TO THE STANDARD ROW CROSS SECTIONS ARE SUBJECT TO THE INFRASTRUCTURE SERVICES DEVIATION PROCESS. CONTACT THE STANDARDS UNIT AT STANDARDSSECTION@OTTAWA.CA FOR MORE INFORMATION.
2. ALL DRAWINGS SHALL BE READ IN CONJUNCTION WITH APPLICABLE CITY STANDARDS, GUIDELINES, AND POLICES, INCLUDING COORDINATED UTILITY PLANS, GRADING PLANS AND LOCAL AREA PLANS. REFER ALSO TO UTILITY PARTNER STANDARD PLANT LOCATIONS.
3. ALL CROSS SECTIONS MAY BE SUBJECT TO SUBSEQUENT TRAFFIC CALMING MEASURES, TO BE DETERMINED THROUGH PLAN OF SUBDIVISION OR SEPARATE TRANSPORTATION STUDIES.
4. TYPICAL CROSS SECTION BOULEVARD WIDTH SHALL BE MAINTAINED WHEN CONSTRUCTING CUL-DE-SACS AND CORNER LOTS, REGARDLESS OF ROADWAY GEOMETRY.
5. WATERMAINS, WATER SERVICES, AND ASSOCIATED APPURTENANCES SHALL BE CONSTRUCTED PER THE WATER DESIGN GUIDELINES.
6. WATERMAIN AND HYDRANTS TO BE INSTALLED ON SOUTH AND EAST SIDE OF ROW, WHERE POSSIBLE.
7. SEWERS AND SEWER SERVICES SHALL BE CONSTRUCTED PER THE SEWER DESIGN GUIDELINES.
8. IN-ROAD CATCH BASINS SHALL ONLY BE USED ON RESIDENTIAL ROADS WITHOUT BUS TRAFFIC OR AS OTHERWISE DIRECTED BY THE SEWER DESIGN GUIDELINES.
9. BARRIER CURB SHALL BE USED ON ALL RESIDENTIAL ROADS WITH SINGLE FAMILY DWELLINGS. MOUNTABLE CURB MAY ONLY BE USED FOR AREAS WITH FREQUENT CURB-CUTS, SUCH AS TOWNHOME DEVELOPMENTS, WITH APPROVAL FROM THE CITY.
10. WATER AND SEWER SERVICES SHALL BE LAID AS PER CITY STANDARD DETAIL DRAWINGS, THE COORDINATED UTILITY PLAN, AND IN COORDINATION WITH ALL OTHER ELEMENTS IN THE ROW.
11. WHERE LOCATING WATER AND SEWER SERVICES UNDERNEATH LANDSCAPED AREAS WOULD PREVENT THE PLANTING OF A TREE, THEY MAY BE RUN UNDERNEATH THE DRIVEWAY OR OTHER HARDSCAPED AREAS.
12. MINIMUM 1.5 M CLEARANCE, AT-GRADE, TO BE MAINTAINED AROUND WATER SERVICE POST FROM TREE, TRANSFORMER, UTILITY PEDESTAL, TRAFFIC POLE, AND STREETLIGHT.
13. UTILITY PEDESTALS ARE TO BE GROUPED TOGETHER WITH THE HYDROELECTRIC TRANSFORMER, OR ON THE HOUSE SIDE OF THE UTILITY TRENCH.
14. STREETLIGHT CABLE SHALL BE LOCATED IN JOINT USE TRENCH (JUT). WHERE NO JUT EXISTS, ENSURE CLEARANCES TO TREE, HYDRANTS, AND WATER SERVICE POST.
15. TRAFFIC SIGNAL CABLE SHALL BE LOCATED IN THE JUT OR AT THE SAME OFFSET AS STREETLIGHT POLES IN A SEPARATE TRENCH.
16. TRAFFIC COMMUNICATIONS CABLE SHALL BE LOCATED IN THE JUT OR IN A TRENCH LOCATED AT THE SAME OFFSET AS THE STREETLIGHT POLES.
17. THE PREFERRED LOCATION FOR TRAFFIC HANDHOLES IS IN HARD SURFACES. WHEN HANDHOLES ARE PLACED IN THE BOULEVARD, A CONCRETE COLLAR SHALL BE PROVIDED.
18. THE DEVELOPER SHALL SUPPLY AND INSTALL DUCTS FOR UTILITY CROSSINGS AT INTERSECTIONS.
19. TREE PLACEMENT, NUMBER, AND SPECIES SHALL BE PER CITY POLICY, THE LANDSCAPE PLAN, COORDINATED-UTILITY-PLAN, AND THE DEVELOPMENT AGREEMENTS.
20. THE HYDRO TRANSFORMER BASE SHALL BE LOCATED A MINIMUM OF 2.0 M FROM THE DRIVEWAY EDGE.

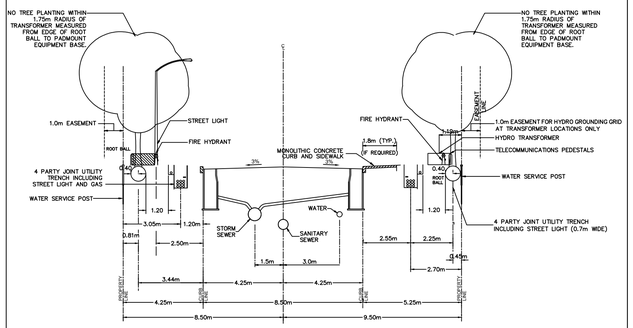
Ottawa	TITLE: STANDARD NOTES ROAD ALLOWANCE	DATE: MAR 2009
		REV: SEPT 2022
		DWG No: ROW-NOTES

1. STANDARD CROSS-SECTIONS TO BE READ IN CONJUNCTION WITH THE GENERAL STANDARD CROSS-SECTION NOTES AND OTHER APPLICABLE CITY AND UTILITY PLANS AND DETAILS.
2. CONCRETE CURBS TO BE CONSTRUCTED AS PER CITY OF OTTAWA STANDARD DETAILS.
3. TYPICAL FRONT YARD SETBACK IS TO BE CLEAR AND UNENCUMBERED OF ANY SUBSURFACE BUILDING ENCROACHMENTS.
4. FIRE HYDRANTS TO BE LOCATED ON THE WATERMAIN SIDE OF THE STREET.
5. CATCH BASINS TO BE PER CITY OF OTTAWA DETAIL S2.
6. GAS MAIN SHALL HAVE A MINIMUM OF 0.6M CLEARANCE FROM STRUCTURES E.G.CATCH BASINS AND HYDRANTS) AND 1.2 M FROM TREE ROOT BALL.
7. STREETLIGHTS CAN BE LOCATED ON EITHER SIDE OF THE RIGHT-OF-WAY.
8. GAS MAIN SHALL HAVE A MINIMUM OF 0.6 M CLEARANCE FROM STRUCTURES E.G. CATCH BASINS AND HYDRANTS) AND 1.2 M FROM TREE ROOT BALL.
9. JOINT-USE UTILITY TRENCH (JUT) UNDER SIDEWALK AS PER DETAIL UD5004F (REV 22) HELD BY OTTAWA HYDRO.
10. GRADE LEVEL BOX (GLB) AS DRAWN SHOWS GLB3660, EXACT LOCATION TO BE CONFIRMED. THIS CROSS SECTION TO BE USED IF CONCRETE ENCASED HYDRO DUCT OR ANOTHER SEPARATE UTILITY DUCT IS REQUIRED. IF CONCRETE ENCASED HYDRO DUCT IS UTILIZED, INSTALATION AS PER DETAIL UD5005I.
11. WHEN CONCRETE DUCT BANKS ARE REQUIRED, ADDITIONAL CLEARANCE IS REQUIRED FOR THE INSTALLATION OF A 2.2M X 4.0M MAINTENANCE HOLE PER OTTAWA HYDRO DETAIL UC50014. LOCATIONS TO BE DETERMINED DURING DESIGN PHASE.
12. TREE CLEARANCES TO HYDRO OTTAWA PLANT SHALL FOLLOW GCS0038.
13. CLEARANCES SHOWN ARE MINIMUMS.



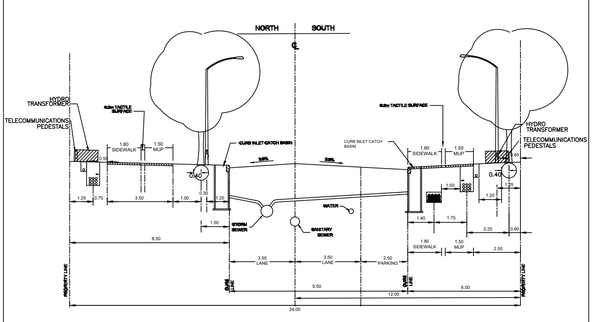
Ottawa	20.0m ROW CROSS SECTION	REV.DATE: AUG. 2022
		DWG. No. ROW-20.0

18.0m ROW WITH SIDEWALK

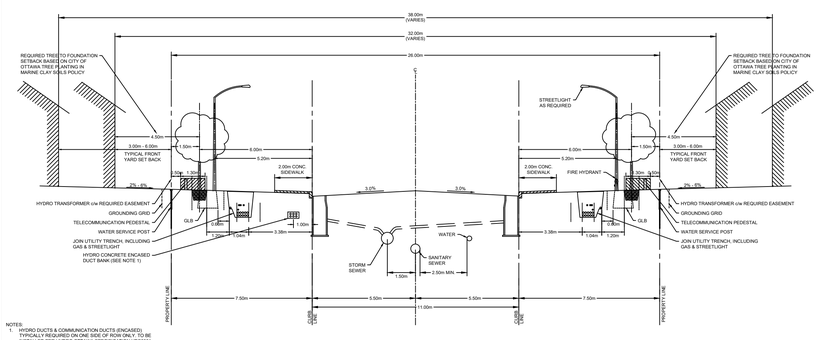


NOTES:
1. AT CATCH BASIN AND HYDRANT LOCATIONS THE GAS MAIN SHALL HAVE A MINIMUM 0.6 m CLEARANCE FROM STRUCTURES.

24.0m ROW WITH PARKING LANE

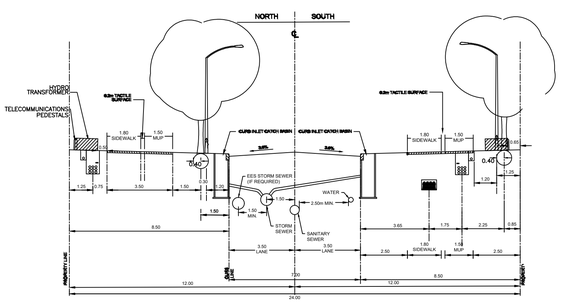


26.0m ROW



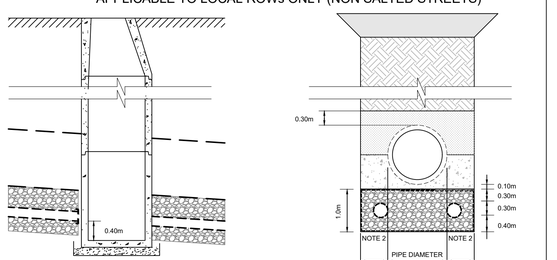
NOTES:
1. HYDRO DUCTS & COMMUNICATION DUCTS (ENCASED) TYPICALLY REQUIRED ON ONE SIDE OF ROW ONLY. TO BE INSTALLED PER HYDRO OTTAWA SPECIFICATION UD5005I.

24.0m ROW TYPICAL



EES INSTALLATION DETAIL

APPLICABLE TO LOCAL ROWs ONLY (NON SALTED STREETS)



STORM MAINTENANCE HOLE DETAIL N.T.S.

TRENCH FOR STORM SEWER N.T.S.

NOTES
1. THE CONTRACTOR SHALL INSTALL EES PLUGS AT ALL EES PIPE MAINTENANCE HOLE CONNECTIONS. TEMPORARY PLUGS, WHICH ARE NOT SHOWN ON PROFILE DRAWINGS, SHALL BE REMOVED AT THE COMPLETION OF CONSTRUCTION. EES PLUGS SHOWN ON PROFILE DRAWINGS SHALL BE PERMANENT.
2. - 450mm CLEARANCE FOR PIPES 900mmØ OR LESS
   - 500mm CLEARANCE FOR PIPES OVER 900mmØ
3. PERFORATED PIPE TO BE HDPE N-12Ø WT IB AS PER MANUFACTURER WITH LONGITUDINAL SPACING OF 100mm AND ORIENTED AT 0, 2, 4, 6, 8 AND 10 O'CLOCK
4. INITIAL BACKFILL MATERIAL:
   4.1. CONCRETE PIPE - GRANULAR 'A' OR GRANULAR 'B' MATERIAL WITH 100% PASSING THE 37.5mm SIEVE
   4.2. PVC PIPE - GRANULAR 'A'
5. STORM SEWER MAINTENANCE HOLES SERVICING LOCAL SEWERS WHERE THE EES IS PRESENT SHALL BE CONSTRUCTED WITH A MINIMUM OF 400mm SUMP FOR SEDIMENT CAPTURE BELOW THE INVERT OF THE EES PERFORATED PIPES, REGARDLESS OF THE LOCAL SEWER PIPE SIZE.

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

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SCALE:

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CONSULTANT:

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LICENSED PROFESSIONAL ENGINEER
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2026-06-26
PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:
QUINN'S POINTE PHASES 6-8
3882 & 4000 BARNSDALE ROAD

DRAWING:
DETAILS

DESIGN: KF	DRAWING #:
DRAWN: KC	CD1
CHECKED: KF	
JLR #: 26610-006	

PLOT DATE: June 26, 2026 12:03:38 PM

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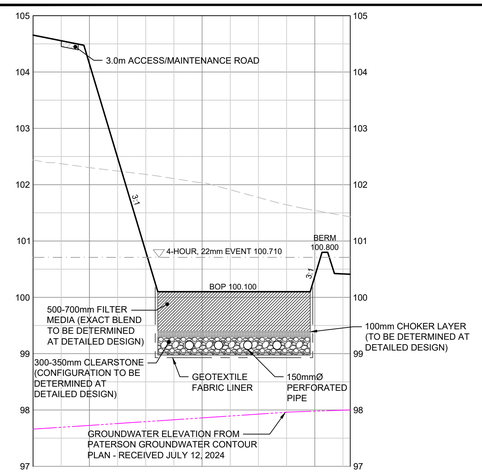

01 CD2 FILTRATION POND

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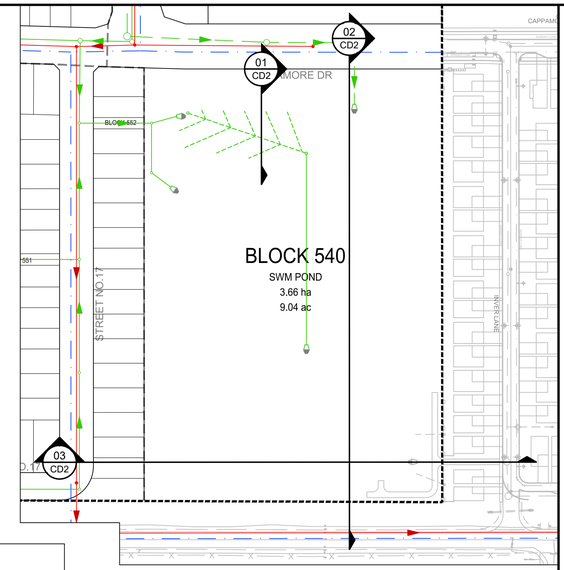
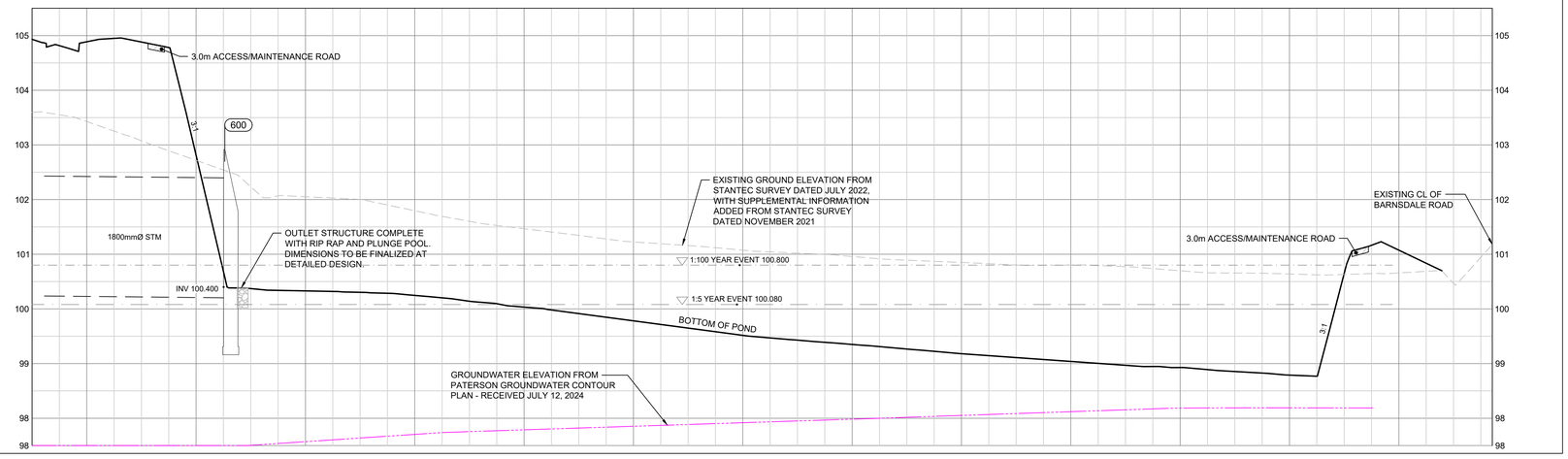
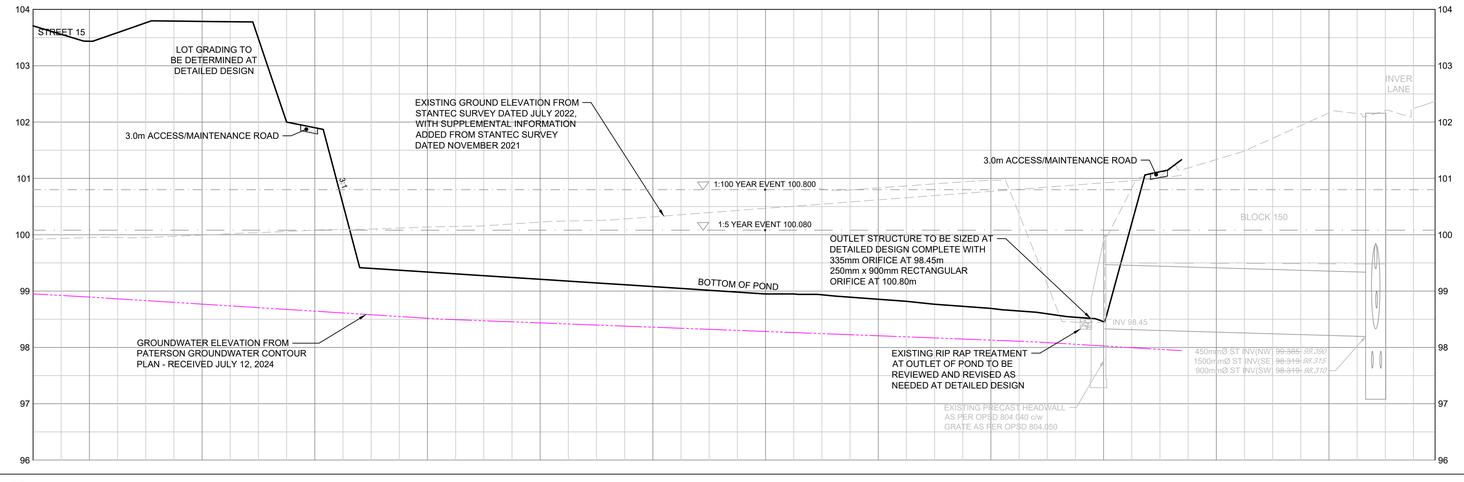




02 CD2 DRY POND EES INLET

SCALE: 1:500H, 1:50V



03 CD2 DRY POND OUTLET

SCALE: 1:500H, 1:50V

NOTE: KILBIRNIE ROAD, ELEVATION ROAD AND A PORTION OF CAPPAMORE DRIVE CLASSIFIED COLLECTOR STREETS.

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PROVINCE OF ONTARIO

PROJECT NORTH

PROJECT:

QUINN'S POINTE PHASES 6-8

3882 & 4000 BARNSDALE ROAD

DRAWING:

CONCEPTUAL POND SECTIONS

DESIGN: KF	
DRAWN: KC	DRAWING #: CD2
CHECKED: KF	
JLR #: 26610-006	

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PLOT DATE: June 26, 2026 - 12:04:12 PM

Appendix I

Operation and Maintenance
Manual (EES) and Modelling Files

JLR No.: 26610-006.0
Revision: 0

June 26, 2026

Operation and Maintenance Manual

Etobicoke Exfiltration System

J.L.Richards
ENGINEERS · ARCHITECTS · PLANNERS

Value through service and commitment

DOCUMENT CONTROL

This integrated Draft Operation and Maintenance Manual provides comprehensive guidance for the operation and maintenance of the Etobicoke Exfiltration System (EES) located in Quinn's Pointe Phases 6-8, formerly referred to the S1 Area.

The document outlines inspection schedules, maintenance procedures, proposed training and compliance requirements to ensure long-term functionality, regulatory adherence, and environmental protection.

The Manual is intended for use by the *City of Ottawa - Wastewater & Stormwater Collection System*, by their maintenance personnel, and regulatory authorities.

Project / Facility Name	[Insert]
Project Location	[Insert]
Sewer Shed / Service Area	[Insert]
Owner	City of Ottawa
Prepared By	[Insert Consultant/Engineer]
Issue/Revision	Rev. 1 – Integrated O&M, Training, and Monitoring Plan Template

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REVISION RECORD

J.L.Richards
ENGINEERS · ARCHITECTS · PLANNERS

The Revision Record must always be kept at the front of this Operations and Maintenance Manual. All future revisions must be numbered and dated consecutively. Annual updates to the revision record will ensure that the manual reflects all modifications.

Revision Number	Revised Sections/Pages	Date of Revision	Date Revision is Put in Effect	Revision put in Effect By
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List of Drawings

Detailed Design Drawings provided as part of Approval

List of Attachments

Attachment 1	Copy of Environmental Compliance Approval (Number 8161-BCNKM5)
Attachment 2	City of Ottawa CLI-ECA: Municipal Stormwater Management System (ECA Number 008-S701)

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Scope of Manual

This Draft Operations and Maintenance Manual (OMM) has been prepared by J.L. Richards & Associates Limited (JLR) on behalf of Minto Communities Inc., and subsequently for the City of Ottawa, to provide comprehensive guidance for the operation and maintenance of the Etobicoke Exfiltration System (EES) for future phases within the S1 Area herein referred to as Quinn's Pointe Phases 6-8. As for all OMM, the document will be refined as part of Quinn's Pointe Stage 5 and the forthcoming Phases 6-8 and will be finalized prior to construction.

The EES was implemented across various phases of the Barrhaven South Urban Expansion Area (BSUEA) and was designed to capture and promote distributed infiltration of frequent flows, thereby reducing adverse impacts to the shallow aquifer. This approach reflects the designation of the BSUEA within a Highly Vulnerable Aquifer, as identified through source protection mapping by the Ministry of the Environment, Conservation and Parks (MECP).

Initial versions of the OMM were developed, with the initial version prepared as part of the BSUEA Master Servicing Study (MSS). Following approval of the MSS in May 2018, the OMM was revised and subsequently incorporated into multiple Site Servicing Reports, which were approved for Quinn's Pointe Stages 2–4.

This document builds on the versions referenced above, which primarily address mid- to long-term inspection and maintenance requirements of the EES. This Manual was referenced to include the following information:

i. Background and EES Overview
ii. EES Details and Key Design Components
iii. Temporary Plug Removal Summary
iv. Roles and Responsibilities
v. Operating and Maintenance Procedures,
vi. Inspection Program
vii. Repair and Maintenance Program
viii. Contingency Plans
ix. Proposed Monitoring Plan
x. Proposed Training program for City of Ottawa wastewater/stormwater operators
xi. Proposed Public Complaint Procedures, if any.

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1.0 Background and System Overview

1.1 Etobicoke Exfiltration System History

The Etobicoke Exfiltration System was originally developed in 1993 in the former City of Etobicoke (now City of Toronto) and constructed in 1993/1994 as part of municipal road reconstruction projects.

Three (3) systems totaling approximately 2.1 km were installed in the City of Etobicoke to provide water quality enhancement for existing serviced areas and were designed to capture runoff from a 15 mm, 1-hour AES rainfall event. Experience from these installations, together with broader guidance for underground infiltration practices, informs the recommended operation and maintenance procedures in this manual.

During the preparation of the BSUEA MSS (2018), the City of Ottawa indicated as part of the Technical Advisory Committee (TAC) meetings that it owned more than ten (10) EES throughout the limits of the City of Ottawa. No records were provided to JLR as to the performance or design basis of these existing systems.

2.0 EES Details and Key Design Components

An Etobicoke Exfiltration System (EES) is a linear perforated-pipe system installed within a clear stone trench surrounded by geotextile to promote controlled exfiltration/infiltration to surrounding soils. Within existing Quinn's Pointe Subdivision and successive phases in the future Quinn's pointe Phases 6-8, the EES will likely consist of 2x300 mm diameter perforated sewer surrounded by a clear stone envelope varying in size depending on the storm sewer diameter which is wrapped in geotextile.

Where applied to the stormwater collection infrastructure, operations must ensure reliable conveyance while managing risks related to sediment accumulation, clogging, and unintended infiltration/inflow pathways. Its key design components are as follows:

- Upstream and downstream maintenance holes (MHs) / access chambers and cleanouts.
- Perforated 300 mm diameter sewers surrounded by a clear envelope.
- Clear stone envelope/trench complete with specified geotextile separation.
- Catch basins/inlets (where connected) and inlet control devices (ICDs) where applicable.
- Mechanical plugs generally at the downstream end with manholes servicing as inspection points.
- Overflow provisions when EES is at capacity by the traditional sewer located above the clear stone envelope.

2.1 Typical Environmental Compliance Approval (ECA)

Within Minto's holdings, the EES was first implemented in 2019 in Quinn's Pointe Stage 2. It's mid- to long-term construction and maintenance requirements were noted in the Environmental Compliance Approval (ECA) issued at the time. A copy of this ECA (Number 8161-BCNKM5) for the above-noted Stage is included as reference in **Attachment 1**.

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2.2 Consolidated Linear Infrastructure Environmental Compliance Approval

In 2022, the Ministry of the Environment, Conservation and Parks (MECP) introduced a revised approval framework aimed at modernizing the process for authorizing the construction of linear infrastructure and stormwater management facilities. The intent of this framework is to streamline approvals for both the Ministry and municipalities by establishing a consistent set of predefined conditions that enhance environmental protection.

Under this approach, the previous system which was based on individual Environmental Compliance Approvals (ECAs), is replaced with a pre-authorized model subject to standard conditions. This new framework is known as the Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA).

Since the issuance of individual ECAs for Stages 2 to 4, the remaining Stage of Quinn's Pointe (Stage 5) and any subsequent subdivisions in Quinn's Pointe Phases 6-8, will be governed by the new CLI-ECA as the proposed EES meets the pre-set conditions of the city of Ottawa CLI-ECA. A copy of the CLI-ECA is included in **Attachment 2**.

3.0 City of Ottawa - Operational Context

3.1 Catch Basin

Within the City of Ottawa, catch basin (CB) sump cleaning is based upon a condition and risk-based program rather than a single fixed frequency for all CB structures. Typically, a multi-year rotation (often on the order of ~2 to 3 years) is adopted by the City of Ottawa, with more frequent cleaning at priority locations such as arterials, CBs in roadway sags, high sediment loading areas, and locations with recurring ponding or winter sanding impacts. Additional cleanouts are typically triggered reactively based on observed sediment accumulation, complaints/ponding, construction activity, or post-event needs (e.g., following significant storms or heavy debris loading).

Based upon practice described above, accumulated sediment removal within CB sumps along EES reaches should be prioritized to ensure that sediment loadings in sumps are vacuumed periodically (maximum 3-year frequency) to minimize sediment transmitted to manhole structures which could hinder exfiltration of the EES to the shallow aquifer.

3.2 Other Factors

Within the existing Quinn's Pointe Subdivisions and future Quinn's Pointe Phases 6-8, several operational and site constraints have been identified that can impact the efficiency of the system:

- Seasonal groundwater fluctuations may reduce the exfiltration gradient and influence drawdown times, as documented in previous EES Monitoring Reports for the Quinn's Pointe Subdivisions.
- Winter conditions, including frost conditions, can slightly reduce infiltration capacity and limit access. However, as noted in the MSS Addendum (May 27, 2026) for the S1 Area

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and in the 2025 EES Monitoring Report, the system remains functional during winter months, with only minor decreases in drawdown time observed, when conditions at the surface (i.e., CBs) allow for flows to be transmitted to the traditional storm sewer and ultimately to the EES.

- Sediment loading during construction of upstream phases is a primary contributor to early system clogging; therefore, effective sediment and erosion control during phased development is critical. Temporary plugs are maintained at both ends of the EES until construction activities are complete, which coincides once final lift has occurred.

4.0 Plug Removal Status

An EES is only commissioned once the temporary plugs have been removed and CCTV approvals by the city of Ottawa is obtained for the conventional storm sewer system. Before this time, the EES is non-functional to preserve its original exfiltration capacity during high-sediment loading period from construction activities.

Table 1 below summarizes the information that should be compiled as part of commissioning of an EES.

Table 1 – Temporary Plug Removal Information

Phase	EES Plug Removal Status	CCTV Final Approval from City of Ottawa
Description of Phase	Description of EES plug status	Date

The above-noted information should be compiled by the Engineer/Developer once commissioning has occurred.

5.0 Roles, Responsibilities, and Contacts

5.1 During Construction

During construction and prior to EES commissioning, **Table 2** below summarizes responsibilities of the Contractor and/or the Design Engineer along with escalation pathways which is based on current practices.

Table 2 – Role and Responsibilities During Construction

Role	Responsibility (Minimum)
Contractor/Design Engineer	Routine inspections, verifying effectiveness of ESC measures, preparation of work orders, cleaning/jetting if required, and record keeping.
Contractor/Design Engineer	Integration of CCTV program, and monitoring plan review.

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Contractor/Design Engineer	Coordination of spill response, if applicable.
Design Engineer/Contractor during Turnover Period	Commissioning support, baseline CCTV, monitoring plan finalization, and training support.

Emergency / escalation contacts should be added, including:

- City of Ottawa – Operation Group
- Phone number(s), and
- After-hours procedures

6.0 Operating and Maintenance Procedures

An EES is passive in nature, similar to a traditional storm sewer system. The system was integrated along Quinn's Pointe storm sewer system along specific local roads while none was added along collector roads due to the roadway salts. There are certain procedures that are generally required to maintain the system in serviceable condition. The following routine procedures may apply:

- As part of a biennial task, confirm, via spot checks, that catch basins and maintenance holes tributary to EES reaches are free of excessive debris and/or sediment deposition. It is important that CB sumps tributary to EES are kept below capacity to limit sediment transport into the EES.
- Based on the operation of the city's storm sewer system, CB sumps are generally vacuumed every 2 years if CBs are deemed sensitive to sediment loadings. For other CBs located outside sensitive areas, they are generally vacuumed every 3 years.
- As part of the biennial task, if conducted within dry periods, confirm that the level in the manholes is at or below the bottom of the EES invert. If it appears to be partially or totally submerged during dry periods, it will confirm that the groundwater table has risen to a level which will impact the performance of the EES. Those periods of submergence should be documented, and follow-up observations be completed. Should standing water persist longer than expected, it may indicate blockage, sedimentation, or reduced exfiltration performance.

7.0 Inspection Program

7.1 Standard Process

Inspections shall be undertaken at the frequencies proposed in **Table 3** (below). It should also be carried out after reported spills, construction in the tributary area, or public complaints indicating possible performance issues.

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7.2 After Commissioning

Following final lift asphalt, curb and sidewalk placement, and lot development at approximately 80% build-out, temporary plugs will be removed and the EES commissioned.

Once commissioned and until such time that Ownership of the EES is transferred to the City of Ottawa, it is proposed that operational tasks, as summarized in Section 7.3 and summarized in **Table 3**, be completed by the Developer/Design Engineer to ensure that the system performs as per the design intent.

7.3 Inspection Methods and Tests

It is recommended that the Developer/Design Engineer carry out biennial spot checks of sediment depth accumulation in CB and MH sumps along the EES until such time that Ownership of the EES is transferred to the City of Ottawa.

- Visual inspections shall document sediment depth, debris, standing water, evidence of surcharge.
- Sediment depth in catch basin sumps should be measured using a rod, tape, sludge judge, or similar device lowered to the bottom of the sump to determine the approximate depth of accumulated material.
- Where performance issues are suspected, supplementary observations after rainfall events should be completed to identify persistent ponding or slow drawdown.

Table 3 – Inspection Program

Component / Activity	Minimum Frequency	Method / Test	Maintenance Trigger
Catch basins	Biennial Spot Checks (once per 2 years)	Visual inspection; measure sump sediment depth using a calibrated rod	Sediment accumulation approaching 50%-60% of sump depth, evidence of blockage, floatables
Maintenance holes connected to EES	Biennial Spot Checks (once per 2 years)	Visual inspection for sediment, staining, structural condition, surcharge indicators, odours, and access condition	Deposits restricting flow, signs of structural distress, infiltration/inflow anomalies, or surcharge/backup evidence
Following spill	Immediately following incident and again after clean-up	Visual inspection, isolation/containment checks, and targeted CCTV if contamination reached the system	Any indication that deleterious material entered the drainage system or stone reservoir

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7.4 Post-Construction and After Commissioning of EES

Given that the lands are part of MECP's Source Protection Area, catch basin sumps in Quinn's Pointe Subdivision should be vacuumed, every 3 years, at minimum. This frequency is also supported by the fact that an EES has been implemented along local roads designed with a sawtooth profile, this type of configuration (sags) is accounted by the city of Ottawa in their periodic sump cleaning.

Based on the recommended frequency of CB sump cleaning as noted above and the temporary plug removal status (Table 1), the following generic operational tasks are proposed to be carried out by the Developer/Design Engineer until Ownership is transferred to the City of Ottawa. Information should be compiled in the following generic Table.

Table 4 - Proposed Spot Check of Sediment Build-up

Phase	EES Plug Removal and CCTV Final Approval	Spot Check of Sediment Accumulation	CB Sump Vacuuming Target
Location	Date	2-year after Commissioning	Summer

In terms of biennial spot check verification of accumulated sediments, this task is intended to gather data along the EES in each of the phases once the 2-year commissioning has been achieved.

Based on this target and the average lengths of EES commissioned in an average phase of development, approximately four (4) spot checks are recommended. **Table 5** below should be populated with the recommended information.

Table 5 – Spot Checks of Sediment Build-up

Phase	Spot Check	MH Locations	Sediment Accumulation Reading
Location	1	Street Name 1	Summer XXXX
	1	Street Name 2	Summer XXXX
	1	Street name 3	Summer XXXX

7.5 Spot Check procedure

As part of this biennial task (once per 2-years), the sediment accumulation within CB sumps shall be assessed at the locations identified above using a manual probing method with the exact location determined later this summer. It should be noted that if the manhole location is not well suited due to traffic or access difficulties, an alternate location should be used.

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The inspection is carried out by first removing the catch basin grate and inserting a graduated rod or other measuring device vertically to determine the depth of accumulated sediments as follows:

i. Rod to be lowered gently until it contacts the top of the accumulated sediment, when a change in resistance is noted, then the measurement in meters to the rim should be noted in a logbook.
ii. Rod is then to be lowered to bottom of the sump (typically 600 mm deep), and this measurement is to be noted in the logbook.
iii. Based on the measurements made in (i) and (ii), the difference in the measurement shall be the depth of accumulated sediments.

The measured sediment depth can then be compared against the design sump depth of 600 mm to assess the percentage used by sediments. During this task, the presence of debris, oil/grease, or obstructions, is to be documented as part of the inspection record along with the accumulated depth of sediments. Where sediment levels exceed the acceptable threshold (e.g., 90% capacity), the catch basin should be scheduled for cleaning using vacuum equipment.

7.6 Visual Inspections

It is recommended that pictures of the exposed perforated pipes be taken to provide a visual assessment of the system, when practical. Due to confined space entry, it is proposed that a simplified method be used to document the condition of the system, on a required basis. It is recommended that a camera type “GoPro” be used with adequate lighting by using a boom to access the deeper part of the Maintenance holes.

7.7 Flushing

The flushing of the perforated sub drain should be carried out, on a as required basis as follows:

Flushing Operation

- ✓ Removal of downstream plugs
- ✓ Connect flushing hose or jetting equipment to cleanout (downstream manhole).
- ✓ Flush with clean water at controlled pressure to avoid pipe damage.
- ✓ Use pulsating flow or jetting nozzle for stubborn sediment.

Flushing to be in accordance with recognized practices in the OPSS and/or City specifications.

Sediment Removal

- ✓ Monitor discharge at outlet manhole for sediment and debris.
- ✓ Continue flushing until water runs clear.

Documentation

- ✓ Record date, location, and length of subdrain flushed.
- ✓ Note any issues (blockages, damage, unusual sediment).

7.8 Standard Logbook/Reporting Form

A logbook should be kept for any tasks performed whether operational or maintenance. The Logbook/Form should also describe the activity that was performed and should also be signed and dated by the individual/party responsible for conducting the given task.

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It is also recommended that photographs be taken during each inspection and attached to the Form or logbook as documentation. The Inspection Form should generally include the following information:

- ✓ The name of the person performing the activity.
- ✓ A detailed description of the task and/or activity performed.
- ✓ The date, weather conditions and result of each inspection, maintenance, and cleaning.
- ✓ If sediments or debris were removed, an estimate of the quantity of material removed should be noted.
- ✓ Photographs taken during the site inspection.

8.0 Maintenance and Repair Program

Maintenance frequencies shall be adjusted based on observed sediment loading, surrounding land use, and actual performance of the system. At minimum, the following program identified in **Table 6** should be implemented:

Table 6 – Maintenance Program

Maintenance Activity	Typical Frequency	Procedure	Records to Retain
Catch basin cleanout	At least biennial; if sediment loading is high or when sump is ~50% full	Vacuum remove sediment, debris, and floatables; dispose of material at an approved facility; inspect frame, grate, and sump condition during cleaning	Date, location, estimated volume removed, disposal destination, observed defects
Maintenance hole cleaning	As needed based on biennial spot check inspections	Remove sediment/debris from benching and channels; verify lids, steps, and benching remain in safe condition	Date, location, observations, corrective actions
EES flushing / vacuuming	As needed, if signs of slow drawdown have been observed	Jet-flush and vacuum sewer reach(es) in accordance with best practices and/or OPSS or City specs to remove internal sediment while minimizing downstream release	Date, chainage/segment cleaned, volume removed where available, before/after observations

8.1 General Maintenance Notes

- All maintenance work shall be completed by trained personnel using appropriate confined space, if required, traffic control, and health and safety procedures.

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- Sediment and debris removed from the system shall be handled, transported, and disposed of in accordance with applicable municipal and provincial requirements.
- If repeated cleanouts are required at the same locations, the Owner should assess upstream sediment sources and consider source-control measures or more frequent sump maintenance.
- Where the tributary area includes active construction, a temporary enhanced inspection and cleaning program should be implemented until the drainage area is stabilized.

9.0 Contingency Plans and Procedures for Spills

Potential spills and abnormal situations may include fuel or chemical releases to catch basins, concrete washout entry, paint/solvent discharge, illicit sanitary discharge, excessive sediment release during construction, surcharging/backups, blockage, structural failure, or any event that may impair the function of the Works or affect the receiving environment.

9.1 Immediate Response

- Protect public safety and, where required, establish traffic control and restrict access to affected structures or surface areas.
- Stop or isolate the source of the spill if this can be done safely.
- Prevent further entry to the drainage system by using absorbent materials, spill socks, drain covers, temporary plugs, or vacuum truck response, as appropriate.
- Notify the Owner's designated emergency contact and dispatch qualified response personnel or contractors.
- Document the time, location, apparent material, estimated quantity, weather conditions, and structures potentially affected.

9.2 Notification and Escalation

The Owner shall notify the appropriate regulatory authorities and the District Manager where required by approval conditions or applicable legislation. The Owner should also notify emergency services where there is an immediate threat to public safety. Internal notification lists, after-hours contacts, and any approval-specific callout requirements should be appended to this manual once confirmed for the project.

9.3 Follow-up Actions

- Inspect upstream and downstream structures to confirm the extent of the incident and whether the EES was affected.
- Undertake vacuum removal, flushing, CCTV inspection, and any required cleanup or remediation as soon as practicable.
- If deleterious material has entered the stone reservoir or perforated system, retain a qualified specialist to assess whether localized excavation, replacement, or additional remedial work is necessary.
- Prepare an incident report summarizing cause, response, notifications, cleanup actions, and recommendations to prevent recurrence.

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10.0 Training Program – Wastewater/Stormwater Operators

A structured training program should be adopted for any EES within the city, particularly for those systems part of a Source Protection Area.

Should training be carried out, it shall be documented, repeated for new staff, and refreshed periodically. Given that the program is aimed towards long-term performance, it should be tailored for the City of Ottawa operation group.

10.1 Training Objectives

The objective of training includes the following:

- Understand the objective of the EES, limitations, and differences with a conventional storm sewer system.
- Safely access and inspect linear infrastructure (confined space, traffic control, PPE).
- Perform
- Routine inspections including biennial spot checks to understand sediment accumulation.
- Assessment of drawdown times which can be evaluated by reviewing real-time data collected at three (3) locations within Quinn's Pointe from access to data collected by the SmartLevel™ technology supported by Link Utility Technology. This system was tested and adopted by the City's Operation Group.
- When required, cleaning/jetting procedures specific to perforated pipes (including plug handling where applicable) shall be followed, consistent with OPSS and/or City specifications.
- Collect monitoring data and maintain records suitable for compliance and asset management.

A logbook should be prepared documenting any completed observation/inspection via the preparation of Forms. It should describe the activity that was performed and should also be signed and dated by the individual/party responsible for conducting the given task. It is also recommended that photographs be taken during each inspection and attached to the form as documentation. The Inspection Form should generally include the following information:

- ✓ The name of the person performing the activity.
- ✓ A detailed description of the task and/or activity performed.
- ✓ The date, weather conditions and result of each inspection, maintenance, and cleaning. If material was removed, an estimate of the quantity of the material removed/replaced should be noted.
- ✓ Photographs taken during the site inspection.

11.0 Public Complaint Procedures

The Owner shall maintain a documented procedure for receiving, responding to, and recording public complaints related to the Works. Complaints may include standing water, street flooding,

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odour, icing, sinkholes/settlement, blocked catch basins, or concerns regarding maintenance activities.

- Receive complaint(s) through the Owner's standard customer service line, email, online portal, or operations contact.
- Record the complainant's name (if provided), contact information, date/time received, location, nature of complaint, and any photographs or supporting details provided.
- Assign the complaint a tracking number and screen for urgency. Complaints involving flooding, spills, sinkholes, exposed structures, or public safety hazards shall be escalated immediately.
- Dispatch staff for field review as warranted. Field staff shall document findings, photographs, likely cause, and any immediate mitigation measures undertaken.
- Communicate the status of the response to the complainant, where contact information has been provided, and record the date and method of follow-up.
- Close the complaint only after corrective action is completed or it is determined that no action is required. Retain all supporting records in the O&M file.

11.1 Complaint Record – Minimum Information

If a complaint is made, the following information should be compiled:

- Complaint tracking number
- Date and time received
- Complainant's contact information (if provided)
- Location of concern
- Description of issue
- Inspection date and inspector name
- Findings and photographs
- Actions taken
- Date of follow-up / closure

12.0 Record Keeping and Document Control

The following practices should be adopted:

- Maintain a centralized file (electronic and/or hard copy) containing inspection logs, maintenance records, CCTV files, complaint records, spill/incident reports, and repair documentation.
- Retain as-constructed drawings and identify any changes made during maintenance or rehabilitation activities.
- Review this manual periodically and update it where system configuration, ownership, contact information, or maintenance practices change.

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13.0 Closing Notes

This Operations and Maintenance Manual provide a practical framework for operation and maintenance of the EES and is intended to be updated as project-specific information is cumulated over the years.

Frequencies presented herein are proposed recommendations and should be refined by the city of Ottawa based on observed field conditions with the same systems, municipal direction, and the actual sediment loading and performance of the Works.

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Appendix 1

Copy of ECA Number 8161-BCNKM5

ENVIRONMENTAL COMPLIANCE APPROVAL

NUMBER 8161-BCNKM5
Issue Date: June 19, 2019

Minto Communities Inc.
180 Kent Street, Unit 200
Ottawa, Ontario
K1P 0B6

Site Location: Quinn's Pointe, Stage 2
3960 Greenbank Road
City of Ottawa, Ontario

You have applied under section 20.2 of Part II.1 of the Environmental Protection Act, R.S.O. 1990, c. E. 19 (Environmental Protection Act) for approval of:

the establishment of wastewater infrastructure Works located in the City of Ottawa, consisting of the following:

- **storm sewers** on Kilbirnie Drive (from approximately 10 metres east of Realigned Greenbank Road to Alex Polowin Avenue and Robin Easey Avenue), discharging to existing sewers, located on Kilbirnie Drive;

- **storm sewers** on Robin Easey Avenue (from Kilbirnie Drive to Clonfadda Terrace), discharging to existing sewers, located on Kilbirnie Drive;

- **storm sewers** on Robin Easey Avenue (from the Clonfadda Terrace intersection to approximately 35 metres south of Ralph Erfle Way), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Teelin Crescent (from approximately 50 metres north of the westerly Galmoy Street intersection to the Teelin Crescent and Teelin Crescent intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Teelin Crescent (from approximately 50 metres south of the westerly Galmoy Street intersection to the Robin Easey Avenue intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Galmoy Street (from approximately 40 metres west of the westerly Teelin Crescent intersection to the easterly Teeling Crescent intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Caltra Crescent (from the northerly Robin Easey Avenue intersection to the southerly Robin Easey Avenue intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Dalkey Street (from the northerly Caltra Crescent intersection to the southerly Caltra Crescent intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Ralph Erfle Way (from the intersection of Robin Easey Avenue to approximately 70 metres east of the Rivermist Road intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Alex Polowin Avenue (from approximately 10 metres south of the Russet Terrace intersection to Ralph Erfle Way), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Cloyne Crescent (from approximately 20 metres north of the westerly Cappamore Drive intersection to easterly Cappamore Drive intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Fossa Street (from approximately 10 metres east of the westerly Cloyne Crescent intersection to the easterly Cloyne Crescent intersection), discharging to North Dry Pond (block 356), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Rivermist Road (from approximately 15 metres south of Russet Terrace to Cappamore Drive and Cappamore Drive), discharging to South Dry Pond (block 355), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Cappamore Street (from approximately 10 metres west of the Realigned Greenbank Road intersection to the Greenbank Road intersection), discharging to South Dry Pond (block 355), and ultimately to existing sewers, located on Greenbank Road;

- **storm sewers** on Greenbank Road (from approximately 25 metres from Cappamore Street intersection to approximately 170 metres from the Cappamore Street intersection, discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Kilbirnie Drive (from approximately 10 metres east of Realigned Greenbank Road to Alex Polowin Avenue and Robin Easey Avenue), discharging to existing sewers, located on Kilbirnie Drive;

- **sanitary sewers** on Robin Easey Avenue (from Kilbirnie Drive to Clonfadda Terrace), discharging to existing sewers, located on Kilbirnie Drive;

- **sanitary sewers** on Robin Easey Avenue (from the Clonfadda Terrace intersection to approximately 35 metres south of Ralph Erfle Way), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Teelin Crescent (from approximately 50 metres north of the westerly Galmoy Street intersection to the Teelin Crescent and Teelin Crescent intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Teelin Crescent (from approximately 50 metres south of the westerly Galmoy Street intersection to the Robin Easey Avenue intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Galmoy Street (from approximately 40 metres west of the westerly Teelin Crescent intersection to the easterly Teeling Crescent intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Caltra Crescent (from the northerly Robin Easey Avenue intersection to the southerly Robin Easey Avenue intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Dalkey Street (from the northerly Caltra Crescent intersection to the southerly Caltra Crescent intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Ralph Erfle Way (from the intersection of Robin Easey Avenue to approximately 70 metres east of the Rivermist Road intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Alex Polowin Avenue (from approximately 10 metres south of the Russet Terrace intersection to Ralph Erfle Way), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Cloyne Crescent (from approximately 20 metres north of the westerly Cappamore Drive intersection to easterly Cappamore Drive intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Fossa Street (from approximately 10 metres east of the westerly Cloyne Crescent intersection to the easterly Cloyne Crescent intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Rivermist Road (from approximately 15 metres south of Russet Terrace to Cappamore Drive and Cappamore Drive), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Cappamore Street (from approximately 10 metres west of the Realigned Greenbank Road intersection to the Greenbank Road intersection), discharging to existing sewers, located on Greenbank Road;

- **sanitary sewers** on Greenbank Road (from the intersection of Cappamore Street to an existing maintenance hole approximately 170 metres north of Cappamore Street intersection, discharging to existing sewers, located on Greenbank Road;

- **one (1) Corrugated Steel Pipe culvert** crossing Cappamore Drive at the intersection of Greenbank Road; and

the establishment of stormwater management Works to serve Quinn's Pointe Phase 2 along with future Phases 3 and 4, located in the City of Ottawa for the collection, transmission, treatment and disposal of stormwater runoff from a total catchment area of 67.58 hectares, to provide Enhanced Level water quality protection and to attenuate post-development peak flows to allowable peak flows for all storm events up to and including the 100-year storm event, discharging to storm sewers consisting of the following:

- **oil and grit separator (catchment area 22.58 hectares):** one (1) oil and grit separator, (OGS), CDS Model: PMSU5678 or Equivalent Equipment, located northwest of the Greenbank Road and Cappamore Drive intersection within the dry pond (Block 356) embankment, providing Enhanced Level of protection (80% TSS removal), having a sediment storage capacity of 8.84 cubic metres, an oil storage capacity of 4.957 cubic metres, a total storage volume of approximately 28.13 cubic metres and a maximum treatment rate of 708 litres per second, receiving inflow from the conventional storm sewers (areas without any EES) located within Quinn's Point Stage 2, discharging via a 1650 millimetre diameter trunk sewer equipped with a 450 millimetre orifice at MH158, discharging to existing trunk sewer located on Greenbank Road;

- **stormwater management facility (catchment area 20 hectares of proposed lands and 25 hectares of existing development):** one (1) dry pond (North Pond – Block 356), located north of the Greenbank Road and Cappamore Drive intersection, having a maximum available storage volume of approximately 9,139 cubic metres (during 1:100 year storm + minimum 0.3m freeboard to top of bank) and a maximum depth of 1.44 metres, complete with one (1) inlet structure, consisting of a 1,350 millimetre diameter storm sewer, and one (1) outlet structure, consisting of a 1,350 millimetre diameter storm outlet pipe equipped with a 690 millimetre diameter orifice at existing MH755, allowing a maximum discharge of 1,692 litres per second under the 100-year storm event to storm sewers located on Greenbank Road;

- **stormwater management facility (catchment area 22.58 hectares):** one (1) dry pond, (South Pond – Block 355), located south of the Greenbank Road and Cappamore Drive intersection, having a maximum available storage volume of approximately 17,200 cubic metres (during 1:100 year storm + minimum 0.3m freeboard to top of bank) and a maximum depth of 1.43 metres, complete with one (1) inlet structure, consisting of a 1,350 millimetre diameter storm sewer, and one (1) outlet structure, consisting of a 1,350 millimetre diameter storm outlet pipe equipped with a 450 millimetre diameter orifice at MH 158, allowing a maximum discharge of 657 litres per second under the 100-year storm event to storm sewers located on Greenbank Road; and

- **An Etobicoke Exfiltration System (catchment area 13.27 hectares):** one (1) exfiltration system to serve Quinn's Pointe Stage 2, located on Teelin Street, Robin Easey Avenue, Caltra Street, Dalkey Street, Ralph Erfle Way, Block 357, Cloyne Street, and Galmoy Street, having a total length of 1,840 metres, a maximum width of 1.975 metres and a minimum width of 1.15 meters, a total base area of 2,800 square metres, a maximum storage depth of 1 metre and a maximum available storage volume of 1212 cubic metres, comprised of a 1,000 millimetre deep clear stone layer, complete with 2 x 300 millimetre diameter perforated storm sub-drain installed in the clear stone layer, non-woven filter fabric installed around the clear stone layer with a minimum overlap of 600 millimetre, and an emergency overflow outlet discharging to the North Pond Block (Block 356);

including erosion/sedimentation control measures during construction and all other controls and appurtenances essential for the proper operation of the aforementioned Works;

all in accordance with the submitted application and supporting documents listed in Schedule "A" forming part of this approval.

For the purpose of this environmental compliance approval, the following definitions apply:

DEFINITIONS

1. "Approval" means this entire document and any schedules attached to it, and the application;

2. "Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of the EPA;

3. "District Manager" means the District Manager of the appropriate local District Office of the Ministry, where the Works are geographically located;

4. "EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19, as amended;

5. "Equivalent Equipment" means a substituted equipment or like-for-like equipment that meets the required quality and performance standards of the approved named equipment.

6. "Ministry" means the ministry of the government of Ontario responsible for the EPA and

OWRA and includes all officials, employees or other persons acting on its behalf;

7. "Owner" means Minto Communities Inc., and includes its successors and assignees;

8. "OWRA" means the *Ontario Water Resources Act, R.S.O. 1990, c. O.40* , as amended;

9. "Works" means the sewage Works described in the Owner's application, and this Approval.

You are hereby notified that this environmental compliance approval is issued to you subject to the terms and conditions outlined below:

TERMS AND CONDITIONS

1. GENERAL CONDITIONS

1. The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Works is notified of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

2. Except as otherwise provided by these Conditions, the Owner shall design, build, install, operate and maintain the Works in accordance with the description given in this Approval, and the application for approval of the Works.

3. Where there is a conflict between a provision of any document in the schedule referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence, and where there is a conflict between the documents in the schedule, the document bearing the most recent date shall prevail.

4. Where there is a conflict between the documents listed in Schedule "A" and the application, the application shall take precedence unless it is clear that the purpose of the document was to amend the application.

5. The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

2. EXPIRY OF APPROVAL

1. This Approval will cease to apply to those parts of the Works which have not been constructed within five (5) years of the date of this Approval.

2. In the event that completion and commissioning of any portion of the Works is anticipated to be delayed beyond the specified expiry period, the Owner shall submit an

application of extension to the expiry period, at least twelve (12) months prior to the end of the period. The application for extension shall include the reason(s) for the delay, whether there is any design change(s) and a review of whether the standards applicable at the time of Approval of the Works are still applicable at the time of request for extension, to ensure the ongoing protection of the environment.

3. CHANGE OF OWNER

1. The Owner shall notify the District Manager and the Director, in writing, of any of the following changes within thirty (30) days of the change occurring:

    a. change of Owner;

    b. change of address of the Owner;

    c. change of partners where the Owner is or at any time becomes a partnership, and a copy of the most recent declaration filed under the *Business Names Act,* R.S.O. 1990, c.B17 shall be included in the notification to the District Manager; or

    d. change of name of the corporation where the Owner is or at any time becomes a corporation, and a copy of the most current information filed under the *Corporations Information Act*, R.S.O. 1990, c. C39 shall be included in the notification to the District Manager.

2. In the event of any change in ownership of the Works, other than a change to a successor municipality, the Owner shall notify in writing the succeeding owner of the existence of this Approval, and a copy of such notice shall be forwarded to the District Manager and the Director.

3. The Owner shall ensure that all communications made pursuant to this condition refer to the number at the top of this Approval.

4. OPERATION AND MAINTENANCE

1. If applicable, any proposed storm sewers or other stormwater conveyance in this Approval can be constructed but not operated until the proposed stormwater management facilities in this Approval or any other Approval that are designed to service the storm sewers or other stormwater conveyance are in operation.

2. The Owner shall make all necessary investigations, take all necessary steps and obtain all necessary approvals so as to ensure that the physical structure, siting and operations of the Works do not constitute a safety or health hazard to the general public.

3. The Owner shall undertake an inspection of the condition of the Works, at least once a year, and undertake any necessary cleaning and maintenance to ensure that sediment, debris and excessive decaying vegetation are removed from the Works to prevent the

excessive build-up of sediment, oil/grit, debris and/or decaying vegetation, to avoid reduction of the capacity and/or permeability of the Works, as applicable. The Owner shall also regularly inspect and clean out the inlet to and outlet from the Works to ensure that these are not obstructed.

4. The Owner shall construct, operate and maintain the Works with the objective that the effluent from the Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam or discoloration on the receiving waters.

5. The Owner shall maintain a logbook to record the results of these inspections and any cleaning and maintenance operations undertaken, and shall keep the logbook at the Owner's administrative office for inspection by the Ministry. The logbook shall include the following:

    a. the name of the Works; and

    b. the date and results of each inspection, maintenance and cleaning, including an estimate of the quantity of any materials removed and method of clean-out of the Works.

6. The Owner shall prepare an operations manual prior to the commencement of operation of the Works that includes, but is not necessarily limited to, the following information:

    a. operating and maintenance procedures for routine operation of the Works;

    b. inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;

    c. repair and maintenance programs, including the frequency of repair and maintenance for the Works;

    d. contingency plans and procedures for dealing with potential spills and any other abnormal situations and for notifying the District Manager; and

    e. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.

7. The Owner shall maintain the operations manual current and retain a copy at the Owner's administrative office for the operational life of the Works. Upon request, the Owner shall make the manual available to Ministry staff.

5. TEMPORARY EROSION AND SEDIMENT CONTROL

1. The Owner shall install and maintain temporary sediment and erosion control measures during construction and conduct inspections once every two (2) weeks and after each significant storm event (a significant storm event is defined as a minimum of 25 mm of

rain in any 24 hours period). The inspections and maintenance of the temporary sediment and erosion control measures shall continue until they are no longer required and at which time they shall be removed and all disturbed areas reinstated properly.

2. The Owner shall maintain records of inspections and maintenance which shall be made available for inspection by the Ministry, upon request. The record shall include the name of the inspector, date of inspection, and the remedial measures, if any, undertaken to maintain the temporary sediment and erosion control measures.

6. REPORTING

1. One (1) week prior to the start-up of the operation of the Works, the Owner shall notify the District Manager (in writing) of the pending start-up date.

2. The Owner shall, upon request, make all reports, manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.

3. The Owner shall prepare a performance report within ninety (90) days following the end of the period being reported upon, and submit the report(s) to the District Manager when requested. The first such report shall cover the first annual period following the commencement of operation of the Works and subsequent reports shall be prepared to cover successive annual periods following thereafter. The reports shall contain, but shall not be limited to, the following information:

    a. a description of any operating problems encountered and corrective actions taken;

    b. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works, including an estimate of the quantity of any materials removed from the Works;

    c. a summary of any complaints received during the reporting period and any steps taken to address the complaints;

    d. a summary of all spill or abnormal discharge events; and

    e. any other information the District Manager requires from time to time.

7. RECORD KEEPING

1. The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the operation, maintenance and monitoring activities required by this Approval.

Schedule "A"

1. Application for Environmental Compliance Approval, dated April 9, 2019 received on May 15, 2019, submitted by Minto Communities Inc.;

2. Transfer of Review Letter of Recommendation, dated May 14, 2019 and signed by Jeff Shillington, P.Eng., Project Manager, Development Review, City of Ottawa;

    a. Final Plans and Specifications prepared by J.L. Richards & Associates Limited.

    b. Pipe Data Form - Watermain, Storm Sewer, Sanitary Sewer, and Forcemain Design Supplement to Application for Approval for Water and Sewage Works.

    c. Hydraulic Design Sheets prepared by J.L. Richards & Associates Limited.

    d. Stormwater Management Report prepared by J.L. Richards & Associates Limited.

    e. Design brief, calculations and specifications prepared by J.L. Richards & Associates Limited.

3. Emails dated May 29, 2019, May 30, 2019, May 31, 2019 and June 13, 2019 from Jeff Shillington, P.Eng., Project Manager, Development Review, City of Ottawa.

The reasons for the imposition of these terms and conditions are as follows:

Reasons:

1. Condition 1 is imposed to ensure that the Works are constructed and operated in the manner in which they were described and upon which approval was granted. This condition is also included to emphasize the precedence of conditions in the Approval and the practice that the Approval is based on the most current document, if several conflicting documents are submitted for review.

2. Condition 2 is included to ensure that, when the Works are constructed, the Works will meet the standards that apply at the time of construction to ensure the ongoing protection of the environment.

3. Condition 3 is included to ensure that the Ministry records are kept accurate and current with respect to the approved Works and to ensure that subsequent owners of the Works are made aware of the Approval and continue to operate the Works in compliance with it.

4. Condition 4 is included as regular inspection and necessary removal of sediment and excessive decaying vegetation from the Works are required to mitigate the impact of sediment, debris and/or decaying vegetation on the treatment capacity of the Works. The Condition also ensures that adequate storage is maintained in the Works at all times as required by the design. Furthermore, this Condition is included to ensure that the Works are operated and maintained to function as designed.

5. Condition 5 is included as installation, regular inspection and maintenance of the temporary sediment and erosion control measures is required to mitigate the impact on the downstream receiving watercourse during construction until they are no longer required.

6. Condition 6 is included to provide a performance record for future references, to ensure that the Ministry is made aware of problems as they arise, and to provide a compliance record for all the terms and conditions outlined in this Approval, so that the Ministry can work with the Owner in resolving any problems in a timely manner.

7. Condition 7 is included to require that all records are retained for a sufficient time period to adequately evaluate the long-term operation and maintenance of the Works.

In accordance with Section 139 of the Environmental Protection Act, you may by written Notice served upon me and the Environmental Review Tribunal within 15 days after receipt of this Notice, require a hearing by the Tribunal. Section 142 of the Environmental Protection Act provides that the Notice requiring the hearing shall state:

a. The portions of the environmental compliance approval or each term or condition in the environmental compliance

approval in respect of which the hearing is required, and;

b. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

The Notice should also include:

1. The name of the appellant;
2. The address of the appellant;
3. The environmental compliance approval number;
4. The date of the environmental compliance approval;
5. The name of the Director, and;
6. The municipality or municipalities within which the project is to be engaged in.

And the Notice should be signed and dated by the appellant.

This Notice must be served upon:

The Secretary*****
Environmental Review Tribunal
655 Bay Street, Suite 1500
Toronto, Ontario
M5G 1E5

AND

The Director appointed for the purposes of
Part II.1 of the Environmental Protection Act
Ministry of the Environment,
Conservation and Parks
135 St. Clair Avenue West, 1st Floor
Toronto, Ontario
M4V 1P5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 212-6349, Fax: (416) 326-5370 or www.ert.gov.on.ca**

The above noted activity is approved under s.20.3 of Part II.1 of the Environmental Protection Act.

DATED AT TORONTO this 19th day of June, 2019

Aziz Ahmed, P.Eng.
Director
appointed for the purposes of Part II.1 of the
Environmental Protection Act

RV/

c: District Manager, MECP Ottawa
Clerk, City of Ottawa (File No. D07-16-18-0016)
Jeff Shillington, P.Eng., Development Review, City of Ottawa
Karla Ferrey, J.L. Richards & Associates Limited

Appendix 2

CLI-ECA Number 008-S701

Ontario

ENVIRONMENTAL COMPLIANCE APPROVAL

For a Municipal Stormwater Management System

ECA Number: 008-S701
Issue Number: 2

Pursuant to the *Environmental Protection Act*, R.S.O 1990, c. E. 19 (EPA*),* and the regulations made thereunder and subject to the limitations thereof, this environmental compliance approval is issued under section 20.3 of Part II.1 of the EPA to:

Ottawa, City of

100 Constellation Dr
Ottawa, ON K2G 6J8

For the following Sewage Works:

City of Ottawa Municipal Stormwater Management System

This Environmental Compliance Approval (ECA) includes the following:

Schedule	Description
Schedule A	System Information
Schedule B	Municipal Stormwater Management System Description
Schedule C	List of Notices of Amendment to this ECA: Additional Approved Works
Schedule D	General
Schedule E	Operating Conditions
Schedule F	Residue Management
Appendix A	Stormwater Management Criteria

Except where specified otherwise, all prior ECAs, or portions thereof, issued by the Director for Sewage Works described in section 1 of Schedule B are revoked and replaced by this Approval.

DATED at TORONTO this 10th day of December, 2025

Signature

Aziz Ahmed, P.Eng.
Director, Part II.1, *Environmental Protection Act*

Schedule A: System Information

System Owner	**Ottawa, City of**
ECA Number	**008-S701**
System Name	**City of Ottawa Municipal Stormwater Management System**
ECA Issue Date	**December 10th, 2025**

1.0 ECA Information and Mandatory Review Date

ECA Issue Date	**December 10th, 2025**
Application for ECA Review Due Date	September 15, 2029

1.0 Pursuant to section 20.12 of the EPA, the Owner shall submit an application for review of the Approval no later than the Application for ECA Review Date indicated above.

2.0 Related Documents

2.0 Other Documents

Document Title	Version
Design Criteria for Sanitary Sewers, Storm Sewers, and Force mains for Alterations Authorized under Environmental Compliance Approval	v.2.0 (May 31, 2023)
Memo – SWM CLI ECA clause clarifications	Most current version
Technical Bulletin IWSTB-2024-04, Screening Criteria – Infiltration-type LIDs for Development, prepared by the City of Ottawa	Dated September 12, 2024

3.0 Stormwater Master Plan and Asset Management Plan

Document Title	Version
Asset Management Plan	v.1 (2017)."
Lower Rideau Watershed Strategy Executive Summary	v.1 (Sept. 2005)
Carp River Watershed/ Sub watershed Study Volume I - Main Report	v.1 (Dec. 2004)

4.0 Operating Authority

System	Operating Authority
City of Ottawa Municipal Stormwater Management System	City of Ottawa

Schedule B: Municipal Stormwater Management System Description

System Owner	**Ottawa, City of**
ECA Number	**008-S701**
System Name	**City of Ottawa Municipal Stormwater Management System**
ECA Issue Date	**December 10th, 2025**

1.0 System Description

1.0 The following is a summary description of the Sewage Works comprising the Municipal Stormwater Management System:

Overview

The City of Ottawa Municipal Stormwater Management (SWM) System is a separate system for stormwater (i.e., designed not to convey sanitary sewage, combined sewage) within the Ottawa River, Rideau River, Mississippi River and South Nation River watersheds. The Municipal SWM System consists of 3,150 km of storm sewers, 25 km of culverts, 3545 km of ditches, 274 Stormwater Management Facilities including 14 Stormwater Pumping Stations, and 267 outlets.

This ECA covers the entire Municipal SWM System described in the CLI ECA owned and operated by the City of Ottawa.

Sewage Collection System

1.1 The Authorized System comprises:

1.1.1 The Sewage Works described and depicted in each document or file identified in column 1 of Table B1.

Table B1: Infrastructure Map	
Column 1 Document or File Name	Column 2 Date
City of Ottawa Consolidated Linear ECA	Sept 28, 2021

1.1.2 Storm Sewers, Stormwater Management Facilities, stormwater pumping stations and Sewage Works associated with a Third Pipe Collection System that have been added, modified, replaced, or extended through authorization provided in a Schedule C Notice respecting this Approval, where Completion occurs on or after the

date identified in column 2 of Table B1 for each document or file identified in column 1.

1.1.3 Storm Sewers, Stormwater Management Facilities and Sewage Works associated with a Third Pipe Collection System that have been added, modified, replaced, or extended through authorization provided by Schedule D of this Approval, where Completion occurs on or after the date identified in column 2 of Table B1 for each document or file identified in column 1.

1.1.4 Any Sewage Works described in conditions 1.3 through 1.8 below.

Stormwater Collection System

1.2 Categorization of the Authorized System at the date of issue of this Approval is as follows:

Table B2. Stormwater Collection System by Diameter

System Type	Pipe Diameter (mm)	Length (km)	System Totals (km)
Storm Sewers	Unknown	39	--
Storm Sewers	Up to 250	63.5	--
Storm Sewers	> 250 - 500	1518	--
Storm Sewers	> 500 - 1050	1000.5	--
Storm Sewers	> 1050	529	--
Total Storm Sewers	--	--	3,150
Ditches / Swales	NA	--	3,545
Total System Length (km)	--	--	6,695

Table B3. Summary of Stormwater Management Facilities by Type and Pumping Stations

Facility Type	Basic Treatment for Suspended Solids*	Normal Treatment for Suspended Solids *	Enhanced Treatment for Suspended Solids *	Other Treatment Level for Suspended Solids**	Concentration-Based TSS Treatment Level	Unknown Treatment Level	Total Quality Control	Total Quantity Control	Total Number of Facilities
LID Facilities - Retention (infiltration, evapotranspiration, harvest)	N/A	N/A	3	1	2	4	10	8	10
LID Facilities - Filtration	N/A	N/A	5	N/A	N/A	4	5	9	9
Stormwater Management Ponds – Wet (includes wetlands, hybrids)	4	18	24	3	4	28	81	95	95

Stormwater Management Ponds - Dry	N/A			N/A	N/A	1	5	89	89
Super Pipe / Storage Facility	N/A	N/A	1	N/A	N/A	N/A	1	6	6
Filtration MTD - Filter Unit	N/A	N/A	N/A	N/A	N/A	N/A	N/A		N/A
Sedimentation MTD - OGS	3	7	36	4	1	8	58		58
Pumping Stations									14
Other	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Total Number of Facilities	7	25	68	8	7	45	160	207	281

* Basic, normal, and enhanced treatment correspond to 60%, 70% and 80% suspended solids removal on an annual average long-term basis, respectively.

** Treatment levels below 60% suspended solids removal on an annual average long-term basis.

Table B4. Third Pipe Collection System				
Description	Pipe Diameter (mm)	Length (km)	Quantity	System Totals
Third Pipe Sewer	Up to 250	--	N/A	--
Third Pipe Sewer	> 250 - 500	--	N/A	--
Third Pipe Sewer	> 500	--	N/A	--
Total				Km
Other Infrastructure Components (e.g., storage tank)	N/A	N/A	--	--

Table B5. Sewage Works on Private Land that are part of the Municipal Stormwater Treatment Train*			
Description	Location	ECA # (if applicable)	
N/A			

* Identifies privately owned Sewage Works that are not part of the Authorized System, but are part of a Stormwater Treatment Train

Stormwater Management Facilities

1.3 The Stormwater Management Facilities listed in Appendix B are part of the Authorized System:

Stormwater Pumping Stations

1.4 The Stormwater pumping stations listed in Appendix B are part of the Authorized System:

Third Pipe Collection System

1.5 The following are identified third pipe systems in the Authorized System.

N/A

Asset ID and Name	N/A
Location	
Watershed/Sub watershed	
Receiver of discharge	
Outlet location	
Catchment Area	
Treatment, if applicable	
Reference ECA(s), if applicable	
Brief Description	
Notes	

Other Works:

1.6 The following works are part of Authorized System:

Table B6: Other Works			
Column 1 Asset ID / Name	Column 2 Site Location (Latitude & Longitude)	Column 3 Component	Column 4 Description
N/A			

Developer-Operated Facilities:

1.7 The following facilities are part of the Authorized System, have been constructed, and are being operated by the developer under the authority of an agreement entered into with the Owner of the system.

Table B7: Developer-Operated Facilities			
Asset ID	Type of Facility	Location	Developers Name
SWF-1153	OGS	Southeast corner of Lett St. (at bend in road) 45.4151, -75.712	Claridge Homes
SWF-1164	Wet Pond	2000 Iris Street 45.35294, -75.76201	Peter Kiewit Sons ULC & Eurovia Quebec Grands Projects Inc. operating as Kiewit/ Eurovia/ Vinci Ottawa
SWF-1239	OGS	Beside 701 Meadowridge Circle 45.3436, -76.025200	D & H Rivington Enterprises Inc.
SWF-1252	Wet Pond	West of Carp River, north of future Campeau Dr., west of Huntmar.	Minto Communities

Table B7: Developer-Operated Facilities			
Asset ID	Type of Facility	Location	Developers Name
		45.3060, -75.933500	
SWF-1254	Wet Pond	North of HWY-417, west of Huntmar. 45.29143, -75.94446	West Ottawa Land Holdings inc.
SWF-1256	Wet Pond	North-east of Campeau Dr and Donum Ln intersection 45.30512, -75.926270	Minto Communities
SWF-1258	Dry Pond	West of Marchurst Rd and Synergy Wy intersection 45.372513, -76.004299	1384341 Ontario Ltd
SWF-1260	OGS	229 Ketchikan Crescent 45.32443, -75.944260	Richardson Ridge Inc.
SWF-1261	Wet Pond	Campeau Dr. at Carp River. West of Roger Neilson Wy. 45.3025, -75.922300	Taggart Commercial Developments Ltd.
SWF-1268	Dry Pond	Behind 143 Chandelle Private 45.31816, -76.03472	1514947 Ontario Inc.
SWF-1269	OGS	Behind 143 Chandelle Private 45.31702, -76.03461	1514947 Ontario Inc.
SWF-1270	Dry Pond	Hawker Private and Fleet Canuk Private 45.3170, -75.036415	1514947 Ontario Inc.
SWF-1271	OGS	Hawker Private and Fleet Canuk Private 45.3168, -76.038125	1514947 Ontario Inc.
SWF-1272	OGS	On Gouldbourn Forced Road 330 m North of Keyrock Drive	KNL Developments
SWF-1276	Wet Pond	54 Buckbean Avenue 45.36469 -75.94722	CU Developments
SWF-1280	OGS	Northeast of Goulbourn Forced Rd and Walden Rd intersection 45.33172, -75.93174	KNL Developments
SWF-1281	OGS	Behind 305 Walden Drive 45.33293, -75.92213	KNL Developments
SWF-1282	OGS	Southeast of Loggerhead Hts and Hitzlay Ter intersection 45.32151, -75.94757	KNL Developments
SWF-1283	Wet Pond	1345 March Valley Road 45.37126, -75.93195	Minto Communities
SWF-1284	OGS	In front of 1155 Kitigan Grove 45.33555, -75.91890	KNL Developments

Table B7: Developer-Operated Facilities			
Asset ID	Type of Facility	Location	Developers Name
SWF-1285	Dry Pond	Behind 168 Bliss Crescent 45.28713, -75.89720	KNL Developments
SWF-1353	Wet Pond	South side of creek at Terry Fox. Behind Walmart. 45.2768, -75.876000	2129786 Ontario Limited
SWF-1356	Wet Pond	Southeast of Winchester Rd and Terry Fox Dr intersection 45.28708, -75.894060	Mattamy Limited
SWF-1360	Wet Pond	Behind 168 Bliss Crescent 45.28713, -75.89720	Richcraft Homes
SWF-1361	Wet Pond	Richmond Village, near Queen Charlote at Hamilton 45.187, -75.842870	Richmond Development Corporation
SWF-1363	Wet Pond	5957 Fernbank 45.25724 -75.89981	1384341 Ontario Limited
SWF-1364	Wet Pond	Southwest of Terry Fox Dr and Hazeldean Rd intersection 45.28873, -75.895890	CRT Development
SWF-1370	Dry Pond	Southwest corner Robert Grant Ave and Abbott St E 45.273198, -75.895449	Fernbank Landowners Group Ltd.
SWF-1373	Wet Pond	5993 Flewelyn Road 45.247875, -75.895700	Davidson Shea Properties Inc.
SWF-1376	Dry Pond	100 Westar Farm Way 45.186384, -76.011596	Ottawa Development Inc.
SWF-1381	Dry Pond	Kirkham Crescent 45.20531, -75.83124	1470424 Ontario Inc
SWF-1382	OGS	Kirkham Crescent 45.20531, -75.83124	1470424 Ontario Inc
SWF-1383	OGS	Kirkham Crescent 45.20531, -75.83124	1470424 Ontario Inc
SWF-1384	Infiltration	Behind 130 Succession Court 45.28032, -75.91457	Campandale Homes
SWF-1388	Wet Pond	Behind 120 Unity Place 45.28719, -75.93937	2325483 Ontario Ltd.
SWF-1423	Wet Pond	Northeast of Nokomis Pl and Apolune St intersection 45.25104, -75.753480	Mattamy (Half Moon Bay) Limited
SWF-1439	Wet Pond	West of Cedarview, south of Onassa Circle, north of Cedarhill Dr. 45.29351, -75.790600	1110817 Ontario Limited
SWF-1444	OGS	Northwest of Citigate Dr / CrossKeys Pl traffic circle 45.27037, -75.787500	Strandherd Road Inc

Table B7: Developer-Operated Facilities			
Asset ID	Type of Facility	Location	Developers Name
SWF-1445	OGS	Southeast of Citigate Dr / CrossKeys Pl Traffic Circle 45.26966, -75.787030	Strandherd Road Inc
SWF-1446	OGS	Maravista Dr - Systemhouse Street 45.2682, -75.782100	Strandherd Road Inc
SWF-1447	OGS	Philsar St and Kennevale Dr 45.26212, -75.778890	Strandherd Road Inc
SWF-1449	Wet Pond	Northwest of Dealership Dr and Philsar St intersection 45.2636, -75.780800	Strndherd Road Inc
SWF-1460	Wet Pond	4401 Fallowfield Road 45.27244, -75.791171	2116885 Ontario Inc
SWF-1461	Dry Pond	4000 Barnsdale Road 45.23124 -75.73827	Minto Communities
SWF-1462	Dry Pond	North of Greenbank Road and Cappamore Dr intersection	Minto Communities
SWF-1463	Dry Pond	South of Greenbank Road and Cappamore Dr intersection	Minto Communities
SWF-1464	OGS	Northwest of Greenbank Road and Cappamore Dr intersection	Minto Communities
SWF-1465	Dry Pond	Adjacent to Aura Avenue	Minto Communities
SWF-1466	Dry Pond	Borrisokane Rd / Cambrian Rd	Cavian Greenbank Development Corporation
SWF-1467	OGS	~33m west of Expansion Rd	Cavian Greenbank Development Corporation
SWF-1468	OGS	~33m west of Expansion Rd	Cavian Greenbank Development Corporation
SWF-1469	Wet Pond	Entrance beside 675 Fenwick Way 45.24582, -75.71744	Mattamy (Monarch) Limited
SWF-1470	OGS	Beside 2583 Waterlilly Way 45.26566, -75.75309	Mattamy (Strandherd) Limited
SWF-1471	OGS	Behind 613 Hamsa Street 45.26492, -75.75216	Minto Communities
SWF-1472	OGS	669 Hamsa Street 45.26325, -75.75062	Minto Communities
SWF-1473	OGS	Darjeeling Ave. and bois Damson Gardens Grove 45.26122, -75.74777	Claridge Homes (South Nepean) Inc
SWF-1476	OGS	Behind 3380 Greenbank Road 45.26010, -75.74143	Claridge Homes (South Nepean) Inc
SWF-1477	OGS	Beside 102 Stanhope Court	Uniform Urban Developments Ltd

Table B7: Developer-Operated Facilities			
Asset ID	Type of Facility	Location	Developers Name
		45.24952, -75.71870	
SWF-1478	OGS	Beside 45 Aura Avenue 45.26032, -75.76067	Minto Communities
SWF-1479	OGS	Beside 220 Turnbuckle Crescent 45.25123, -75.76010	Glenview Homes
SWF-1480	OGS	Beside 33 Tolchaco Court 45.25218 -75.75996	Glenview Homes
SWF-1481	OGS	Beside 1038 Canoe Street 45.25772 -75.75501	Barrhaven Conservancy Development Corporation
SWF-1482	OGS	Beside 1482 Les Emmerson Drive 45.25965 -75.75778	Barrhaven Conservancy Development Corporation
SWF-1483	OGS	Beside 107 Ainsworth Crescent 45.25597 -75.75705	Barrhaven Conservancy Development Corporation
SWF-1484	OGS	Beside 55 meander Way 45.25690 -75.75690	Barrhaven Conservancy Development Corporation
SWF-1485	OGS	Beside 91 Gallium Way 45.25488 -75.75973	Barrhaven Conservancy Development Corporation
SWF-1510	Wet Pond	98 Ascari Road 45.219468, -75.679386	Minto Communities
SWF-1512	Dry Pond	Beside 11 Ralph Jago Way 45.13637, -75.70281	John David Williams
SWF-1649	LID	195 Avro Circle 45.44829, -75.63783	Canada Lands Company
SWF-1650	Wet Pond	Northern boundary of Thorncliffe Village, west of Wanaki Rd 45.450116, -75.629318	Canada Lands Company
SWF-1651	Wet Pond	South side of Sir Charles Eienne Cartier Parkway, east of Aviation Parkway, West of Blair Rd 45.458478, -75.636126	Canada lands Copmany
SWF-1653	Dry Pond	South of Mikinak Road	Canada Lands Company
SWF-1656	OGS	Inlet to SWF-1650 at Burma Road 45.44949, -75.625920	Canada Lands Company
SWF-1657	OGS	End of Provender Avenue 45.44956, -75.62794	Canada Lands Company
SWF-1658	OGS	End of Rothbury Crescent 45.44977, -75.62872	Canada Lands Company
SWF-1659	LID	Mikinak Road 45.45154, -75.63514	Canada Lands Company
SWF-1702	Wet Pond	Across from 4060 Kelly Farm Dr., off Findlay Creek Dr., west of	Barrett Co-Tenancey

Table B7: Developer-Operated Facilities			
Asset ID	Type of Facility	Location	Developers Name
		Bank St. 45.31788, -75.610720	
SWF-1709	Wet Pond	760 River Road 45.259497, -75.702790	Riverside South Development Corp.
SWF-1713	Dry Pond	Northeast corner of circular gravel road at 5123 Hawthorne Rd at Orgaworld, south of Rideau Rd. 45.3074, -75.546950	Tomlinson Development Corporation.
SWF-1717	Dry Pond	263&265 Mount Nebo Way 45.27452, -75.67789	Urbandale Corporation
SWF-1801	Dry Pond	Access between 3566 and 3572 Crosswinds Cres. 45.13387, -75.598530	Nicolino Rocco Ricciuto
SWF-1803	Wet Pond	Magic Morning Way off Evening Shadow Rd off Bank St north of Sale Barn Rd in Greely (6192 Bank St) 45.25684, -75.544830	2218611 Ontario Limited
SWF-1810	Dry Pond	Northwest side of Red Castle Ridge off Knights Dr. off Dozois Rd. south of Mitch Owens. 45.2446, -75.626803	Rideau Forest Development Ltd
SWF-1811	Dry Pond	Northeast side of Red Castle Ridge off Knights Dr. off Dozois Rd. south of Mitch Owens. 45.2419, -75.620394	Rideau Forest Development Ltd
SWF-1814	Wet Pond	Behind 6539 Waterdown St. 45.24117, -75.567704	Donwel land Inc
SWF-1815	Wet Pond	1175 Manotick Station Road 45.24843, -75.613594	Airport Golfland Limited
SWF-1820	Wet Pond	Andrew Simpson Drive and Ginger Crescent 45.24057, -75.47909	P.B. Holdings Inc
SWF-1821	Dry Pond	Beside 5800 Red Castle Ridge 45.23959, -75.63431	Rideau Forest Developments
SWF-1822	Dry Pond	Beside 1274 Jester Court 45.23718, -75.63980	Rideau Forest Developments
SWF-1823	Dry Pond	3205 Vidame Road 45.24468, -75.62801	Rideau Forest Developments
SWF-1929	Wet Pond	South of Navan Road (3268, 3630, 3650, and 3652 Navan Rd)	Ashcroft Homes
SWF-1931	Wet Pond	East of 10th Line at south end of Frank Cauley Way 45.44176, -75.472090	Minto Developments
SWF-1949	Wet Pond	North of Hydro Right-of-Way. East of Highway 174, South of	Tamarack (Cardinal Creek) Corporation

Table B7: Developer-Operated Facilities			
Asset ID	Type of Facility	Location	Developers Name
		Ted Kelly Ln, West of Old Montreal Rd. 45.5089, -75.465900	
SWF-1959	Dry Pond	40 Horned Lark Court 45.41579, -75.439792	3223701 Canada Inc
SWF-1961	HG-10	Across from 685 Baie-Des-Castors 45.5008, -75.468772	Tamarack (Cardinal Creek) Corporation

1.8 The Owner shall notify the Director, using the Director Notification Form, within thirty (30) days where the operation of any Facility identified in Table B7 has been:

1.8.1 Incorporated into the overall Stormwater Management System and assumed by an Operating Authority identified in Schedule B of this Approval.

1.8.2 Has been transferred from the developer identified in Table B7 to another party.

Transitional – Facilities with Individual ECAs

1.9 The following Facilities are connected to the Authorized System, but ownership has not been assumed by the Owner. These Sewage Works are not part of the Authorized System and will continue to have separate ECAs until the Facilities are assumed by the Owner.

Table B8: Facilities with Individual ECAs				
Asset ID	Type of Facility	Location	ECA Number	Developer Name
N/A				

1.10 The Owner shall notify the Director, using the Director Notification Form, within thirty (30) days where the ownership of any Facility identified in Table B8 has been assumed by the Owner.

1.11 The Director Notification required in condition 1.11 shall include:

1.11.1 A request from the developer to revoke the ECA identified in Table B8; or

1.11.2 A copy of an agreement or other documentation that demonstrates that the municipality has assumed ownership of the Facility and that the ECA identified in Table B8 should be revoked.

Schedule C: List of Notices of Amendment to this ECA: Additional Approved Sewage Works

System Owner	**Ottawa, City of**
ECA Number	**008-S701**
System Name	**City of Ottawa Municipal Stormwater Management System**
ECA Issue Date	**December 10th, 2025**

1.0 General

1.0 Table C1 provides a list of all notices of amendment to this Approval that have been issued pursuant to clause 20.3(1) of the EPA that impose terms and conditions in respect of the Authorized System after consideration of an application by the Director (Schedule C Notices).

Table C1: Schedule C Notices

Column 1 Issue #	Column 2 Issue Date	Column 3 Description	Column 4 Status	Column 5 DN#
N/A	N/A	N/A	N/A	N/A

Schedule D: General

System Owner	**Ottawa, City of**
ECA Number	**008-S701**
System Name	**City of Ottawa Municipal Stormwater Management System**
ECA Issue Date	**December 10th, 2025**

1.0 Definitions

1.0 For the purpose of this Approval, the following definitions apply:

"Adverse Effect(s)" has the same meaning as defined in section 1 of the EPA.

"Alteration(s)" includes the following, in respect of the Authorized System, but does not include repairs to the system:

a) An extension of the system,

b) A replacement or retirement of part of the system, or

c) A modification of, addition to, or enlargement of the system.

"Appendix A" means Appendix A of this Approval.

"Approval" means this Environmental Compliance Approval including any Schedules attached to it.

"Appurtenance(s)" has the same meaning as defined in O. Reg. 525/98 (Approval Exemptions) made under the OWRA.

"Authorized System" means the Sewage Works comprising the Municipal Stormwater Management System authorized under this Approval".

"Class Environmental Assessment Project" means an Undertaking that does not require any further approval under the EAA if the proponent complies with the process set out in the Municipal Engineers Association Class Environmental Assessment document, (Municipal Class Environmental Assessment approved by the Lieutenant Governor in Council on October 4, 2000 under Order in Council 1923/2000), as amended from time to time.

"Combined Sewer(s)" means pipes that collect and transmit both sanitary Sewage and other Sewage from residential, commercial, institutional, and

industrial buildings and facilities and Stormwater through a single-pipe system, but does not include Nominally Separate Sewers.

“Completion” means substantial performance as described in s.2 (1) of the *Construction Act*, R.S.O. 1990, c. C.30.

“Compound of Concern” means a Contaminant that is discharged from the Facility in an amount that is not negligible.

“Contaminant” has the same meaning as defined in section 1 of the EPA.

“CSO” means a combined sewer overflow which is a discharge to the environment at designated location(s) from a Combined Sewer or Partially Separated Sewer that usually occurs as a result of precipitation when the capacity of the Sewer is exceeded. An intervening time of twelve hours or greater separating a CSO from the last prior CSO at the same location is considered to separate one overflow Event from another.

"CWA" means the *Clean Water Act*, R.S.O. 2006, c.22.

“Design Criteria” means the design criteria set out in the Ministry’s publication “Design Criteria for Sanitary Sewers, Storm Sewers and Force mains for Alterations Authorized under Environmental Compliance Approval”, (as amended from time to time).

“Design Guidelines for Sewage Works” means the Ministry document titled “Design Guidelines for Sewage Works”, 2008 (as amended from time to time).

"Director" means a person appointed by the Minister pursuant to section 5 of the EPA for the purposes of Part II.1 of EPA (Environmental Compliance Approvals).

“Director Notification Form” means the most recent version of the Ministry form titled Director Notification – Alterations to a Municipal Stormwater Management System, as obtained directly from the Ministry or from the Ministry’s website.

"District Manager" means the district manager or a designated representative of the Local Ministry Office.

"EAA" means the *Environmental Assessment Act*, R.S.O. 1990, c. E.18.

"EPA" means the *Environmental Protection Act*, R.S.O. 1990, c.E.19.

“ESC” means erosion and sediment control.

“Facility” means the entire operation located on the property where the Sewage Works or equipment is located.

“Form SW1” means the most recent version of the Ministry form titled Record of Future Alteration Authorized for Storm Sewers/Ditches/Culverts as obtained directly from the Ministry or from the Ministry’s website.

“Form SW2” means the most recent version of the Ministry form titled Record of Future Alteration Authorized for Stormwater Management Facilities as obtained directly from the Ministry or from the Ministry’s website.

“Form SW3” means the most recent version of the Ministry form titled Record of Future Alteration Authorized for Third Pipe Collection Systems as obtained directly from the Ministry or from the Ministry’s website.

"Licensed Engineering Practitioner” means a person who holds a licence, limited licence, or temporary licence under the *Ontario Professional Engineers Act* R.S.O. 1990, c. P.28.

"LID" means “low impact development” a Stormwater management strategy that seeks to mitigate the impacts of increased runoff and Stormwater pollution by managing runoff as close to its source as possible. LID comprises a set of site design strategies that minimize runoff and distributed, small scale structural practices that mimic natural or predevelopment hydrology through the processes of infiltration, evapotranspiration, harvesting, filtration, and detention of Stormwater.

“Local Ministry Office” means the local office of the Ministry responsible for the geographic area where the Authorized System is located.

"Minister" means the Minister of the Ministry or such other member of the Executive Council as may be assigned the administration of the EPA and OWRA under the *Executive Council Act*, R.S.O. 1990, c. E.25.

"Ministry" means the Ministry of the Minister and includes all employees or other persons acting on its behalf.

“Monitoring Plan” means the monitoring plan prepared and maintained by the Owner under condition 4.1 in Schedule E of this Approval.

“MTD” means manufactured treatment device.

“Municipal Drain” has the same meaning as drainage works as defined in section 1 of the *Drainage Act* R.S.O. 1990, c. D.17.

“Municipal Drainage Engineer’s Report” means a report signed by a drainage engineer employed or contracted by a municipality and approved in writing by municipal council or equivalent.

“Municipal Sewage Collection System” means all Sewage Works, located in the geographical area of a municipality, that collect and transmit sanitary Sewage and are owned, or may be owned pursuant to an agreement with a municipality entered into under the *Planning Act* or *Development Charges Act*, 1997, by:

a) A municipality, a municipal service board established under the *Municipal Act*, 2001 or a city board established under the *City of Toronto Act*, 2006; or

b) A corporation established under sections 9, 10, and 11 of the *Municipal Act*, 2001 in accordance with section 203 of that Act or under sections 7 and 8 of the *City of Toronto Act*, 2006 in accordance with sections 148 and 154 of that Act.

“**Municipal Stormwater Management System”** means all Sewage Works, located in the geographical area of a municipality, that collect, transmit, or treat Stormwater and are owned, or may be owned pursuant to an agreement entered into under the *Planning Act* or *Development Charges Act*, 1997, by:

a) A municipality, a municipal service board established under the *Municipal Act*, 2001 or a city board established under the *City of Toronto Act*, 2006; or

b) A corporation established under sections 9, 10, and 11 of the *Municipal Act*, 2001 in accordance with section 203 of that Act or under sections 7 and 8 of the *City of Toronto Act*, 2006 in accordance with sections 148 and 154 of that Act.

“Natural Environment” has the same meaning as defined in section 1 of the EPA.

"Nominally Separate Sewer(s)" mean Separate Sewers that also have connections from roof leaders and foundation drains, and are not considered to be Combined Sewers.

“OGS” means Oil and Grit Separator(s).

“Operating Authority” means, in respect of the Authorized System, the person, entity, or assignee that is given responsibility by the Owner for the operation, management, maintenance, or Alteration of the Authorized System, or a portion of the Authorized System.

"Owner" for the purposes of this Approval means the City of Ottawa, and includes its successors and assigns.

"OWRA" means the *Ontario Water Resources Act*, R.S.O. 1990, c. O.40.

“O&M Manual” means the operation and maintenance manual prepared and maintained by the Owner under condition 3.2 in Schedule E of this Approval.

"Partially Separated Sewer(s)" means Combined Sewers that have been retrofitted to transmit sanitary Sewage but in which roof leaders or foundation drains still contribute Stormwater inflow to the Partially Separated Sewer.

“Pre-development” means the more stringent of a site’s:

a) Existing condition prior to proposed development or construction activities; or

b) Condition as defined by the local municipality.

"Prescribed Person” means a person prescribed in O. Reg. 208/19 (Environmental Compliance Approval in Respect of Sewage Works) for the purpose of ss. 20.6 (1) of the EPA, and where the alteration, extension, enlargement, or replacement is carried out under an agreement with the Owner.

“**Privately Owned Stormwater Works”** means Stormwater Sewage Works on private land that are privately owned and, while not part of the Authorized System, are considered part of a Stormwater Treatment Train.

“Pumping Station Capacity” means the design Peak Hourly Flow of Sewage which the Sewage pumping station is designed to handle.

“Qualified Person (QP)” means persons who have obtained the relevant education and training and have demonstrated experience and expertise in the areas relating to the work required to be carried out by this Approval.

“Schedule C Notice(s)” means notice(s) of amendment to this Approval issued pursuant to clause 20.3(1) of the EPA that imposes terms and conditions in respect of the Authorized System after consideration of an application by the Director.

“Separate Sewer(s)” means pipes that collect and transmit sanitary Sewage and other Sewage from residential, commercial, institutional, and industrial buildings.

“Sewage” has the same meaning as defined in section 1 of the OWRA.

“Sewage Works” has the same meaning as defined in section 1 of the OWRA.

“Sewer” has the same meaning as defined in section 1 of O. Reg. 525/98 under the OWRA.

"Significant Drinking Water Threat" has the same meaning as defined in section 2 of the CWA.

“Significant Snowmelt Event(s)” means the melting of snow at a rate which adversely affects the performance and function of the Authorized System and/or the Sewage Treatment Plant(s) identified in Schedule A of this Approval.

“Significant Storm Event(s)” means a minimum of 25 mm of rain in any 24 hours period.

“Source Protection Authority” has the same meaning as defined in section 2 of the CWA.

"Source Protection Plan" means a drinking water source protection plan prepared under the CWA.

“Spill(s)” has the same meaning as defined in subsection 91(1) of the EPA.

“SSO” means a sanitary sewer overflow which is a discharge of Sewage from a Separate Sewer or Nominally Separate Sewer to the environment from designated location(s) in the Authorized System.

“Standard Operating Policy for Sewage Works” means the standard operating policy developed by the Ministry to assist in the implementation of Source Protection Plan policies related to Sewage Works and providing minimum design and operational standards and considerations to mitigate risks to sources of drinking water, as amended from time to time.

“Storm Sewer” means Sewers that collect and transmit, but not exfiltrate or lose by design, Stormwater resulting from precipitation and snowmelt.

“Stormwater” means rainwater runoff, water runoff from roofs, snowmelt, and surface runoff.

“Stormwater Management Facility(ies)” means a Facility for the treatment, retention, infiltration, or control of Stormwater.

“Stormwater Management Planning and Design Manual” means the Ministry document titled “Stormwater Management Planning and Design Manual”, 2003 (as amended from time to time).

“Stormwater Treatment Train” means a series of Stormwater Management Facilities designed to meet Stormwater management objectives (e.g., Appendix A) for a given area, and can consist of a combination of MTDs, LIDs and end-of-pipe controls.

“TRCA” means the Toronto Region Conservation Authority.

“Third Pipe Collection System” means Sewage Works designed to collect and transmit foundation drainage and/or groundwater to a receiving surface water or dry well;

“Uncommitted Reserve Hydraulic Capacity” means uncommitted reserve capacity as described in the Ministry document titled “D-5-1 Calculating and Reporting Uncommitted Reserve Capacity at Sewage and Water Treatment Plants” (as amended from time to time).

"Undertaking" has the same meaning as in the EAA.

“Vulnerable Area(s)” has the same meaning as in the CWA.

2.0 General Conditions

2.1 The works comprising the Authorized System shall be constructed, installed, used, operated, maintained, replaced, or retired in accordance with the conditions of this Approval, which includes the following Schedules:

Schedule A – System Information

Schedule B – Municipal Stormwater Management System Description

Schedule C – List of Notices of Amendment to this ECA

Schedule D – General

Schedule E – Operating Conditions

Schedule F – Residue Management

Appendix A – Stormwater Management Criteria

2.2 The issuance of this Approval does not negate the requirements of other regulatory bodies, which includes but is not limited to, the Ministry of Northern Development, Mines, Natural Resources and Forestry and the local Conservation Authority.

2.3 Where there is a conflict between a provision of any document referred to in this Approval and the conditions of this Approval, the conditions in this Approval shall take precedence. Where there is a conflict between the information in a Schedule C Notice and another section of this Approval, the document bearing the most recent date shall prevail.

2.4 The Owner shall ensure that any person authorized to carry out work on or operate any aspect of the Authorized System is provided with a print or electronic copy of this Approval and the conditions herein and shall take all reasonable measures to ensure any such person complies with the same.

2.5 The conditions of this Approval are severable. If any condition of this Approval, or the application of any requirement of this Approval to any circumstance, is held invalid or unenforceable, the application of such condition to other circumstances and the remainder of this Approval shall not be affected thereby.

3.0 Alterations to the Municipal Stormwater Management System

3.1 For greater certainty, the Alterations authorized under this Approval are limited to Sewage Works comprising the Authorized System which does not include municipally or Privately Owned Stormwater Works:

3.1.1 On industrial, commercial, or institutional land;

3.1.2 Serving a single parcel of land, unless the stormwater management facility is located on a municipally owned park or community center;

3.1.3 That are operated as waste disposal sites defined under the EPA or snow dump / melt facilities; or,

3.1.4 That propose to collect, store, treat, or discharge stormwater containing substances or pollutants (other than Total Suspended Solids, or oil and grease) detrimental to the environment or human health.

3.2 Any Schedule C Notice shall provide authority to alter the Authorized System in accordance with the conditions of this Approval.

3.3 All Schedule C Notices issued by the Director for the Municipal Stormwater Management System shall form part of this Approval.

3.4 The Owner and a Prescribed Person shall ensure that the documentation required through conditions in this Approval and the documentation required in the Design Criteria are prepared for any Alteration of the Authorized System.

3.5 The Owner shall notify the Director within thirty (30) calendar days of placing into service or Completion of any Alteration of the Authorized System which had been authorized:

3.5.1 Under Schedule D to this Approval where the Alteration results in a change to Sewage Works specifically described in Schedule B of this Approval;

3.5.2 Through a Schedule C Notice respecting Sewage Works other than Storm Sewers; or

3.5.3 Through another approval that was issued under the EPA prior to the issue date of this Approval.

3.6 The notification requirements set out in condition 3.5 do not apply to any Alteration in respect of the Authorized System which:

3.6.1 Is exempt under section 53(6) of the OWRA or by O. Reg. 525/98;

3.6.2 Constitutes maintenance or repair of the Authorized System; or

3.6.3 Is a Storm Sewer, ditch, or culvert authorized by condition 4.1 of Schedule D of this Approval.

3.7 The Owner shall notify the Director within ninety (90) calendar days of:

3.7.1 The discovery of existing Sewage Works not described or depicted in Schedule B, or

3.7.2 Additional or revised information becoming available for any Sewage Works described in Schedule B of this Approval.

3.8 The notifications required in condition 3.5 and 3.7 shall be submitted to the Director using the Director Notification Form.

3.9 The Owner shall ensure that any chemicals, coagulants, or polymers used in the Authorized System have obtained written approval from the Director prior to use, unless required for spill control or spill clean-up.

3.10 The Owner shall ensure that an ESC plan is prepared, and temporary ESC measures are installed in advance of and maintained during any construction activity on the Authorized System, subject to the following conditions:

3.10.1 Inspections of ESC measures are to be conducted at a frequency specified per the ESC plan, for dry weather periods (active and inactive construction phases), after Significant Storm Events and Significant Snowmelt Events, and after any extreme weather events.

3.10.2 Any deficiencies shall be addressed, and any required maintenance actions(s) shall be undertaken as soon as practicable once they have been identified.

3.10.3 Inspections and maintenance of the temporary ESC measures shall continue until they are no longer required.

3.11 The Owner shall ensure that records of inspections required by this Approval during any construction activity, including those required under condition 3.10:

3.11.1 Include the name of the inspector, date of inspection, visual observations, and the remedial measures, if any, undertaken to maintain the temporary ESC measures.

3.11.2 Be retained with records relating to the Alteration that the construction relates to, such as the form required in conditions 4.4.1, 5.5.1, and 6.2.1 of Schedule D, or the Schedule C Notice.

3.11.3 Be retrievable and made available to the Ministry upon request.

3.12 The document(s) or file(s) referenced in Table B1 of Schedule B of this Approval shall:

3.12.1 Be retained by the Owner;

3.12.2 Include at a minimum:

a) Identification of Storm Sewers, which shall include the following information:

i Location relative to street names or easements; and

ii Sewer diameters.

b) Identification of existing municipally owned Stormwater Sewage Works, including but not limited to ditches, swales, culverts, outlets, Stormwater Management Facilities, sedimentation MTD (for example oil grit separators), filtration MTD, LID, end of pipe controls, Third Pipe Collection Systems, and pumping stations, including any applicable Asset IDs.

c) Identification of the main tributaries and receiving water bodies that the Sewage Works discharge to.

d) Delineation of municipal, watershed, and sub watershed boundaries, as available.

e) Identification of the storm sewer sheds for each outlet.

f) Identification of any source protection Vulnerable Areas.

g) Identification of any Sewage Works that receive SSOs or CSOs.

3.12.3 Be updated to include:

a) Alterations authorized under Schedule D of this Approval or through a Schedule C Notice within twelve (12) months of the Alteration being placed into service.

b) Updates to information contained in the document(s) or files(s) not associated with an Alteration within twelve (12) months of becoming aware of the updated information.

3.13 An Alteration is not authorized under Schedule D of this Approval for projects that impact Indigenous treaty rights or asserted rights where:

3.13.1 The project is on Crown land or would alter access to Crown land;

3.13.2 The project is in an open or forested area where hunting, trapping or plant gathering occur;

3.13.3 The project involves the clearing of forested land unless the clearing has been authorized by relevant municipal, provincial, or federal authorities, where applicable;

3.13.4 The project alters access to a water body;

3.13.5 The proponent is aware of any concerns from Indigenous communities about the proposed project and these concerns have not been resolved; or,

3.13.6 Conditions respecting Indigenous consultation in relation to the project were placed in another permit or approval and have not been met.

3.14 No less than 60 days prior to construction associated with an Alteration the Director may notify the Owner in writing that a project is not authorized through Schedule D of this Approval where:

3.14.1 Concerns regarding treaty rights or asserted rights have been raised by one or more Indigenous communities that may be impacted by the Alteration; or

3.14.2 The Director believes that it is in the public interest due to site specific, system specific, or project specific considerations.

3.15 Where an Alteration is not authorized under condition 3.13 or 3.14 above:

3.15.1 An application respecting the Alteration shall be submitted to the Ministry; and,

3.15.2 The Alteration shall not proceed unless:

a) Approval for the Alteration is granted by the Ministry (i.e., a Schedule C Notice); or,

b) The Director provides written notice that the Alteration may proceed in accordance with conditions in Schedule D of this Approval.

4.0 Authorizations of Future Alterations to Storm Sewers, Ditches, or Culverts - Additions, Modifications, Replacements and Extensions

4.1 The Owner or a Prescribed Person may alter the Authorized System by adding, modifying, replacing, or extending a Storm Sewer, ditch, or culvert within the Authorized System subject to the following conditions and conditions 4.2 and 4.3 below:

4.1.1 The design of the addition, modification, replacement, or extension:

a) Has been prepared by a Licensed Engineering Practitioner;

b) Has been designed only to collect and transmit Stormwater;

c) Has not been designed to collect or treat any sanitary Sewage;

d) Has not been designed to collect, store, treat, control, or manage groundwater, unless for the purpose of foundation drains, road subdrains, or LIDs;

e) Satisfies the Design Criteria or any municipal criteria that have been established that exceed the minimum requirements set out in the Design Criteria;

f) Satisfies the standards set out in Ontario Provincial Standard Specifications (OPSS) and Ontario Provincial Standard Drawings (OPSD), as applicable to ditches and culverts;

g) Is consistent with or otherwise addresses the design objectives contained within the Design Guidelines for Sewage Works;

h) Is planned, designed, and built to be consistent with the Stormwater Management Planning and Design Guidance Manual. If there is a conflict with Appendix A of this Approval, then Appendix A shall prevail; and

i) Includes design considerations to protect sources of drinking water, including those set out in the Standard Operating Policy

for Sewage Works, and any applicable local Source Protection Plan policies.

4.1.2 The addition, modification, replacement, or extension shall be designed so that it will:

a) Not adversely affect the ability to maintain a gravity flow in the Authorized System without overflowing or increase surcharging in any maintenance holes as per design; and

b) Provide smooth flow transition to existing gravity Storm Sewers.

4.1.3 The Alteration shall not result in:

a) Adverse Effects; or

b) A deterioration of the approved effluent quality or quantity of downstream Stormwater Management Facilities which results in not being able to achieve the overall Stormwater performance criteria per Appendix A.

4.1.4 The Storm Sewer, ditch or culvert addition, modification, replacement, or extension is wholly located within the municipal boundary over which the Owner has jurisdiction or there is a written agreement in place with the adjacent property owner respecting the Alteration and resulting Sewage Works.

4.1.5 The Owner consents in writing to the addition, modification, replacement, or extension.

4.1.6 A Licensed Engineering Practitioner has verified in writing that the addition, modification, replacement, or extension meets the requirements of conditions 4.1.1 a) to h), 4.3.9, and 4.3.10.

4.1.7 The Owner has verified in writing that the addition, modification, replacement, or extension has complied with inspection and testing requirements in the Design Criteria.

4.1.8 The Owner has verified in writing that the addition, modification, replacement, or extension meets the requirements of conditions 4.1.1 i), 4.1.2 to 4.1.6, 4.3.7, and 7.2.

4.2 The addition of Storm Sewers or ditches can be constructed but not operated until the Stormwater Management Facilities required to service the new Storm Sewers or ditches are in operation.

4.3 The Owner or a Prescribed Person is not authorized to undertake an Alteration described above in condition 4.1 where the Alteration relates to the addition, modification, replacement, or extension of a Storm Sewer that:

4.3.1 Passes under or through a body of surface water, unless trenchless construction methods are used or the local Conservation Authority has authorized an alternative construction method.

4.3.2 Has a nominal diameter greater than 3000 mm, or equivalent sizing.

4.3.3 Is a Combined Sewer.

4.3.4 Is a concrete channel.

4.3.5 Is designed to, at any time, transmit, store, or control sanitary Sewage.

4.3.6 Converts rural road cross section ditches to curb, gutter, and Storm Sewers if the Stormwater volume and/or peak flow is increased and no water quality treatment is planned or demonstrated to be achieved, in accordance with this Approval and Appendix A, to offset the increase in Stormwater.

4.3.7 Results in new discharges or increased discharges to a Municipal Drain without written approval by the Owner and a signed Municipal Drainage Engineer's Report in accordance with the *Drainage Act* R.S.O. 1990, c. D.17.

4.3.8 Establishes a new outlet with direct discharge into the Natural Environment without monitoring in accordance with this Approval and without achieving the requirements set in Appendix A.

4.3.9 Increases Stormwater flow of an existing Storm Sewer or ditch without achieving water quality criteria set in Appendix A in accordance with this Approval unless the existing downstream Municipal Stormwater Management System has sufficient residual transmission and treatment capacity to accommodate the additional Stormwater.

4.3.10 Increases local hydraulic capacity of an existing Storm Sewer or ditch to accommodate new Stormwater flows unless the existing downstream Municipal Stormwater Management System has sufficient residual hydraulic capacity to accommodate the additional Stormwater.

4.3.11 Connects to another Municipal Stormwater Management System, unless:

a) Prior to construction, the Owner of the Authorized System obtains written consent from the Owner or Owner's delegate of the Municipal Stormwater System being connected to; and

b) The Owner of the Authorized System retains a copy of the written consent from the Owner or Owner's delegate of the Municipal Stormwater Management System being connected to as part of the record that is recorded and retained under condition 4.4.

4.3.12 Is part of an Undertaking in respect of which:

a) A request under s.16(6) of the EAA has been made, namely a request that the Minister make an order under s.16;

b) The Minister has made an order under s.16; or

c) The Director under that EAA has given notice under s.16.1 (2) that the Minister is considering making an order under s.16.

4.4 The consents and verifications required in conditions 4.1 and 4.3, if applicable, shall be:

4.4.1 Recorded on Form SW1, prior to the Storm Sewer, ditch, or culvert addition, modification, replacement, or extension being placed into service; and

4.4.2 Retained for a period of at least ten (10) years by the Owner.

4.5 For greater certainty, the verification requirements set out in condition 4.4 do not apply to any Alteration in respect of the Authorized System which:

4.5.1 Is exempt under section 53(6) of the OWRA or by O. Reg. 525/98; or

4.5.2 Constitutes maintenance or repair of the Authorized System.

5.0 Authorizations of Future Alterations to Stormwater Management Facilities - Additions, Modifications, Replacement, and Extensions

5.1 Subject to conditions 5.2 and 5.3, the Owner or a Prescribed Person may alter the Stormwater Management Facilities in the Authorized System by adding, modifying, replacing, or extending the following components:

5.1.1 Rooftop storage

5.1.2 Parking lot storage

5.1.3 Superpipe storage

5.1.4 Reduced lot grading

5.1.5 Roof leader to ponding area

5.1.6 Roof leader to soak away pit

5.1.7 Infiltration trench

5.1.8 Engineered grassed swales / bioswale

5.1.9 Pervious pipes

5.1.10 Pervious catch Basins

5.1.11 Vegetated filter strips

5.1.12 Natural buffer strips

5.1.13 Green roofs/Rooftop gardens

5.1.14 Wet pond

5.1.15 Engineered wetland

5.1.16 Dry pond

5.1.17 Hybrid Facility

5.1.18 Infiltration basin

5.1.19 Filtration MTD

5.1.20 Sedimentation MTD – OGS

5.1.21 Underground closed bottom storage tank (for detention)

5.1.22 LID that relies on one or more of the following mechanisms to achieve treatment and control:

a) Evapotranspiration;

b) Infiltration into the ground; or

c) Filtration.

5.1.23 Any other Stormwater Management Facilities where the Director has provided authorization in writing to proceed with the Alteration.

5.2 Any Alteration to the Authorized System authorized under condition 5.1 is subject to the following conditions:

5.2.1 The design of the Alteration shall:

a) Be prepared by a Licensed Engineering Practitioner;

b) Be designed only to collect, receive, treat, or control only Stormwater and has not been designed to collect, receive, treat, or control sanitary Sewage;

c) Be planned, designed, and built to be consistent with the Stormwater Management Planning and Design Guidance Manual. If there is a conflict with Appendix A of this Approval, then Appendix A shall prevail;

d) Satisfy the Design Criteria or any municipal criteria that have been established that exceed the minimum requirements set out in the Design Criteria;

e) Be part of a Stormwater Treatment Train approach that satisfies the requirements outlined in Appendix A, or transmits Stormwater to a Stormwater Management Facility that satisfies the requirements outlined in Appendix A;

f) Include an outlet or an emergency overflow for the Sewage Works, with the verification of the location, route, and capacity of the receiving major system to accommodate overflows; and

g) Include design considerations to protect sources of drinking water, including those set out in the Standard Operating Policy for Sewage Works and any applicable local Source Protection Plan policies.

5.2.2 The Alteration shall not result in:

a) Adverse Effects; or

b) A deterioration on the approved effluent quality or quantity of downstream Stormwater Management Facilities which results in not being able to achieve the overall Stormwater performance criteria per Appendix A.

5.2.3 The Alteration may incorporate co-benefits, but in doing so shall not diminish functionality or efficiency of any Stormwater Management Facility(ies) that may be impacted by the Alteration.

5.2.4 Any new sedimentation MTD that is part of the Alteration shall meet the following requirements:

a) Tested in accordance with the Publicly Available Specification Canadian Procedure for Laboratory Testing of Oil-Grit Separators and testing data verified in accordance with the ISO 14034 Environmental Technology Verification (ETV) Standard (2016). The suspended solids removal claimed for the sedimentation MTD in achieving the water quality criteria in Appendix A, and the sizing methodology used to determine the appropriate sedimentation MTD dimensions for the particular site, shall be based on the ISO 14034 verified modified mass balance removal efficiency for all particle size fractions comprising the particle size distribution specified within the testing protocol or a particle size distribution approved by the Director.

b) Using the verified sediment removal efficiencies for the respective surface loading rates in the verification report specified in the testing Procedure, the sedimentation MTD sizing methodology shall use linear interpolation to calculate sediment removal efficiencies for surface loading rates that fall between the specified surface loading rates. For surface loading rates less than the lowest specified and tested surface loading rate, the sediment removal efficiency shall be assumed to be identical to the verified removal efficiency for the lowest specified and tested surface loading rate. Where available, 15 min rainfall stations shall be used for sizing the sedimentation MTD.

c) When two or more sedimentation MTD are installed in series, no additional sediment removal credit shall be applied beyond the sediment removal credit of the largest device in the series.

d) The sediment removal rate at the specified surface loading rates determined for the tested full scale, commercially available MTD may be applied to similar MTDs of smaller or larger size by proper scaling. Scaling the performance results of the tested MTD to other model sizes without completing additional testing is acceptable provided that:

    i The claimed sediment removal efficiencies for the similar MTD are the same or lower than the tested MTD at identical surface loading rates; and

    ii The similar MTD is scaled geometrically proportional to the tested unit in all inside dimensions of length and width and a minimum of 85% proportional in depth where the depth dimension is measured from the outlet pipe invert to the floor of the unit.

e) The units must be installed in an off-line configuration if the unit had an effluent concentration greater than 25 mg/L at any of the surface loading rates conducted during the sediment scour and resuspension test as part of the ISO 14034 verification.

f) The sedimentation MTD should be sized for the highest suspended solids percent removal physically and economically practicable, and used as a pre-treatment device in a treatment train designed to achieve the water quality criteria in Appendix A.

5.2.5 Any new filtration MTD that is part of the Alteration shall meet the following requirements:

a) Field tested and verified in accordance with a minimum of one of the following protocols:

i Washington State Technology Assessment Protocol - Ecology (TAPE) General Use Level Designation (GULD); and verification following the requirements of the International Organization for Standardization (ISO) 14034:2016; and

1. The field monitoring data set used to obtain GULD certification should include a minimum of three (3) events that exceed 75th percentile rainfall event with at least one hour with an intensity of 6 mm/h or greater.

ii The Canadian Procedure for Field Testing of Filtration Manufactured Treatment Devices and verification following the requirements of the International Organization for Standardization (ISO) 14034:2016; and the field monitoring data set used to obtain GULD certification should include a minimum of three (3) events that exceed 75th percentile rainfall event with at least one hour with an intensity of 6 mm/h or greater.

iii Another testing and verification method, where the Director has communicated acceptability in writing.

b) Where available, 15 min rainfall stations shall be used for sizing the filtration MTD using the rainfall intensity corresponding to 90% of annual runoff volume;

c) The SS removal rate determined for the tested full scale, commercially available filtration MTD, or single full-scale

commercially available cartridge or filtration module, may be applied to other model sizes of that filtration MTD provided that appropriate scaling principles are applied. Scaling the tested filtration MTD or single full-scale commercially available cartridge or filtration module, to determine other model sizes and performance without completing additional testing is acceptable provided that:

i The depth, composition, bulk density and gradation of media remain constant. The nominal pore size of membrane based filters remain constant.

ii The ratio of the system treatment flow rate to effective filtration treatment area (filter surface area) is the same or less than the tested filtration MTD; and;

iii The ratio of wet volume to effective filtration treatment area is the same or greater than the tested filtration MTD;

5.2.6 When it is necessary to use Privately Owned Stormwater Works in the Stormwater Treatment Train to achieve Appendix A criteria as part of or as a result of an Alteration, the following conditions apply:

a) The Owner shall, through such binding agreements as may be available under the Planning Act and Municipal Act and to the extent permitted by such legislation, require private property owners to build, operate, and maintain their Privately Owned Sewage Works so the Works function for their designed purpose; and

b) The Owner shall inform owners of Privately Owned Stormwater Works of the requirement under the Environmental Protection Act and/or Ontario Water Resources Act to obtain an environmental compliance approval or approvals for their Privately Owned Stormwater Works, unless otherwise exempt under such legislation.

5.2.7 The Alteration is wholly located within the municipal boundary over which the Owner has jurisdiction or there is a written agreement in place with the adjacent municipality respecting the Alteration and resulting Sewage Works.

5.2.8 The Owner consents in writing to the Alteration authorized under condition 5.1.

5.2.9 A Licensed Engineering Practitioner has verified in writing that the Alteration authorized under condition 5.1 meets the design requirements of conditions 5.2.1 a) to f), 5.2.4 and 5.2.5.

5.2.10 The Owner has verified in writing that the Alteration authorized under condition 5.1 meets the requirements of conditions 5.2.1 g), 5.2.2, 5.2.6 to 5.2.9, 5.3, 5.4, and 7.2.

5.3 The authorization in condition 5.1 does not apply:

5.3.1 To the establishment of a regional end-of-pipe flood control Facility;

5.3.2 Where the Alteration will result in new or increased discharges to a Municipal Drain without written approval by the Owner and a signed Municipal Drainage Engineer's Report in accordance with the *Drainage Act* R.S.O. 1990, c. D.17;

5.3.3 To the establishment of a new outlet with direct discharge into the Natural Environment without treatment and monitoring in accordance with this Approval;

5.3.4 Where the Alteration will service a drainage area greater than 200 ha;

5.3.5 Where the Alteration will result in conversion of an existing Stormwater Management Facility into another type of Stormwater Management Facility, unless the conversion increases quality control, quantity control does not decrease, and the new facility is not a manufactured treatment device;

5.4 Any Alteration to LID or end-of-pipe Stormwater Management Facilities shall be inspected before operation of the Alteration to confirm construction as per specifications (including depth, as applicable).

5.5 The consents and verifications required in conditions 5.2.8 to 5.2.10 if applicable, shall be:

5.5.1 Recorded on Form SW2, prior to undertaking the Alteration; and

5.5.2 Retained for a period of at least ten (10) years by the Owner.

5.6 For greater certainty, the verification requirements set out in condition 5.5 do not apply to any Alteration in respect of the Authorized System which:

5.6.1 Is exempt under section 53(6) of the OWRA or by O. Reg. 525/98; or

5.6.2 Constitutes maintenance or repair of the Authorized System.

6.0 Authorizations of Future Alterations for Third Pipe Collection System Additions, Modifications, Replacements and Extensions

6.1 The Owner or a Prescribed Person may alter the Authorized System by adding, modifying, replacing, or extending, and operating works comprising a municipal Third Pipe Collection System to collect foundation drainage and groundwater where:

6.1.1 The design of the Alteration:

a) Has been prepared by a Licensed Engineering Practitioner;

b) Is limited to collection, transmission, reuse and/or treatment of only foundation drainage and groundwater, and is not designed to collect or treat sanitary Sewage;

c) Satisfies the Design Criteria or any municipal criteria that have been established that exceed the minimum requirements set out in the Design Criteria; and

d) Is scoped so that the resulting Sewage Works are intended to:

i Primarily function for the non-potable reuse, as deemed acceptable by the Owner and the local health unit, of foundation drainage and/or groundwater, and no discharge to a Storm Sewer or Separate Sewer if there is excess volume that cannot be reused; and/or

ii Provide wetland recharge, in which case, collection of rooftop runoff will also be acceptable.

6.1.2 The Alteration is not located on a contaminated site, or where natural occurring conditions result in contaminated discharge, or where the site receives contaminated groundwater or foundation drainage from another site, unless the discharge being received has been remediated or treated prior to acceptance by the Third Pipe Collection System.

6.1.3 The Owner has undertaken a site assessment for water quantity, water quality, and hydrogeological site conditions regarding the Alteration.

6.1.4 The Alteration will not result in Adverse Effects.

6.1.5 The Alteration is wholly located within the municipal boundary over which the Owner has jurisdiction or there is a written agreement in place with the adjacent property owner respecting the Alteration and resulting Sewage Works.

6.1.6 The Owner consents in writing to the Alteration.

6.1.7 A Licensed Engineering Practitioner has verified in writing that the Alteration meets the requirements of condition 6.1.1.

6.1.8 The Owner has verified in writing that the Alteration meets the requirements of conditions 6.1.2 to 6.1.7.

6.2 The consents, verifications and documentation required in conditions 6.1.7 and 6.1.8 shall be:

6.2.1 Recorded on Form SW3 prior to undertaking the Alteration; and

6.2.2 Retained for a period of at least ten (10) years by the Owner.

6.3 For greater certainty, the verification requirements set out in condition 6.2 do not apply to any Alteration in respect of the Authorized System which:

6.3.1 Is exempt under section 53(6) of the OWRA or by O. Reg. 525/98; or

6.3.2 Constitutes maintenance or repair of the Authorized System, including changes to software for an existing SCADA system resulting from Alterations authorized in condition 6.1.

6.4 The Owner shall update, within twelve (12) months of the Alteration of the Sewage Works being placed into service, any drawings maintained for the Municipal Stormwater Management System to reflect the Alterations of the Sewage Works, where applicable.

7.0 Outlets

7.1 Any outlet established or altered as part of an Alteration authorized through conditions 4, 5, or 6 of Schedule D in this Approval shall have regard to the 2012 TRCA Stormwater Management Criteria document, Appendix E, for outlets.

7.2 Any outlet established as part of an Alteration authorized through conditions 4, 5, or 6 of Schedule D in this Approval shall not:

7.2.1 Increase discharge (for example, increase in peak flows or total volume of runoff) or create a new point source discharge to privately owned land unless there is express written consent of the owner(s) of such private land(s).

7.2.2 Result in Adverse Effects.

8.0 Previously Approved Sewage Works

8.1 If approval for an Alteration to the Authorized System was issued under the EPA and is revoked by this Approval, the Owner may make the Alteration in accordance with:

8.1.1 The terms of this Approval; or

8.1.2 The terms and conditions of the revoked approval as of the date this approval was issued, provided that the Alteration is commenced within five (5) years of the date that the revoked approval was issued.

9.0 Transition

9.1 An Alteration of the Authorized System is exempt from the requirements in clause (e) of condition 4.1.1, clause (d) of condition 5.2.1, and clause (c) of condition 6.1.1 where:

9.1.1 Effort to undertake the Alteration, such as tendering or commencement of construction of the Sewage Works associated with the Alteration, begins on or before December 31, 2026.

9.1.2 The design of the Alteration conforms to the Stormwater Management Planning and Design Manual, and where applicable, Design Guidelines for Sewage Works;

9.1.3 The design of the Alteration was completed on or before the issue date of this Approval or a Class Environmental Assessment was completed for the Alteration and changes to the design result in significant cost increase or significant project delays; and

9.1.4 The Alteration would be otherwise authorized under this Approval.

10.0 System-Specific Conditions

10.1 Stormwater Pumping Stations

10.1.1 The Owner or a Prescribed Person may alter the Authorized System by modifying existing stormwater pumping stations and odour control units / Facilities, including adding, replacing, or modifying the following components:

a) Pumps, including replacement parts, in an existing pumping system;

b) Grinders and screens;

c) Aeration and/or mixing equipment;

d) Chemicals and associated equipment and tanks (including secondary containment);

e) Odour and corrosion control structures;

f) Instrumentation and controls, including electrical;

g) Discharge and process piping;

h) Valves;

i) Wet-wells,

j) Fat, oil, and grease separators (FOGs), and

k) Chemical storage tanks (including fuel storage tanks) with Spill containment and associated equipment.

10.1.2 The Owner or a Prescribed Person may alter the Authorized System by adding a new stormwater pumping station which meets the following criteria:

a) Are designed to transmit a Peak Hourly Flow of no greater than 1000 L/s;

b) Includes emergency stand-by power, Spill containment, and emergency alarms (SCADA, if applicable);

c) Includes emergency storage designed to provide at minimum two (2) hours of response time at peak design flow

d) Includes odour and corrosion control, as applicable

e) Would serve an existing mixed land use or a new residential development or a new mixed land use development (or new phased residential or mixed land use development), which may include existing mixed land use or residential development that has no Combined or Partially Separated Sewers;

f) Is designed to only collect stormwater

10.1.3 The design of the Alteration shall:

a) Be prepared by a Licensed Engineering Practitioner, where the Alteration falls within the practice of professional

engineering as defined in the Professional Engineers Act, R.S.O. 1990;

b) Be consistent with or otherwise address the design objectives contained within the Design Guidelines for Sewage Works; and

c) Include design considerations to protect sources of drinking water, such as those included in the Standard Operating Policy for Sewage Works, and any applicable local Source Protection Plan policies.

10.1.4 The Alteration shall:

a) Not cause overflows or backups nor increase surcharging at any maintenance holes or privately owned infrastructure (e.g., service connections to basements) connected to the Authorized System or any Municipal Sewage Collection System connected to it;

b) Provide smooth flow transition to existing gravity Sewers;

c) Not increase the generation of sulfides and other odorous compounds in the Authorized System; and

d) Be wholly located within the municipal boundary over which the Owner has jurisdiction or there is a written agreement in place with the adjacent municipality respecting the Alteration and resulting Sewage Works.

10.1.5 Any Alteration of the Authorized System made under conditions 10.1.1 and 10.1.2 shall not result in:

a) Exceedance of hydraulic capacity (including Uncommitted Reserve Hydraulic Capacity, as applicable) of the downstream:

i Municipal Stormwater Collection System; or

ii Receiving Stormwater Management Facility.

b) Exceedance of any downstream Pumping Station Capacity as specified in Schedule B of this Approval;

c) An increase in the capacity of an existing Pumping Station Capacity of greater than 50%.

d) Any increase in Collection System Overflows that is not offset by measures taken elsewhere in the Authorized System.

e) Any increase in the frequency and/or volume of Stormwater Management Facility bypasses or Overflows that is not offset by measures.

f) Deterioration of the normal operation of municipal Stormwater Management Facility(ies) and/or the Authorized System.

g) A negative impact on the ability to undertake monitoring necessary for the operation of the Authorized System.

h) Adverse Effects.

10.1.6 The Alteration is subject to the following conditions:

a) The Owner consents in writing to the Alteration.

b) The person responsible for the design has verified in writing that the Alterations meets the requirements of conditions 10.1.3 a) and b), as applicable.

c) The Owner has verified in writing that the Alteration meets the requirements of conditions 10.1.3 c), and 10.1.6 a) and b).

10.1.7 The Owner shall verify in writing that any Alteration of the Authorized System in accordance with conditions 10.1.1 and 10.1.2 has met the requirements of the conditions listed in conditions 10.1.4 and 10.1.5.

10.1.8 The consents, verifications and documentation required in conditions 10.1.6 and 10.1.7 shall be:

a) Recorded on Form SW2 prior to undertaking the Alteration; and

b) Retained for a period of at least ten (10) years by the Owner.

10.1.9 For greater certainty, the verification requirements set out in condition 10.1.8 do not apply to any Alteration in respect of the Authorized System which:

a) Is exempt under section 53(6) of the OWRA or by O. Reg. 525/98; or

b) Constitutes maintenance or repair of the Authorized System, including changes to software for an existing SCADA system resulting from Alterations authorized in condition 10.1.1 and 10.1.2.

10.1.10 The Owner shall update, within twelve (12) months of the Alteration of the Sewage Works being placed into service, any drawings maintained for the Municipal Stormwater Collection System to reflect the Alterations of the Sewage Works, where applicable.

10.2 **Authorizations of Future Alterations to Equipment with Emissions to the Air**

10.2.1 The Owner and a Prescribed Person may alter the Authorized System by adding, modifying, or replacing the following Equipment in the Municipal Stormwater Management System:

a) Venting for odour control using solid scavenging or carbon adsorption units;

b) Venting for odour control by replacing existing biolfiltration or wet air scrubbing systems, including any components, with Equipment of the same or better performance characteristics; and

c) Emergency generators that fire No. 2 fuel oil (diesel fuel) with a sulphur content of 0.5 per cent or less measured by weight, natural gas, propane, gasoline, or biofuel, and that are used for emergency duty only with periodic testing.

10.2.2 Any Alteration of the Municipal Stormwater Management System made under condition 10.2.1 that may discharge or alter the rate or manner of a discharge of a Compound of Concern to the atmosphere is subject to the following conditions:

a) The Owner shall, at all times, take all reasonable measures to minimize odorous emissions and odour impacts from all potential sources at the Facility.

b) The Owner shall ensure that the noise emissions from the Facility comply with the limits set out in Publication NPC-300.

c) The Owner shall ensure that the vibration emissions from the Facility comply with the limits set out in Publication NPC-207.

10.2.3 The Owner shall not add, modify, or replace Equipment in the Municipal Stormwater Management System as set out in condition

10.2.1 unless the Equipment performs an activity that is directly related to municipal Stormwater collection and transmission.

10.2.4 The emergency generators identified in condition 10.2.1 c) shall not be used for non-emergency purposes (excluding generator testing) including the generation of electricity for sale or for peak shaving purposes.

10.2.5 The Owner shall verify in writing that any addition, modification, or replacement of Equipment in accordance with condition 10.2.1 has met the requirements of the conditions listed in conditions 10.2.2, 10.2.3, and 10.2.4.

10.2.6 The verifications and documentation required in condition 10.2.5 shall be:

a) Recorded on Form A1 prior to the additional, modified or replacement Equipment being placed into service; and

b) Retained for a period of at least ten (10) years by the Owner.

10.2.7 For greater certainty, the verification and documentation requirements set out in condition 10.2.5 and 10.2.6 do not apply to any addition, modification, or replacement in respect of the Authorized System which:

a) Is exempt from the requirements of the EPA, or for Equipment that is exempt from s.9 of the EPA under O. Reg. 524/98; or

b) Constitutes maintenance or repair of the Authorized System.

Schedule E: Operating Conditions

System Owner	**Ottawa, City of**
ECA Number	**008-S701**
System Name	**City of Ottawa Municipal Stormwater Management System**
ECA Issue Date	**December 10th, 2025**

1.0 General Operations

1.0 The Owner shall ensure that, at all times, the Sewage Works comprising the Authorized System and the related equipment and Appurtenances used to achieve compliance with this Approval are properly operated and maintained.

1.1 Prescribed Persons and Operating Authorities shall ensure that, at all times, the Sewage Works under their care and control and the related equipment and Appurtenances used to achieve compliance with this Approval are properly operated and maintained.

1.2 In conditions 1.1 and 1.2 “properly operated and maintained” includes effective performance, adequate funding, adequate operator staffing and training, including training in applicable procedures and other requirements of this Approval and the EPA, OWRA, CWA, and regulations, adequate laboratory services, process controls and alarms and the use of process chemicals and other substances used in the Authorized System.

1.3 The Owner shall use best effort to ensure that Sewage Works are operated with the objective that the effluent from the Sewage Works is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film, sheen, foam, or discoloration on the receiving waters, and shall evaluate the need for maintenance if the objective is not being met.

1.4 The Owner shall ensure that any Storm Sewers or ditches authorized under Schedule D of this approval are not placed into operation until the associated Stormwater Management Facilities to provide treatment are constructed and operated.

2.0 Duties of Owners and Operating Authorities

2.1 The Owner, Prescribed Persons, and any Operating Authority shall ensure the following:

2.1.1 At all times that the Sewage Works within the Authorized System are in service, the Sewage Works are:

a) Operated in accordance with the requirements under the EPA and OWRA, and

b) Maintained in a state of good repair.

2.1.2 The Authorized System is operated by persons that are familiar with the requirements of this Approval.

2.1.3 All sampling, testing, monitoring, and reporting requirements under the EPA and this Approval that relate to the Authorized System are complied with.

2.1.4 All necessary steps are taken to ensure that operations of the Sewage Works and any associated physical structures do not constitute a safety or health hazard to the general public.

2.1.5 Where a Stormwater Management Facility ceases to function as a Stormwater Management Facility, whether by intent, accident, or otherwise (e.g., a CSO or an SSO), a workplan shall be developed that includes local community notification, plans for rehabilitating the Stormwater Management Facility to proper function in a reasonable time, identification of actions that will be taken to prevent reoccurrences, and timelines for implementing the workplan.

2.1.6 That operations and maintenance activities are undertaken at the frequency and in conformance with the procedures set out in the O&M Manual.

a) A Prescribed Person or Operating Authority shall only undertake operations and maintenance activities where they have been delegated the authority to undertake such activities by the Owner or the Owner has expressly approved the activity(ies).

2.2 For clarity, the requirements outlined in the above conditions 2.1 for Prescribed Persons and any Operating Authority only apply to Sewage Works within the Authorized System where they are responsible for the operation.

2.3 The Owner, Prescribed Persons, and Operating Authority shall take all reasonable steps to minimize and ameliorate any Adverse Effect on the Natural Environment or impairment of the quality of water of any waters resulting from the operation of the Authorized System, including such accelerated or additional monitoring as may be necessary to determine the nature and extent of the effect or impairment.

3.0 Operations and Maintenance

3.1 Inspection

3.1.1 The Owner shall ensure that all Sewage Works within the Authorized System are inspected at the frequency and in accordance with procedures set out in their O&M Manual.

3.1.2 The owner shall ensure that:

a) Any Stormwater Management Facilities, pumping stations, and any outlets that discharge to a receiver, are inspected at least once before December 31, 2027, if these have not been inspected since January 1, 2018 and thereafter as required by the O&M Manual; and

b) Any Stormwater Management Facilities, pumping stations, and any outlets that discharge to a receiver, established, or replaced within the Authorized System after the date of issuance of this Approval, are inspected within one year of being placed into service and thereafter as required by the O&M Manual.

3.1.3 The Owner shall clean and maintain Sewage Works within the Authorized System to ensure the Sewage Works perform as designed.

3.1.4 The Owner shall inspect the Stormwater Management Facilities in the Authorized System after significant flooding events as defined in, and in accordance with procedures documented in, the O&M Manual.

3.1.5 The Owner shall maintain records of the results of the inspections required in condition 3.1.1, 3.1.2 and 3.1.4 and any cleaning and maintenance operations undertaken, and shall make available the records for inspection by the Ministry upon request. The records shall include the following:

a) Asset ID and name of the Sewage Works;

b) Date and results of each inspection, maintenance, or cleaning;

c) Name of person who conducted the inspection, maintenance, or the name of the inspecting official, where applicable, and

d) As applicable to the type of works, observations resulting from the inspection including, at a minimum:

i Hydraulic operation of the works (e.g., length of occurrence since the last rainfall event, evidence or occurrence of overflows).

ii Condition of vegetation in and around the works.

iii Occurrence of obstructions at the inlet and outlet of the works.

iv Evidence of spills and/or oil/grease contamination.

v Presence of trash build-up, and

vi Measurements of other parameters as required in the Monitoring Plan.

3.2 Operations & Maintenance (O&M) Manual

3.2.1 The Owner shall prepare and implement an operations and maintenance manual for Sewage Works within the Authorized System on or before December 31, 2026, that includes or references, but is not necessarily limited to, the following information:

a) Procedures for the routine operation of the Sewage Works;

b) Inspection programs, including the frequency of inspection, and the methods or tests employed to detect when maintenance is necessary, including:

i Presence of algae and/or invasive species impairing the Works (e.g., phragmites, goldfish);

ii Measurements of sediment depth, manual water levels (staff gauge) and/or visual observations, as appropriate to the Stormwater Management Facilities.

c) Maintenance and repair programs, including:

i The frequency of maintenance and repair for the Sewage Works;

ii Stormwater pond sediment cleanout, dewatering, and management;

iii Excavation, modification, replacement of LID soil/media/aggregate/geotextile, such as bioretention cells, green roof, permeable pavement; and

iv The frequency of maintenance for any other Stormwater Management Facilities identified in Schedule B that collect sediment.

d) Operational and maintenance requirements to protect sources of drinking water, such as those included in the Standard Operating Policy for Sewage Works, and any applicable local Source Protection Plan policies;

e) Procedures for routine physical inspection and calibration of monitoring equipment or components in accordance with the Monitoring Plan;

f) Emergency Response, Spill Reporting and Contingency Plans and Procedures for dealing with equipment breakdowns, potential spills, and any other abnormal situations, including notification to the Spills Action Centre, the Medical Officer of Health, and the District Manager, as applicable;

i Including response and clean up procedures for sanitary overflows into the stormwater system.

g) Procedures for receiving, responding, and recording public complaints, including recording any follow-up actions taken; and

h) As-built drawings or record drawings of the Sewage Works for stormwater works constructed on or after January 1, 2010 and where available for stormwater works constructed prior to January 1, 2010.

3.2.2 The Owner shall review and update the O&M Manual and ensure that access to a copy is readily available for each Stormwater Management Facility for the operational life of the works.

3.2.3 The Owner shall provide a copy of the O&M Manual to Ministry staff, upon request.

3.2.4 The Owner shall revise the O&M Manual to include procedures necessary for the operation and maintenance of any Sewage Works within the Authorized System that are established, altered, extended, replaced, or enlarged after the date of issuance of this approval prior to placing into service those Sewage Works.

3.2.5 For greater certainty, the O&M Manual may be a single document or a collection of documents that, when considered together, apply to all parts of the Authorized System.

3.3 On or before December 31, 2027, the Owner shall establish signage to notify the public at any Stormwater Management Facility identified in Schedule B that is a wet pond, dry pond, hybrid Facility, or engineered wetland. The signage shall include the following minimum information:

3.3.1 Identification that the site contains a Stormwater Management Facility;

3.3.2 Identification of potential hazards and limitations of water use, as applicable;

3.3.3 Identification of the purpose of the Facility;

3.3.4 ECA approval number and/or asset ID; and

3.3.5 Owner's contact information.

3.4 Signage established prior to December 31, 2027 does not need to be replaced by the deadline identified condition 3.3 of Schedule E if it includes, at a minimum:

- the Owner's logo or other contact information,
- the identification of the Works, and
- notes any potential hazards and/or limitations.

3.4.1 Signage must meet the minimum information described in condition 3.3 of Schedule E when replaced.

3.5 Prior to any maintenance of Sewage Works comprising the Authorized System, the Owner shall ensure that all applicable permits or authorizations have been obtained from Federal or Provincial agencies having legislative mandates relating to species at risk or water resources.

4.0 Monitoring Plan

4.1 On or before December 31, 2026 or within twenty-four (24) months of the date of the publication of the Ministry's monitoring guidance, whichever is later, the Owner shall develop and implement a monitoring plan for the Authorized System. The monitoring plan shall be:

4.1.1 Signed and approved by management with the authority delegated by the Owner to do so;

4.1.2 Peer-reviewed by a third-party Qualified Person (QP), external to the development of the Monitoring Plan, to verify the adequacy of the Monitoring Plan in complying with conditions 4.4 and 4.5 of Schedule E. The results of the peer review shall include:

a) Written confirmation from the QP that they have the experience and qualifications to carry out the work; and

b) Written confirmation from the QP of the adequacy of the Monitoring Plan.

4.2 The Owner, or a QP designated by the Owner, may jointly develop the Monitoring Plan in partnership with Owner(s) of other Municipal Stormwater Management Systems as long as the Municipal Stormwater Management Systems are within the same watershed.

4.3 The Owner shall ensure the Monitoring Plan is implemented and any resulting monitoring data is recorded in an electronic database.

4.4 The Monitoring Plan shall include:

4.4.1 Procedures to verify that the operational performance of the Authorized System is as designed/planned;

4.4.2 Procedures to assess the environmental impact of the Municipal Stormwater Management System; and

4.4.3 Procedures for any corrective action that may be required to address any performance deficiencies or environmental impacts identified from above conditions 4.4.1 or 4.4.2.

4.5 The Monitoring Plan shall also include, but not be limited to:

4.5.1 Identification of the Sewage Works to be monitored, including outlets and any works that provide quality and/or quantity control;

4.5.2 Identification of the key receivers to be monitored within the Owner’s municipal boundaries and the monitoring locations;

4.5.3 Consideration of relevant municipal land use and environmental planning documents (e.g., Stormwater Management Master Plan, Class Environmental Assessment Project, asset management plan, sub watershed studies, and planned development);

4.5.4 Characterization of water quality and quantity conditions and identification of water users to be protected, based on conditions 4.5.2 and 4.5.3;

4.5.5 Identification of water quality and quantity goals, as it relates to Stormwater management, using the information collected in condition 4.5.4;

4.5.6 Identification of locations of rainfall gauges to be used;

4.5.7 Identification of inspections, measurements, sampling, analysis and/or other monitoring activities that were used as the basis for or will inform future updates to the procedures identified in condition 4.4.

4.5.8 Details respecting a monitoring program for the works and the receivers, that includes, at a minimum:

a) Hydrological, chemical, physical, and biological parameters, as appropriate, in alignment with the goals;

b) Ensures water level of the Stormwater Measurement Facilities, excluding MTDs, are measured at regular intervals with a water level gauge;

c) Monitoring methodology, including the frequency and protocols for sampling, analysis, and recording, with consideration of dry and wet weather events and timing of sampling during wet weather events.

d) Ensures that the time of all samples or measurements are recorded.

4.5.9 An implementation plan for the monitoring program that identifies timelines and, if the monitoring occurs on a rotational basis, provides a description of the rotational schedule and associated works.

4.5.10 Includes a summary of all monitoring data along with an interpretation of the data and any conclusion drawn from the data evaluation about the need for future modifications to the Authorized System or system operations, and

4.5.11 Consideration of adaptive management practices (e.g., evidence-based decision making).

4.6 The Owner shall ensure that the Monitoring Plan is updated where necessary within twelve (12) months of any Alteration to the Authorized System, or more frequently as required by the Monitoring Plan.

4.7 The Owner shall, on request and without charge, provide a copy of the Monitoring Plan and any resulting monitoring data to members of the public.

5.0 Reporting

5.1 The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.

5.2 The Owner shall prepare an annual performance report for the Authorized System that:

5.2.1 Is submitted to the Director on or before April 30th of each year and covers the period from January 1st to December 31st of the preceding calendar year.

a) For clarity, the first report shall cover the period of January 1, 2025 to December 31st, 2025 and be submitted to the Director on or before April 30th, 2026.

5.2.2 Includes a summary of all monitoring data along with an interpretation of the data and an overview of the condition and operational performance of the Authorized System and any Adverse Effects on the Natural Environment;

5.2.3 Includes a summary and interpretation of environmental trends based on all monitoring information and data for the previous five (5) years;

5.2.4 Includes a summary of any operating problems encountered and corrective actions taken;

5.2.5 Includes a summary of all inspections, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or thing forming part of the Authorized System;

5.2.6 Includes a summary of the calibration and maintenance carried out on all monitoring equipment;

5.2.7 Includes a summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints;

5.2.8 Includes a summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alterations that pose a Significant Drinking Water Threat;

5.2.9 Includes a summary of all spills or abnormal discharge events;

5.2.10 Includes a summary of actions taken, including timelines, to improve or correct performance of any aspect of the Authorized System; and

5.2.11 Includes a summary of the status of actions for the previous reporting year.

5.3 The report described in condition 5.2 shall be:

5.3.1 Made available, on request and without charge, to members of the public who are served by the Authorized System; and

5.3.2 Made available, by June 1st of the same reporting year, to members of the public without charge by publishing the report on the Internet, if the Owner maintains a website on the Internet.

6.0 Record Keeping

6.1 The Owner shall retain for a minimum of ten (10) years from the date of their creation:

6.1.1 All records, reports and information required by this Approval and related to or resulting from Alterations to the Authorized System, and

6.1.2 All records, report and information related to the operation, maintenance and monitoring activities required by this Approval.

6.2 The Owner shall update, within twelve (12) months of any Alteration to the Authorized System being placed into service, any drawings maintained for the Municipal Stormwater Management System to reflect the Alteration of the Sewage Works, where applicable.

7.0 Review of this Approval

7.1 No later than the date specified in Condition 1 of Schedule A of this Approval, the Owner shall submit to the Director an application to have the Approval reviewed. The application shall, at minimum:

7.1.1 Include an updated description of the Sewage Works within the Authorized System, including any Alterations to the Sewage Works that were made since the Approval was last issued; and

7.1.2 Be submitted in the manner specified by Director and include any other information requested by the Director.

8.0 Source Water Protection

8.1 The Owner shall ensure that any Alteration in the Authorized System is designed, constructed, and operated in such a way as to be protective of sources of drinking water in Vulnerable Areas as identified in the Source Protection Plan, if available.

8.2 The Owner shall prepare a “Significant Drinking Water Threat Assessment Report for Proposed Alterations” for the Authorized System on or before December 31, 2026 that includes, but is not necessarily limited to:

8.2.1 An outline of the circumstances under which proposed Alterations could pose a Significant Drinking Water Threat based on the Director’s Technical Rules established under the CWA.

8.2.2 An outline of how the Owner assesses the proposed Alterations to identify drinking water threats under the CWA.

8.2.3 For any proposed Alteration a list of components, equipment, or Sewage Works that are being altered and have been identified as a Significant Drinking Water Threat.

8.2.4 A summary of design considerations and other measures that have been put into place to mitigate risks resulting from construction or operation of the components, equipment, or Sewage Works identified in condition 8.2.3, such as those included in the Standard Operating Policy for Sewage Works.

8.3 The Owner shall make any necessary updates to the report required in condition 8.2 at least once every twelve (12) months.

8.4 Any components, equipment, or Sewage Works added to the report required in condition 8.2 shall be included in the report for the operational life of the Sewage Works.

8.5 Upon request, the Owner shall make a copy of the report required in condition 8.2 available to the Ministry or Source Protection Authority staff.

9.0 Storm Sewer Catchment Asset Inventory

9.1 The Owner shall prepare and submit to the Director an inventory of the storm sewer sheds and classify in accordance with Tables E1 and E2, on or before December 31, 2027. Minimum classification of the level of Stormwater management is as follows:

9.1.1 Level A – Stormwater receives treatment for water quality and quantity prior to discharge to the environment;

9.1.2 Level B – Stormwater receives treatment for water quality but no water quantity prior to discharge to the environment; and

9.1.3 Level C – Stormwater receives no treatment for water quality prior to discharge to the environment.

Table E1. Storm Sewer shed and Associated Treatment					
Outlet Asset ID	Sewer shed Catchment Area (ha)	Tributary or Receiver	Sub watershed/ Watershed	Stormwater Management Level (A, B or C)	Treatment provided by other municipality (if applicable)

Table E2. Summary of Storm Sewer sheds		
Stormwater Management Level	Total Number of Outlets to Environment	Total Sewer shed Catchment Area (ha)
Level A		
Level B		
Level C		

9.2 Within 12 (twelve) months of the date that the inventory required in condition 9.1 is submitted to the Director, the document(s) or file(s) referenced in Table B1 of Schedule B of this Approval shall be updated to identify the storm sewer sheds for each outlet and their level of Stormwater management.

Schedule F: Residue Management

System Owner	**Ottawa, City of**
ECA Number	**008-S701**
System Name	**City of Ottawa Municipal Stormwater Management System**
ECA Issue Date	**December 10th, 2025**

1.0 Residue Management System

1.1 Not Applicable.

Appendix A – Stormwater Management Criteria

1.0 Applicability of Criteria

1.1 The criteria listed under Table A1 of this Appendix applies to all drainage areas greater than 0.1 ha, with the construction erosion and sediment control criteria applying also to sites <0.1 ha;

1.2 Despite condition 1.1 of Appendix A, if some or all of the criteria listed under Table A1 of this Appendix have been assessed for and addressed in other adjacent developed lands to the project site through a sub watershed plan or equivalent study, then those criteria may not be applicable to the project site.

Table A1. Performance Criteria

Water Balance [1]	**FOR DEVELOPMENT SCENARIOS** [2] **Assessment Studies:** i) Control [3] as per the criteria identified in the water balance assessment completed in one or more of the following studies [15], if undertaken: a watershed/sub watershed plan; Source Protection Plan (Assessment Report component); Master Stormwater Management Plan, Master Environmental Servicing Plan; Class EA, or similar approach that transparently considers social, environmental and financial impacts; or local site study including natural heritage, Ecologically significant Groundwater Recharge Areas (EGRA), inflow and infiltration strategies. The assessment should include sufficient detail to be used at a local site level and consistent with the various level of studies; OR **IF Assessment Studies in i) NOT completed:** ii) Control [3] the recharge [4] to meet Pre-development [5] conditions on property; **OR** iii) Control [3] the runoff from the 90th percentile storm event. **Lake Simcoe Watershed Municipalities:** iv) Control [3] as per the evaluation of anticipated changes in water balance between Pre-development and post-development assessed through a Stormwater management plan in support of an application for Major Development [6]. The assessment should include sufficient detail to be used at a local site level. If it is demonstrated, using the approved water balance estimation methods **[7]**, that the site's post to Pre-development water balance cannot be met, and Maximum Extent Possible [8] has been attained, the proponent may use Lake Simcoe and Region Conservation Authority's (LSRCA) Recharge Compensation Program [9]. **FOR RETROFIT SCENARIOS** [10] **Assessment Studies:** i) Control as per criteria identified in the water balance assessment completed in one or more of the following studies: a watershed/sub watershed

	plan, Source Protection Plan (Assessment Report component), Master Stormwater Management Plan, Master Environmental Servicing Plan, Class EA, or local site study including natural heritage, EGRA, inflow and infiltration strategies, if undertaken. The assessment should include sufficient detail to be used at a local site level and consistent with the various level of studies; **OR** ii) If constraints [11] identified in i), then control [3] as per Maximum Extent Possible [8] based on environmental site feasibility studies or address local needs[14]. **IF Assessment Studies in i) NOT completed:** iii) Control [3] the recharge [4] to meet Pre-development [5] conditions on property; **OR** iv) Control [3] the runoff from the 90th percentile storm event.
Water Quality [1]	**FOR DEVELOPMENT SCENARIOS** [2] All of the following criteria must be met for development scenarios: **General:** i) Characterize the water quality to be protected and Stormwater Contaminants (e.g., suspended solids, nutrients, bacteria, water temperature) for potential impact on the Natural Environment, and control as necessary, **OR** ii) As per the watershed/sub watershed plan, similar area-wide Stormwater study, or Stormwater management plan to minimize, or where possible, prevent increases in Contaminant loads and impacts to receiving waters. **Suspended Solids:** i) Control [3] 90th percentile storm event and if conventional methods are necessary, then enhanced, normal, or basic levels of protection (80%, 70%, or 60% respectively) for suspended solids removal (based on the receiver). **Phosphorus:** i) Minimize existing phosphorus loadings to Lake Erie and its tributaries, as compared to 2018 or conditions prior to the proposed development, **OR** ii) Minimize phosphorus loadings to Lake Simcoe and its tributaries. Proponents with development sites located in the Lake Simcoe watershed shall evaluate anticipated changes in phosphorus loadings between Pre-development and post-development through a Stormwater management plan in support of an application for Major Development [6]. The assessment should include sufficient detail to be used at a local site level. If, using the approved phosphorus budget tool [12], it is demonstrated that the site's post to Pre-development phosphorus budget cannot be met, and Maximum Extent Possible [8] has been attained, the proponent may use LSRCA's Phosphorus Offsetting Policy [9]. **FOR RETROFIT SCENARIOS** [10] i) Improve the level of water quality control currently provided on site; **AND** ii) As per the 'Development' criteria for Suspended Solids, **OR** iii) **If 'Development' criteria for Suspended Solids cannot be met**, Works are designed as a multi-year retrofit project, in accordance with a rehabilitation study or similar area-wide Stormwater study, such that the completed treatment train will achieve the 'Development' criteria for

	Suspended Solids or local needs[14], within ten (10) years; **OR** iv) If constraints [11] identified in ii) and iii), then control [3] as per Maximum Extent Possible [8] based on environmental site feasibility studies.
Erosion Control (Watershed) [1]	**FOR DEVELOPMENT SCENARIOS** [8] i) As per erosion assessment completed in watershed/sub watershed plan, Master Stormwater Management Plan, Master Environmental Servicing Plan, Drainage Plan, Class EA, local site study, geomorphologic study, or erosion analysis; **OR** ii) As per the Detailed Design Approach or Simplified Design Approach methods described in the Stormwater Management Planning and Design Manual: a. The Detailed Design Approach may be selected by the proponent for any development regardless of size and location within the watershed provided technical specialists are available for the completion of the technical assessments; or considered more appropriate than the simplified approach given the size and location of the development within the watershed and the sensitivity of the receiving waters in terms of morphology and habitat function. b. The Simplified Design Approach may be adopted for watersheds whose development area is generally less than twenty hectares AND either one of the following two conditions apply: 1) The catchment area of the receiving channel at the point-of-entry of Stormwater drainage from the development is equal to or greater than twenty-five square kilometers; or 2) Meets the following conditions: ☐ The channel bankfull depth is less than three quarters of a meter; ☐ The channel is a headwater stream; ☐ The receiving channel is not designated as an Environmentally Sensitive Area (ESA) or Area of Natural or Scientific Interest (ANSI) and does not provide habitat for a sensitive aquatic species; ☐ The channel is stable to transitional; and ☐ The channel is slightly entrenched; **OR** iii) In the absence of a guiding study, detain at minimum, the runoff volume generated from a 25 mm storm event over 24 to 48 hours. **FOR RETROFIT SCENARIOS** [10] i) If approaches i-iii) under 'Development Scenarios' are not feasible as per identified constraints [11], then improve the level of erosion control [3] currently provided on site to Maximum Extent Possible [8] based on environmental site feasibility studies or address local needs[14].
Water Quantity (Minor and Major System) [1]	**i)** As per municipal standards, Master Stormwater Management Plan, Class EA, Individual EA and/or ECA, as appropriate for the type of project [13]

Flood Control (Watershed Hydrology) [1]	**FOR DEVELOPMENT SCENARIOS** [2] i) Manage peak flow control as per watershed/sub watershed plans, municipal criteria being a minimum 100 year return storm (except for site-specific considerations and proximity to receiving water bodies), municipal guidelines and standards, Individual/Class EA, ECA, Master Plan, as appropriate for the type of project [13]. **FOR RETROFIT SCENARIOS** [10] i) If approaches i) under 'Development Scenarios' are not feasible as per identified constraints [11], then improve the level of flood control [3] currently provided on site to Maximum Extent Possible [8] based on environmental site feasibility studies.
Construction Erosion and Sediment Control	i) Manage construction erosion and sediment control through development and implementation of an erosion and sediment control (ESC) plan. The ESC plan shall: a. Have regard to Canadian Standards Association (CSA) W202 Erosion and Sediment Control Inspection and Monitoring Standard (as amended); OR b. Have regard to Erosion and Sediment Control Guideline for Urban Construction 2019 by TRCA (as amended). ii) Be prepared by a QP for sites with drainage areas greater than 5 ha or if specified by the Owner for a drainage lower than 5 ha. iii) Installation and maintenance of the ESC measures specified in the ESC plan shall have regard to CSA W208:20 Erosion and Sediment Control Installation and Maintenance (as amended). iv) For sites with drainage areas greater than 5 ha, a QP shall inspect the construction ESC measures, as specified in the ESC plan.
Footnote	1. Where the opportunity exists on your project site or the same sub watershed, reallocation of development elements may be optimal for management as described in footnote [3]. 2. Development includes new development, redevelopment, infill development, or conversion of a rural cross-section into an urban cross-section. 3. Stormwater volumes generated from the geographically specific 90th percentile rainfall event on an annual average basis from all surfaces on the entire site are targeted for control. Control is in the following hierarchical order, with each step exhausted before proceeding to the next: 1) retention (infiltration, reuse, or evapotranspiration), 2) LID filtration, and 3) conventional Stormwater management. Step 3, conventional Stormwater management, should proceed only once Maximum Extent Possible [8] has been attained for Steps 1 and 2 for retention and filtration. 4. Recharge is the infiltration and movement of surface water into the soil, past the vegetation root zone, to the zone of saturation, or water table. 5. Pre-development is defined as the more stringent of the two following scenarios: 1) a site's existing condition, or 2) as defined by the local municipality. 6. Major Development has the same meaning as in the Lake Simcoe Protection Plan, 2009. 7. Currently, the approved tool by LSRCA for calculating the water balance is the Thornthwaite-Mather Method. Other tools agreed upon by relevant approval agencies (e.g., LSRCA, municipality, or Ministry) may also be acceptable, subject to written acceptance by the Director. 8. Maximum Extent Possible means maximum achievable Stormwater volume control through retention and LID filtration

	engineered/landscaped/technical Stormwater practices, given the site constraints [11]. 9. Information pertaining to LSRCA's Recharge Compensation Program and Phosphorus Offsetting Policy is available on LSRCA's website (lsrca.on.ca), or in "Water Balance Recharge Policy for the Lake Simcoe Protection Plan", dated July 2021, and prepared by Lake Simcoe Region Conservation Authority and "Phosphorus Offsetting Policy", dated July 2021, and prepared by Lake Simcoe Region Conservation Authority. 10. Retrofit means: 1) a modification to the management of the existing infrastructure, 2) changes to major and minor systems, or 3) adding Stormwater infrastructure, in an existing area on municipal right-of-way, municipal block, or easement. It does not include conversion of a rural cross-section into an urban cross-section. 11. Site constraints must be documented. A list of site constraints can be found in Table A2. 12. Tools for calculating phosphorus budgets may include the Ministry's Phosphorus Tool, the Low Impact Development Treatment Train Tool developed in partnership by TRCA, LSRCA, and Credit Valley Conservation (CVC), or other tools agreed upon by the LSRCA and other relevant approval agencies including the municipality. 13. Possible to look at combined grey infrastructure and LID system capacity jointly. 14. Local needs include requirements for water quality, erosion, and/or water balance retrofits identified by the owner through ongoing operation and maintenance of the stormwater system, including inspection of local receiving systems and the characterization of issues requiring remediation through retrofit controls. 15. All studies shall conform with Ministry policies. If any conclusions in the studies negate policy, then the project will require a direct submission to the Ministry for review through an application pertaining to a Schedule C Notice.

Table A2. Stormwater Management Practices Site Constraints

	Site Constraints
a)	Shallow bedrock [1], areas of blasted bedrock [2], and Karst;
b)	High groundwater [1] or areas where increased infiltration will result in elevated groundwater levels which can be shown through an appropriate area specific study to impact critical utilities or property (e.g., susceptible to flooding);
c)	Swelling clays [3] or unstable sub-soils;
d)	Contaminated soils (e.g., brownfields);
e)	High Risk Site Activities including spill prone areas;
f)	Prohibitions and or restrictions per the approved Source Protection Plans and where impacts to private drinking water wells and /or Vulnerable Domestic Well Supply Areas cannot be appropriately mitigated;
g)	Flood risk prone areas or structures and/ or areas of high inflow and infiltration (I/I) where wastewater systems (storm and sanitary) have been shown through technical studies to be sensitive to groundwater conditions that contribute to extraneous flow rates that cause property flooding / Sewer back-ups;

h)	For existing municipal rights-of-way infrastructure (e.g., roads, sidewalks, utility corridor, Sewers, LID, and trails) where reconstruction is proposed and where surface and subsurface areas are not available based on a site-specific assessment completed by a QP;
i)	For developments within partially separated wastewater systems where reconstruction is proposed and where, based on a site-specific assessment completed by a QP, can be shown to: i Increase private property flood risk liabilities that cannot be mitigated through design; ii Impact pumping and treatment cost that cannot be mitigated through design; or iii Increase risks of structural collapse of Sewer and ground systems due to infiltration and the loss of pipe and/or pavement support that cannot be mitigated through design.
j)	Surface water dominated or dependent features including but not limited to marshes and/or riparian forest wetlands which derive all or a majority of their water from surface water, including streams, runoff, and overbank flooding. Surface water dominated or dependent features which are identified through approved site specific hydrologic or hydrogeologic studies, and/or Environmental Impact Statements (EIS) may be considered for a reduced volume control target. Pre-consultation with the MECP and local agencies is encouraged;
k)	Existing urban areas where risk to water distribution systems has been identified through assessments to meet applicable drinking water requirements, including Procedures F-6 and F-6-1, and substantiated by a QP through an appropriate area specific study and where the risk cannot be reasonably mitigated per the relevant design guidelines;
l)	Existing urban areas where risk to life, human health, property, or infrastructure has been is identified and substantiated by a QP through an appropriate area specific study and where the risk cannot be reasonably mitigated per the relevant design guidelines;
m)	Water reuse feasibility study has been completed to determine non-potable reuse of Stormwater for onsite or shared use;
n)	Economic considerations set by infrastructure feasibility and prioritization studies undertaken at either the local/site or municipal/system level [4].

Footnote:

1. May limit infiltration capabilities if bedrock and groundwater is within 1m of the proposed Facility invert per Table 3.4.1 of the LID Stormwater Planning and Design Guide (2010, V1.0 or most recent by TRCA/CVC). Detailed assessment or studies are required to demonstrate infiltration effects and results may permit relaxation of the minimum 1m offset.
2. Where blasting is more localized, this constraint may not be an issue elsewhere on the property. While infiltration-based practices may be limited in blasted rock areas, other forms of LID, such as filtration, evapotranspiration, etc., are still viable options that should be pursued.
3. Swelling clays are clay soils that is prone to large volume changes (swelling and shrinking) that are directly related to changes in water content.
4. Infrastructure feasibility and prioritization studies should comprehensively assess Stormwater site opportunities and constraints to improve cost effectiveness, environmental performance, and overall benefit to the receivers and the community. The studies include assessing and prioritizing municipal infrastructure for upgrades in a prudent and economically feasible manner.

Appendix B – Stormwater Management Facilities

The following are Stormwater Management Facilities in the Authorized System:

SWF-1101 - OGS Unit, Stormceptor, STC-6000

Asset ID	SWF-1101
Facility Name	Green Island-Sussex Bridge Stormceptor (Model 6000)
Location	North side of Sussex, West side of Green Island, opposite 111 Sussex Latitude 45.4399, Longitude -75.69584
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau River-Rideau Falls
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	2742-5KSKYE
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Underground. Inline. 6,000 imp gal. Manhole MHST- 49262.

SWF-1103 - OGS Unit, Stormceptor, STC-6000

Asset ID	SWF-1103
Facility Name	Cummings Bridge Stormceptor (1-unit) (STC-6000)
Location	250 Rideau Place (Fountain Gate Condominium), between last 2 parking spots on east side Latitude 45.43325, Longitude -75.67223
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River-Rideau Falls
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A

Reference ECA(s)	3-0350-96-006
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	6,000 Imp. Gal. Manhole MHST39514.

SWF-1105 - OGS Unit, Stormceptor, STC-3000

Asset ID	SWF-1105
Facility Name	Plaza Bridge Stormceptor (1-unit)
Location	Plaza Bridge-Confederation Square, Elgin Street, west side, beside bus shelter, near NAC (54 Elgin St.) Latitude 45.42379, Longitude -75.69468
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Rideau Canal
Receiver of discharge	Rideau River
Outlet location	Rideau Canal
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Believed to be part of a larger roadworks project.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	3,000 Imp. Gal. Manhole MHST-38486.

SWF-1106 - OGS Unit, Stormceptor, STC-3000

Asset ID	SWF-1106
Facility Name	Porter's Island Stormceptor (1-unit) (STC-3000)
Location	200 Island Lodge Rd., North end of island, on grass near gazebo; 2 Hanson STC MH covers Latitude 45.43792, Longitude -75.6842
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau River-Rideau Falls
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	0.76 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A

Reference ECA(s)	9082-5Y7PPE
Reference Works as part of treatment train	No
Brief Description	Part of retirement home construction project.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	3,000 Imp gal. Manhole: MHST62812.

SWF-1107 - OGS Unit, Separator, OLMIRT

Asset ID	SWF-1107
Facility Name	Baseline Rd. OLMIRT-1 (1 of 4)
Location	South side of Baseline Road, 75 meters west of Guthrie Street at the beginning of the turning lane. Latitude 45.33861, Longitude -75.7934
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Graham Creek
Receiver of discharge	Graham Creek
Outlet location	Graham Creek
Catchment Area	No Documentation Found
Level of Treatment	50% TSS Removal R-0632
Level of Volume control	10 mm
Design Storm	N/A
Reference ECA(s)	3-0701-96-006
Reference Works as part of treatment train	No
Brief Description	Part of Baseline Road Reconstruction Project (1996)
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Offline manhole inlet retention treatment. Manhole MHST50058, MHST50057

SWF-1108 - OGS Unit, Separator, OLMIRT

Asset ID	SWF-1108
Facility Name	Baseline Rd. OLMIRT-2 (2 of 4)
Location	Southeast corner, Baseline Road and Monterey, 6 meters from edge of road Latitude 45.3371, Longitude -75.79791
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Graham Creek
Receiver of discharge	Graham Creek
Outlet location	Graham Creek
Catchment Area	No Documentation Found
Level of Treatment	50% TSS Removal R-0632
Level of Volume control	10 mm
Design Storm	N/A

Reference ECA(s)	3-0773-96-006
Reference Works as part of treatment train	No
Brief Description	Part of Baseline Road reconstruction project (1996)
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Offline manhole inlet retention treatment Manhole MHST50046, MHST50050

SWF-1109 - OGS Unit, Separator, OLMIRT

Asset ID	SWF-1109
Facility Name	Baseline Rd. OLMIRT-3 (3 of 4)
Location	North side of Baseline Road, west of Monterey Drive, 8 meters from edge of road Latitude 45.33698, Longitude -75.79891
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Graham Creek
Receiver of discharge	Graham Creek
Outlet location	Graham Creek
Catchment Area	No Documentation Found
Level of Treatment	50% TSS Removal R-0632
Level of Volume control	10 mm
Design Storm	N/A
Reference ECA(s)	3-0773-96-006
Reference Works as part of treatment train	No
Brief Description	Part of Baseline Road reconstruction project (1996)
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Offline manhole inlet retention treatment. Manholes MHST50041 & MHST51794

SWF-1110 - OGS Unit, Separator, OLMIRT

Asset ID	SWF-1110
Facility Name	Baseline Rd. OLMIRT-4 (4 of 4)
Location	South side of Baseline Road, west of Sandcastle Drive, beside access path to Brucelands Park. Latitude 45.33489, Longitude -75.80164
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Graham Creek
Receiver of discharge	Graham Creek
Outlet location	Graham Creek
Catchment Area	No Documentation Found
Level of Treatment	50% TSS Removal R-0632
Level of Volume control	10 mm
Design Storm	N/A

Reference ECA(s)	3-0773-96-006
Reference Works as part of treatment train	No
Brief Description	Part of Baseline Road reconstruction project (1996)
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Offline manhole inlet retention treatment

SWF-1119 - SW-UGST, Storage

Asset ID	SWF-1119
Facility Name	Rideau Shore Estates SWF
Location	South of Rideau Shore Estates Subdivision, beside 1977 Prince of Wales Drive Latitude 45.34766, Longitude -75.70164
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	0.57 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:5 Year
Reference ECA(s)	3-0212-89-006
Reference Works as part of treatment train	No
Brief Description	Discharge Rate Maximum = 0.110 m3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	In Prince of Wales Right of way. 1200 mm superpipe between MHST47102 & MHST47101.

SWF-1120 - SW-UGST, Pipe Storage

Asset ID	SWF-1120
Facility Name	Wellsmere Court SWF (Superpipe)
Location	Wellsmere Court at Prince of Wales Drive Latitude 45.33855, Longitude -75.70112
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau Reach 4
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	1.12 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:5 Year, 1:100
Reference ECA(s)	3-1711-91-926

Reference Works as part of treatment train	No
Brief Description	Active Volume = 153 m^3; Discharge Rate Maximum = 0.110 m^3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	1500 mm pipe between MHST51763 & MHST51765.

SWF-1121 - SW-WPND, Wet Pond

Asset ID	SWF-1121
Facility Name	Britannia SWF
Location	Pinecrest Creek at Western Parkway Latitude 45.37335, Longitude -75.7868
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Ottawa Britannia Bay
Receiver of discharge	Ottawa River
Outlet location	Pinecrest Creek
Catchment Area	189 ha
Level of Treatment	Max 80 mg/l TSS Discharge with 4 Allowances per Year
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-1503-94-006
Reference Works as part of treatment train	Yes
Brief Description	Stormwater Wet Pond with 1 inlet structure, one submerged outlet structure; No forebay; No OGS; Designed for Quantity; Normal Volume =4,500m^3; Active Volume = 2,500m^3
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	NCC Land. Phase 1 of 2 phase. Drains area south of Brit. Village.

SWF-1125 - SW-CTRL, Dry Pond

Asset ID	SWF-1125
Facility Name	Valley Stream
Location	South side of Baseline Road, west of Sandcastle Drive, adjacent to SWF-1110. Downstream outlet on north side of Baseline (retaining wall). Valley Stream Village Subdivision, Latitude 45.33493, Longitude -75.80144
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Graham Creek
Receiver of discharge	Graham Creek
Outlet location	Open Ditch
Catchment Area	No Documentation Found

Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Constructed 1996 Ainley, Graham and Associates Limited. Stream inlet plus three linear inlets
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Outlet rebuilt 2018.

SWF-1126 - SW-CTRL, LID

Asset ID	SWF 1126
Facility Name	Splinter Triple Pipe SWF
Location	Opposite 104 Splinter, off Dumaurier. MHs in front of house #90, 78, 45, 66, 36, 2 Splinter 45.34936, -75.79784
Watershed/Subwatershed	Ottawa River
Receiver of Discharge	Local storm sewers, then ultimately to Graham Creek
Outlet Location	Linear storm sewers
Catchment Area	3.2 ha
Level of Treatment	Enhanced
Level of Volume control	15mm 1-hour rainfall event
Design Storm	1:100 year
Reference ECA(s)	3-0417-99-006
Reference Works as part of treatment train	N/A
Brief Description	Etobicoke System comprised of 200mm dia. perforated pipes wrapped with external 270R geotextile fabric, in clear stone trench.
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	N/A

SWF-1127 - SW-WPND, Wet Pond

Asset ID	SWF-1127
Facility Name	Cleopatra SWF
Location	Merivale Industrial Park, in Hydro corridor, behind 162 Cleopatra (Merivale Gardens) Latitude 45.33082, Longitude -75.72924
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear

Catchment Area	305 ha
Level of Treatment	24-hour detention
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-1153-82-836
Sediment Disposal Area (m/2)	None
Reference Works as part of treatment train	Yes, with SWF-1129 and SWF-1128 and SWF-1129
Brief Description	Stormwater Wet Pond with 2 inlet structures; No forebay; No OGS; Designed for Quantity; Normal Water Level = 85.32mm; Normal Volume =6,600m^3; Active Volume = 19,200m^3; Detention Time = 72 Hours
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Under Hydro 8Ft inlet pipe (NCC). 200-300mm discharge with gate wheel and concrete headwall to Nepean Creek. Facility Fenced. CofA includes SWF-1128

SWF-1128 - SW-WPND, Wet Pond

Asset ID	SWF-1128
Facility Name	Nepean Creek SWF
Location	1930 Prince of Wales Drive, at Nepean Creek Latitude 45.35067, Longitude -75.70458
Watershed/Sub watershed	Rideau, Lower Rideau River, Nepean Creek
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	991 ha
Level of Treatment	(Level 2) Normal Minimum 70% efficiency TSS removal during beach season. Effluent not to exceed 25 mg/L TSS, 600 counts/100 mL E. coli
Level of Volume control	16 m^3/s release 1:5 storm event, 26 m^3/s 1:100 storm event.
Design Storm	1:5 year, 1:100 yea
Reference ECA(s)	5848-5DDHQU
Reference Works as part of treatment train	Yes, with SWF-1148 and SWF-1129
Brief Description	Stormwater Wet Pond with 2 inlet structures; 3 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 85.366mm; Normal Volume =61,300m^3; Active Volume = 137,020m^3; Discharge Rate = 16 m^3/s; Discharge Rate Maximum = 26 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (M/2)	2,000
Notes / Additional Information	3 individual cells. Monitoring sheds (4), sediment fore bay, influent weir, pond, plunge pool, creek. Replaced rock

	protection downside of weirs. Main Cell cleaned 2016. Planned sediment management on site. Access issues for O&M. 4Xpower, samplers, flow meters O&M Manual. CofA includes SWF-1127. Not located within industrial or commercial land

SWF-1129 - SW-UGST, Pipe Storage

Asset ID	SWF-1129
Facility Name	Colonnade MTSS Chamber
Location	Opposite 1977 Prince of Wales Drive, west side, near Colonnade Road (Merivale Trunk Storm Sewer) Latitude 45.34737, Longitude -75.7021
Watershed/Sub watershed	Rideau River, Rideau River, Nepean Creek
Receiver of discharge	Rideau River
Outlet location	SWF-1128
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-1488-74-756
Reference Works as part of treatment train	N/A
Brief Description	Control structure in a 3048 mm storm pipe
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1132 - SW-DPND, Dry Pond

Asset ID	SWF-1132
Facility Name	Gilbey Park SWF
Location	Beside 19 Gilbey Drive, between Gilbey Drive and Leaver, Latitude 45.35981, Longitude -75.73291
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Rideau Canal
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	31 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1751-6GEQM3
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume =

	17,300 m^3; Discharge Rate Maximum = 0.113m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	2 cells. Unmaintained, unused sports field in pond Storm sewer overflows during high flows. 3 pipes connecting cells. Weir plate

SWF-1133 - SW-WPND, Wet Pond

Asset ID	SWF-1133
Facility Name	Central Park SWF
Location	Opposite 83 Central Park Drive, Central Park Drive at Whitestone Drive Latitude 45.36872, Longitude -75.73616
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Rideau Canal
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	57 ha
Level of Treatment	31.3 Hour detention
Level of Volume control	10mm event
Design Storm	N/A
Reference ECA(s)	3-0385-99-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 94.67mm; Normal Volume =2,634m^3; Active Volume = 2031m3; Discharge Rate = 12.5 m^3/s; Discharge Rate Maximum = 16.7 m^3/s; Detention Time = 31.3 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Asphalt fore bay, Fore bay and wet cell. Monitoring shed. Make up water well to keep pond full in dry spell and for fountain. Manual valves in roadway. Seasonal operation only.

SWF-1134 - SW-WPND, Wet Pond

Asset ID	SWF-1134
Facility Name	Hunt Club - Graham Creek SWF
Location	South side of Hunt Club Road at Graham Creek Latitude 45.31774, Longitude -75.78724
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Graham Creek
Receiver of discharge	Graham Creek
Outlet location	Graham Creek

Catchment Area	8.1 ha
Level of Treatment	24-hour detention
Level of Volume control	25mm event
Design Storm	N/A
Reference ECA(s)	3-0792-94-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with No OGS; Active Volume = 1,609 m^3; Discharge Rate Maximum = 0.0075 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Fore bay separating weir. Clear stone wall surrounding Hickenbottom Riser. 20Ft depth. Seasonal operation.

SWF-1135 - SW-WPND, Wet Pond

Asset ID	SWF-1135
Facility Name	Bentley SWF
Location	Beside 151 Bentley at end of road. (Lot 28, Conc. A, Rideau Front) Latitude 45.33779, Longitude -75.7084
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	21 ha
Level of Treatment	24-hour detention
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-0979-80-006
Reference Works as part of treatment train	Yes
Brief Description	Stormwater Wet Pond with 1 inlet structure; No forebay; No OGS; Designed for Quantity; Normal Water Level = 84.24mm; Normal Volume =1,670m^3; Active Volume = 4,100m^3; Detention Time = 24 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	1,000
Notes / Additional Information	Outlet sluice gate replaced 2022

SWF-1137 - OGS Unit, Stormceptor, STC-6000

Asset ID	SWF-1137

Facility Name	Moffat Farm Stormceptor (STC- 6000)
Location	Moffat Farm Subdivision Latitude 45.359, Longitude -75.69465
Watershed/Sub watershed	Rideau River, Lower Rideau River, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	SWF-1138
Catchment Area	34 ha
Level of Treatment	(Level 3) Basic 60% TSS Removal
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	1108-64ENJ3
Reference Works as part of treatment train	Yes, with SWF-1138
Brief Description	Active Volume = 26.945 m^3; Discharge Rate Maximum = 70 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	6,000 imp gal. Pretreatment to biofilters. Manhole MHST-45415. Max Sediment Trigger: 425 mm; Chamber Depth: 8.16m; Sediment Storage Trigger: 4.466 m^3; Oil Spill Capacity: 3.93 m^3

SWF-1138 - SW-INFL, Infiltration

Asset ID	SWF-1138
Facility Name	Moffat Farm Bioretention SWF
Location	Moffat Farm Subdivision Latitude 45.35817, Longitude -75.69402
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	34 ha
Level of Treatment	(Level 1) Enhanced, 80% TSS Removal. Less than 100 EC/100 ml Discharge Limited to 4 Overflows per Season
Level of Volume control	25 mm
Design Storm	N/A
Reference ECA(s)	1108-64ENJ3
Reference Works as part of treatment train	Yes, with SWF-1137
Brief Description	Active Volume = 2,030 m^3; Discharge Rate Maximum = 0.658 m^3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Engineered soil. Perf pipe under drain.

SWF-1139 - SW-WPND, Wet Pond

Asset ID	SWF-1139

Facility Name	Lebreton Flats, Northeast Pond
Location	Lebreton Flats, northeast corner Latitude 45.41857, Longitude -75.71336
Watershed/Sub watershed	Ottawa River, Ottawa Centre, City Core Centre
Receiver of discharge	Ottawa River
Outlet location	Ottawa River
Catchment Area	13.37 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3232-5R2TP9
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 51.3mm; Normal Volume =1,900m^3; Active Volume = 1,200m^3; Discharge Rate Maximum = 1.7 m^3/s; Detention Time = 24 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	NCC Land. Orifice plate discharge. Discharges near Old Mill Restaurant.

SWF-1140 - OGS Unit, Stormceptor, STC-3000

Asset ID	SWF-1140
Facility Name	Lebreton Flats, Fleet Street Stormceptor (STC-3000)
Location	Past west end of Fleet Street, north of Pumping Station, Lot 40 Conc.A; 0.5m from south side of sidewalk, out from hydro meter. (3.5m to eye of fish catch basin, 10.2m to sanitary sewer on opposite side of path, 6.6 to other MH), Latitude 45.41661, Longitude -75.71128
Watershed/Sub watershed	Ottawa River, Ottawa Centre, City Core Centre
Receiver of discharge	Ottawa River
Outlet location	Fleet Street Canal Race
Catchment Area	0.34 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	7369-5VVHZ7
Reference Works as part of treatment train	No
Brief Description	Stormceptor STC-3000
Receive Emergency Sanitary Overflows	No
Notes / Additional	Discharges to tail race. 3000 imp gal. STC-3000

Information	

SWF-1142 - SW-DPND, Dry Pond

Asset ID	SWF-1142
Facility Name	Britannia Dry Pond #1 West
Location	Off pathway west of parkway on NCC land Latitude 45.3712, Longitude -75.7868
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Ottawa Britannia Bay
Receiver of discharge	Pinecrest Creek
Outlet location	Pinecrest Creek
Catchment Area	189 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-1503-94-006
Reference Works as part of treatment train	Yes, with SWF-1121 and SWF-1143
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 6,138 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Catch basin. Spillway. Depression in the long grass. Outlet OUT10475

SWF-1143 - SW-DPND, Dry Pond

Asset ID	SWF-1143
Facility Name	Britannia Dry Pond #2 East
Location	Off pathway west of parkway on NCC land Latitude 45.3712, Longitude -75.7868
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Ottawa Britannia Bay
Receiver of discharge	Pinecrest Creek
Outlet location	Pinecrest Creek
Catchment Area	189 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-1503-94-006
Reference Works as part of treatment train	Yes, with SWF-1121 and SWF-1143
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 4,677 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Catch basin. Spillway. Depression in the long grass. Outlet OUT10434

SWF-1148 - SW-CTRL, Diversion Structure

Asset ID	SWF-1148
Facility Name	MTSS SW Diversion Structure
Location	Directly under wooden phone and hydro lines, opposite 100 Colonnade, Latitude: 45.34692, Longitude: -75.70533
Watershed/Sub watershed	Rideau, Lower Rideau River, Nepean Creek
Receiver of discharge	N/A
Outlet location	Rideau River
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	5848-5DDHQU
Reference Works as part of treatment train	N/A
Brief Description	Control structure in 3048 mm stormwater pipe. 915 mm sluice gate, v-notch weir and overflow weir
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1156 - OGS Unit, Vortech, VT-11000

Asset ID	SWF-1156
Facility Name	Greystone Village Outlet-1 Vortech (Model 11000)
Location	End of Telmon Street at corner. Outlet-1 Latitude 45.40829, Longitude -75.673
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau River-Rideau Falls
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	7.2 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	8946-ACUP7W
Reference Works as part of treatment train	No
Brief Description	Vortech 11000
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	End of Telmon Street at corner. Outlet-1

SWF-1157 - OGS Unit, Vortech, VT-5000

Asset ID	SWF-1157
Facility Name	Greystone Village Outlet-2 Vortech (Model 5000)
Location	End of Oblates Avenue. Outlet-2 Latitude 45.41097, Longitude -75.67357
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau River-Rideau Falls
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	2.9 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	8946-ACUP7W
Reference Works as part of treatment train	No
Brief Description	Vortech 5000
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	End of Oblates Avenue. Outlet-2

SWF-1159 - SW-CTRL, LID

Asset ID	SWF-1159
Facility Name	Sunnyside Ave LID
Location	Sunnyside Ave at Grosvenor, Leonard and Roslyn Latitude 45.39327, Longitude -75.68573
Watershed/Sub watershed	Rideau, Lower Rideau River, Rideau River-Falls
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	0.464 ha
Level of Treatment	Roslyn (48.2 m/3), Leonard (47 m/3), Grosvenor (57 m/3)
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7435-9RQTT2
Reference Works as part of treatment train	No
Brief Description	Infiltration Rate = 15 mm/hr.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Biomedia, 3 cells

SWF-1160 - SW-CTRL, LID

Asset ID	SWF-1160
Facility Name	Stewart LID
Location	Stewart between King Edward and Friel Latitude 45.42826, Longitude -75.68102
Watershed/Sub watershed	Rideau River, Lower Rideau River, Rideau River-Falls
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	2.4 ha
Level of Treatment	N/A
Level of Volume control	177 m/3
Design Storm	1:100 Year
Reference ECA(s)	1382-AHNUJG
Reference Works as part of treatment train	No
Brief Description	Infiltration Rate = 15 mm/hr.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Biomedia and native sand layers, 27 bioretention areas

SWF-1161 - SW-CTRL, LID

Asset ID	SWF-1161
Facility Name	Hemmingwood LID
Location	Hemmingwood Way between Centreponte Drive and Centrepointe Drive Latitude 45.34637, Longitude -75.76616
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Ottawa Centre
Receiver of discharge	Linear
Outlet location	Graham Creek
Catchment Area	1.26 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	48.8 m/3
Design Storm	1:5 Year
Reference ECA(s)	1976-AYUQQ4
Reference Works as part of treatment train	N/A
Brief Description	Part of Old Richmond Road reconstruction
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1162 - OGS Unit, Vortech, VT-5000

Asset ID	SWF-1162
Facility Name	West Hunt Club Vortech
Location	West Hunt Club Road and Moodie Drive Latitude 45.30495, Longitude -75.82137
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Ottawa Centre
Receiver of discharge	Stillwater Creek
Outlet location	Wetlands
Catchment Area	1.16 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7977-B44SYC
Reference Works as part of treatment train	N/A
Brief Description	Part of Old Richmond Road reconstruction
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Treatment rate 222 L/s

SWF-1163 - SW-DPND, Dry Pond

Asset ID	SWF-1163
Facility Name	Plouffe Park Dry Pond
Location	930 Somerset Street West Latitude 45.40711, Longitude -75.71422
Watershed/Sub watershed	Ottawa River, Ottawa Centre, City Core Center
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	70 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:50 Year
Reference ECA(s)	5421-7EMPZ6
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond in park with No OGS; Active Volume = 1,660 m^3; Discharge Rate Maximum = 0.100 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Dry pond with 1,172 m/3 capacity. Receives overland flow

SWF-1166 - SW-CTRL, LID

Asset ID	SWF-1166
Facility Name	Senio Avenue LID
Location	Senio Avenue, Latitude: 45.36176, Longitude: -75.70207
Watershed/Sub watershed	Rideau River
Receiver of discharge	Linear
Outlet location	N/A
Catchment Area	0.879 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	25 mm
Reference ECA(s)	7570-BP4SUB
Reference Works as part of treatment train	N/A
Brief Description	8 bioretention cells on Senio Avenue
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Part of Senio Road reconstruction

SWF-1201 - OGS Unit, Stormceptor, STC-6000

Asset ID	SWF-1201
Facility Name	March Road Stormceptors (2-units in parallel) (Model 6000)
Location	March Road, north of Solandt Road at Shirley's Brook, Latitude 45.34398, Longitude -75.91834
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Unnamed Creek
Catchment Area	N/A
Level of Treatment	Max 80 mg/l TSS Discharge
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0836-97-006
Reference Works as part of treatment train	No
Brief Description	2 OGS units with a flow splitter
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	2 STC 6000 Imp gal in parallel. Site location problem due to 80Km roadway book 7 TL-26. Manholes MHST-46025 & MHST-46027.

SWF-1202 - SW-INFL, Infiltration

Asset ID	SWF-1202
Facility Name	Herzberg Biofilter
Location	101 Herzberg Road, Pinewood Orchards Latitude 45.33378, Longitude -75.89221
Watershed/Sub watershed	Ottawa River, Ottawa West, Kizell Drain/Watts Creek
Receiver of discharge	Ottawa River
Outlet location	Open Ditch
Catchment Area	8.12 ha
Level of Treatment	Max 80 mg/l TSS Discharge
Level of Volume control	21.6 l/s
Design Storm	1:100 year
Reference ECA(s)	3-0418-96-006
Reference Works as part of treatment train	No
Brief Description	Discharge Rate Maximum = 21.6 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Biofilter through sand to perforated pipes and back into creek.

SWF-1203 - SW-INFL, Infiltration

Asset ID	SWF-1203
Facility Name	Corkstown Biofilter
Location	Corkstown Road at March Road, southeast corner Latitude 45.32642, Longitude -75.88808
Watershed/Sub watershed	Ottawa River, Ottawa West, Ottawa West
Receiver of discharge	Watts Creek
Outlet location	Watts Creek
Catchment Area	2.82 ha
Level of Treatment	Max 80 mg/l TSS Discharge
Level of Volume control	22.1
Design Storm	1:100 year
Reference ECA(s)	3-0418-96-006
Reference Works as part of treatment train	No
Brief Description	Discharge Rate Maximum = 21.6 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Biofilter through sand to perforated pipes and back into creek.

SWF-1204 - SW-WPND, Wet Pond

Asset ID	SWF-1204
Facility Name	Mitel Pond (Phase-IV UPPER)
Location	East end of parking lot, opposite Mitel Phase-IV Building, 350 Legget Drive, entry by pedestrian crossing Latitude 45.34256, Longitude -75.90726
Watershed/Sub watershed	Ottawa River, Ottawa West, Kizell Drain/Watts Creek
Receiver of discharge	Watt's Creek
Outlet location	Open Channel
Catchment Area	23.1 ha
Level of Treatment	(Level 1) 80% TSS removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0372-96-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity; Normal Water Level = 75.6mm; Normal Volume =1,730m^3; Active Volume = 2624m3; Discharge Rate Maximum = 0.963 m^3/s
Receive Emergency Sanitary Overflows	No
Swdiment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1205 - SW-WPND, Wet Pond

Asset ID	SWF-1205
Facility Name	Village Green SWF
Location	End of Colchester Square, beside 78 Birkendale Drive, north of Hwy-417 Latitude 45.32026, Longitude -75.88853
Watershed/Sub watershed	Ottawa River, Ottawa West, Kizell Drain/Watts Creek
Receiver of discharge	Watt's Creek
Outlet location	Watts Creek
Catchment Area	38 ha
Level of Treatment	72-hour detention.TSS discharge not to exceed 80 mg/L
Level of Volume control	10 mm
Design Storm	10 mm
Reference ECA(s)	3-1181-96-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity; Normal Water Level = 89mm;

	Normal Volume =1,300m^3; Active Volume = 11,500m^3; Discharge Rate Maximum = 5.15 m^3/s; Detention Time = 72 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	2,800
Notes / Additional Information	N/A

SWF-1206 - SW-WPND, Wet Pond

Asset ID	SWF-1206
Facility Name	Kanata Town Centre SWF
Location	At pedestrian overpass, Kanata Town Centre Lands, north of Hwy-417, south of intersection Knudson Drive & Campeau Drive Latitude 45.3151, Longitude -75.89717
Watershed/Sub watershed	Ottawa River, Ottawa West, Kizell Drain/Watts Creek
Receiver of discharge	Watt's Creek
Outlet location	Watts Creek
Catchment Area	61 ha
Level of Treatment	72-hour detention.
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0088-99-008
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Volume =5,949m^3; Active Volume = 2,758m^3; Discharge Rate Maximum = 1.4 m^3/s; Detention Time = 72 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1207 - SW-WPND, Wet Pond

Asset ID	SWF-1207
Facility Name	Insmill Park Pond
Location	Signature Ridge Subdivision, adjacent to Terry Fox Drive on east side, south of Signature Centre Shopping Mall, Latitude 45.31011, Longitude -75.92665
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River

Outlet location	Carp River
Catchment Area	82.2 ha
Level of Treatment	78-hour detention.
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-1250-92-987
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity; Normal Water Level = 93.2mm; Normal Volume =9,906m^3; Active Volume = 4,500m^3; Discharge Rate = 0.64 m^3/s; Discharge Rate Maximum = 1.31 m^3/s; Detention Time = 78 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1208 - SW-WPND, Wet Pond

Asset ID	SWF-1208
Facility Name	Didsbury SWF
Location	West of Signature Ridge Sanitary Pump Station, 395 Didsbury Road at Terry Fox Drive Latitude 45.30829, Longitude -75.92417
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Carp River
Catchment Area	30.4 ha
Level of Treatment	72-hour detention
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-1095-94-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity; Normal Water Level = 92.3mm; Normal Volume =2,400m^3; Active Volume = 4,000m^3; Discharge Rate Maximum = 0.05m^3/s
Receive Emergency Sanitary Overflows	Yes. Overflow from Signature Ridge Pumping Station.
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Cleaned and outlet rebuilt 2015

SWF-1209 - SW-WPND, Wet Pond

Asset ID	SWF-1209
Facility Name	Terry Fox - Pond-1
Location	Terry Fox Drive, north of Richardson Side Road; Broughton Lands Latitude 45.31124, Longitude -75.93361
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Carp River
Catchment Area	17.98 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	8546-8FDKTX
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 3 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 93.5mm; Normal Volume =2,351m^3; Active Volume = 5,260m^3; Discharge Rate = 0.51 m^3/s; Discharge Rate Maximum = 1.7 m^3/s; Detention Time = 30 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	440
Notes / Additional Information	N/A

SWF-1210 - SW-DPND, Dry Pond

Asset ID	SWF-1210
Facility Name	Stonewalk Dry Pond
Location	200 Stonewalk Way 45.33751, -76.15500
Watershed/Subwatershed	Ottawa, Carp
Receiver of Discharge	Carp
Outlet Location	Ditch
Catchment Area	16.03 ha
Level of Treatment	
Level of Volume Control	2,482 M/3
Design Storm	1:100
Reference ECA(s)	7618-8BXKS
Reference Works as part of Treatment Train	No
Brief Description	Dry Pond, culvert inlet,
Receive Emergency Sanitary Overflows?	No

Notes / Additional Information	112 l/s max discharge

SWF-1211 - SW-WPND, Wet Pond

Asset ID	SWF-1211
Facility Name	Kanata Beaverpond
Location	End of Walden Road, north of Kimmins Court Latitude 45.33267, Longitude -75.91774
Watershed/Sub watershed	Ottawa River, Ottawa West, Kizell Drain/Watts Creek
Receiver of discharge	Watts Creek
Outlet location	Open Channel
Catchment Area	397 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5190-7L6RRY
Reference Works as part of treatment train	Yes, with SWF-1237, SWF-1212, SWF-1274
Brief Description	Stormwater Wet Pond with 3 inlet structures; 1 forebay; 2OGSS; Designed for Quantity/Quality; Normal Water Level = 90.47mm; Normal Volume =41,042m^3; Active Volume = 236,696m^3; Discharge Rate Maximum = 0.96 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1212 - SW-DPND, Forebay

Asset ID	SWF-1212
Facility Name	Kanata Beaverpond (Walden Forebay)
Location	Beside 35 Cecil Walden Ridge Latitude 45.33047, Longitude -75.92432
Watershed/Sub watershed	Mississippi Valley, Ottawa West, Kizell Drain/Watts Creek
Receiver of discharge	Ottawa River
Outlet location	SWF-1211
Catchment Area	47.5 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:5 year
Reference ECA(s)	3-0697-99-006
Reference Works as part of treatment train	Yes, with SWF-1211
Brief Description	No OGS; Discharge Rate Maximum = 3.60 m^3/s; No tile drainage

Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1213 - SW-WPND, Wet Pond

Asset ID	SWF-1213
Facility Name	Riddell Village Duck Ponds
Location	Riddell Village Subdivision, off 4th Line Lot 11, Conc 5, Latitude 45.3666, Longitude -75.913
Watershed/Sub watershed	Ottawa River, Ottawa West, Ottawa Shirley's Bay
Receiver of discharge	Ottawa River
Outlet location	Open Channel
Catchment Area	145.3 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:5 Year
Reference ECA(s)	3240-956M8M
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 63.5mm; Normal Volume =30,000m^3; Active Volume = 47,000m^3; Discharge Rate Maximum = 7.6 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	DND Land.

SWF-1215 - SW-WPND, Wet Pond

Asset ID	SWF-1215
Facility Name	Shirley's Brook SWF
Location	36 Inverary Drive, behind houses Latitude 45.35364, Longitude -75.92688
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Shirley's Brook
Catchment Area	16 ha
Level of Treatment	Max discharge 80 mg/l TSS
Level of Volume control	N/A
Design Storm	N/A

Reference ECA(s)	0119-5ZZRG2
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 2 forebays; No OGS; Designed for Quantity; Normal Water Level = 72.8mm; Normal Volume =3,040m^3; Active Volume = 1,900m^3; Discharge Rate Maximum = 1 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	No outlet controls

SWF-1217 - SW-DPND, Dry Pond

Asset ID	SWF-1217
Facility Name	Pri-Tec SWF
Location	Pri-Tec Industrial Park, beside 112 John Cavanaugh Drive and behind 2171 McGee Side Road Latitude 45.31532, Longitude -75.99757
Watershed/Sub watershed	Ottawa River, Carp, Carp Mid 3
Receiver of discharge	Carp River
Outlet location	Linear to Ditch
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Receives both overland flow and road drainage

SWF-1218 - SW-DPND, Dry Pond

Asset ID	SWF-1218
Facility Name	Spruce Woods STF
Location	Between 1797 & 1789 Corkery Road Latitude 45.28726, Longitude –76.11596
Watershed/Sub watershed	Ottawa River, Carp, Cody Creek
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	60 ha

Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3089-63SJJR
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,467 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1219 - SW-DPND, Dry Pond

Asset ID	SWF-1219
Facility Name	Kerscott Gate Subdivision (Quantity)
Location	Kerscott Gate Subdivision, northeast of Dunrobin. Behind properties at end of Lady Jennifer Way (north side of road), off Greenland Rd, north of Vance's Side Rd. Latitude 45.474701, Longitude -76.030293
Watershed/Sub watershed	Ottawa River, Ottawa West, Ottawa West - Constance Bay
Receiver of discharge	Constance Creek
Outlet location	Open Ditch
Catchment Area	7.3 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	600 mm csp outlet

SWF-1221 - SW-WPND, Wet Pond

Asset ID	SWF-1221
Facility Name	Glencastle-G1 Wet Pond
Location	East side of Langstaff Drive, north of Cavanaugh Drive, upstream of Glencastle-G2, behind 105 Cavanaugh Drive, Part Lot 18, Conc. 2 (Carp-Rivington) Latitude 45.34715, Longitude -76.03285
Watershed/Sub watershed	Ottawa River, Carp River, Carp Mid 3
Receiver of discharge	Carp River

Outlet location	SWF-1222
Catchment Area	35.9 ha
Level of Treatment	(Level 2) Normal Treatment
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	8260-5LJQH5
Reference Works as part of treatment train	Yes, with SWF-1222, SWF-1223, SWF-1224
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity; Normal Water Level = 104mm; Normal Volume =930m^3; Active Volume = 1,940m^3; Discharge Rate = 0.02 m^3/s; Discharge Rate Maximum = 2.7 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1223 - SW-DPND, Dry Pond

Asset ID	SWF-1223
Facility Name	Glencastle-G3 Flow Control Structure
Location	West side of Langstaff Drive, north of Cavanaugh, downstream of Glencastle-G2, 130 meters south of Langstaff Drive, in ravine Latitude 45.3462, Longitude -76.0343
Watershed/Sub watershed	Ottawa River, Carp River, Carp Mid 3
Receiver of discharge	Carp River
Outlet location	SWF-1224
Catchment Area	With SWF-1221
Level of Treatment	(Level 2) Normal Treatment
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	8260-5LJQH5
Reference Works as part of treatment train	Yes, with SWF-1222, SWF-1221, SWF-1224
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,855 m^3; Discharge Rate Maximum = 3.7 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Rock berm in creek for in creek storage

SWF-1224 - SW-DPND, Dry Pond

Asset ID	SWF-1224
Facility Name	Glencastle-G4 Flow Control Structure

Location	West side of Langstaff Drive, north of Cavanaugh, downstream of Glencastle-G3, 285 meters south of Langstaff Drive, in ravine, or behind 390/396 Donald B. Munro Parkway Latitude 45.34495, Longitude -76.0335
Watershed/Sub watershed	Ottawa River, Carp River, Carp Mid 3
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	With SWF-1221
Level of Treatment	(Level 2) Normal Treatment
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	8260-5LJQH5
Reference Works as part of treatment train	Yes, with SWF-1222, SWF-1223, SWF-1221
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3,298 m^3; Discharge Rate Maximum = 2.9 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Rock berm in creek for in creek storage

SWF-1225 - SW-DPND, Dry Pond

Asset ID	SWF-1225
Facility Name	Juanita SWF
Location	Northeast corner Juanita Avenue at Langstaff Latitude 45.35153, Longitude -76.03779
Watershed/Sub watershed	Ottawa River, Carp River, Carp Mid 3
Receiver of discharge	Carp River
Outlet location	Linear
Catchment Area	11.8 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	2532-5C6N6
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 2,094 m^3; Discharge Rate Maximum = 0.37 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1227 - SW-WPND, Wet Pond

Asset ID	SWF-1227

Facility Name	Morgan's Grant SWF
Location	Southwest corner, March Road at Old Carp Road Latitude 45.35799, Longitude -75.93679
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Linear to Open Ditch
Catchment Area	105.2 ha
Level of Treatment	(Level 2) Normal , 70% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	8692-54QSUG
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 78mm; Normal Volume =10,250m^3; Active Volume = 13,000m^3; Discharge Rate Maximum = 5.4m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	550
Notes / Additional Information	Outlet headwall 886 March Road

SWF-1228 - SW-WPND, Wet Pond

Asset ID	SWF-1228
Facility Name	Morgan's Grant - Statewood
Location	Morgan's Grant 10A (CCL) Wet Pond, Shirleys Brook. Along Terry Fox Dr. at Statewood Dr., east of Second Line Rd. Latitude 45.34283, Longitude -75.93514
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Linear
Catchment Area	44.84 ha
Level of Treatment	(Level 2) Normal Level
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	2018-A4UKL9
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 4 inlet structures; 2 forebays; No OGS; Designed for Quantity/Quality; Normal Volume =9,300m^3; Active Volume = 11,520m^3; Discharge Rate Maximum = 1.2 m^3/s
Receive Emergency Sanitary Overflows	No

Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1229 - SW-DPND, Dry Pond

Asset ID	SWF-1229
Facility Name	Morgan's Grant Phase 10A - Dry Pond #1
Location	Morgan's Grant 10A, Shirleys Brook. Hydro corridor, north side of Brady Ave. Catch basin outlet. Latitude 45.34708, Longitude -75.94119
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7355-6M4TMP
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 506 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Shallow depression in hydro easement for quantity control.

SWF-1230 - SW-DPND, Dry Pond

Asset ID	SWF-1230
Facility Name	Morgan's Grant Phase 10A - Dry Pond #2
Location	Morgan's Grant 10A, Shirleys Brook. Hydro corridor, south side of Brady Ave. Catch basin outlet. Latitude 45.34558, Longitude -75.93856
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7355-6M4TMP
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 833 m^3;

	No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Shallow depression in hydro easement for quantity control.

SWF-1231 - SW-DPND, Dry Pond

Asset ID	SWF-1231
Facility Name	Morgan's Grant Phase 10A - Dry Pond #3
Location	Morgan's Grant 10A, Shirleys Brook. Hydro corridor, south side of Brady Ave. Catch basin outlet. Latitude 45.34533, Longitude -75.93812
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7355-6M4TMP
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 855 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Shallow depression in hydro easement for quantity control.

SWF-1232 - SW-DPND, Dry Pond

Asset ID	SWF-1232
Facility Name	Morgan's Grant Phase 10A - Dry Pond #4
Location	Morgan's Grant 10A, Shirleys Brook. Just north of Pond #5 in hydro corridor between Terry Fox Dr. and Brady Ave., Latitude 45.34425, Longitude -75.93604
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7355-6M4TMP
Reference Works as part of treatment train	No

Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,198 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Shallow depression in hydro easement for quantity control.

SWF-1233 - SW-DPND, Dry Pond

Asset ID	SWF-1233
Facility Name	Morgan's Grant Phase 10A - Dry Pond #5
Location	Morgan's Grant 10A, Shirleys Brook. Hydro corridor along Terry Fox Dr., west of Innovation Dr., east of Second Line Rd. Catch basin outlet. Latitude 45.34361, Longitude -75.9344
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirley's Brook
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7355-6M4TMP
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,302 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Shallow depression in hydro easement for quantity control.

SWF-1234 - SW-WPND, Wet Pond

Asset ID	SWF-1234
Facility Name	Brookside Pond-C SWF
Location	Southwest corner of March Valley and Klondike, east side of Shirley's Brook. The inlet comes down Klondike Road. Constructed: 2006 Latitude 45.3639, Longitude -75.92065
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirleys Brook
Outlet location	Shirley's Brook
Catchment Area	26.2 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3603-6XAVNJ

Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 66.05mm; Normal Volume =4,370m^3; Active Volume = 7,692m^3; Discharge Rate Maximum = 0.488 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Includes Dry Cell

SWF-1235 - SW-WPND, Wet Pond

Asset ID	SWF-1235
Facility Name	Brookside Pond-D SWF
Location	North of the corner of March Valley and Klondike, west side of Shirley's Brook. An inlet comes down near the forest. Constructed: 2006 Latitude 45.36499, Longitude -75.9225
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirleys Brook
Outlet location	Shirley's Brook
Catchment Area	26.2 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3603-6XAVNJ
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 66.05mm; Normal Volume =4,330m^3; Active Volume = 7,237m^3; Discharge Rate Maximum = 0.488 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Includes Dry Cell

SWF-1236 - SW-WPND, Wet Pond

Asset ID	SWF-1236
Facility Name	March House - Shirley's Brook
Location	March at Klondike behind March House Latitude 45.35599, Longitude -75.9322
Watershed/Sub watershed	Ottawa River, Ottawa West, Shirleys Brook
Receiver of discharge	Shirleys Brook
Outlet location	Shirley's Brook

Catchment Area	17.9 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	6115-9BQQNP
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 73mm; Normal Volume =1,880m^3; Active Volume = 7,450m^3; Discharge Rate = 0.015 m^3/s; Discharge Rate Maximum = 3.8 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Tile drainage around the perimeter of the facility

SWF-1237 - SW-CTRL, Forebay

Asset ID	SWF-1237
Facility Name	Kizell Forebay and Energy Dissipator
Location	(KNL-5 Area) Near intersection Doyan Ave at Katnick Way Latitude 45.32508, Longitude -75.93442
Watershed/Sub watershed	Ottawa River, Ottawa West, Kizell Drain/Watts Creek
Receiver of discharge	Watts Creek
Outlet location	Kizell Drain
Catchment Area	60.9 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	5190-7L6RRY
Reference Works as part of treatment train	N/A
Brief Description	1 inlet structure; 1 forebay; No OGS; Designed for Quantity; Normal Water Level = 94.1mm; Normal Volume =135m^3; Active Volume = 900m^3
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Works as a forebay to the Kizell Cell

SWF-1240 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1240
Facility Name	Terry Fox - Vortech-1 (Model 7000)
Location	West side of Terry Fox Extension South of Richardson Side Rd, opposite and north of Tillsenburg, approx. halfway

	between Richardson and Kanata, ~30m north of fish habitat inlet (Terry Fox -- Pond 2 formerly SWF-1210 became Vortech SWF-1240) Latitude 45.3125, Longitude -75.93551
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	5.34 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	8546-8FDKTX
Reference Works as part of treatment train	No
Brief Description	Vortech Model 7000
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 1 Model 7000

SWF-1241 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1241
Facility Name	Terry Fox - Vortech-2 (Model 7000)
Location	West side of Terry Fox Extension ~20-30m NORTH of Richardson Side Rd Latitude 45.31424, Longitude -75.93928
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	0.91 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	1129-86WMXK
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 2 Model 7000

SWF-1242 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1242
Facility Name	Terry Fox - Vortech-3 (Model 7000)
Location	West side of Terry Fox Extension NORTH of Richardson

	Side Rd, 7th hydro pole north of intersection (1m south of hydro pole X45904) Latitude 45.31565, Longitude -75.94162
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	0.91 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	1129-86WMXK
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 3 Model 7000

SWF-1243 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1243
Facility Name	Terry Fox - Vortech-4 (Model 7000)
Location	West side of Terry Fox Extension NORTH of Richardson Side Rd, 10m north of hydro pole X45908, in line with hydro poles Latitude 45.31707, Longitude -75.94392
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	0.91 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	1129-86WMXK
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 4 Model 7000

SWF-1244 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1244
Facility Name	Terry Fox - Vortech-5 (Model 7000)
Location	West side of Terry Fox Extension North of Richardson Side

	Rd, 10m south of hydro pole X45913 Latitude 45.3186, Longitude -75.94612
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	0.91 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	1129-86WMXK
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 5 Model 7000

SWF-1245 - OGS Unit, Vortech, PC1319

Asset ID	SWF-1245
Facility Name	Terry Fox - Vortech-6 (Model PC1319)
Location	West side of Terry Fox Extension North of Richardson Side Rd, 0.2km north of Vortech-5, 5m north of hydro pole X45919 Latitude 45.32065, Longitude -75.94851
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	3.33 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	1129-86WMXK
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 6 PC 1319

SWF-1246 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1246
Facility Name	Terry Fox - Vortech-7 (Model 7000)
Location	South side of Terry Fox Extension on sidewalk WEST of Second Line Rd, 1.1km from Vortech-6

	Latitude 45.32996, Longitude -75.95026
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	1.21 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	9785-87LJC7
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 7 Model 7000

SWF-1247 - OGS Unit, Vortech, VT-2000

Asset ID	SWF-1247
Facility Name	Terry Fox - Vortech-8A (Model 2000)
Location	South side of Terry Fox Extension on sidewalk WEST of Second Line Rd, 0.15km from Vortech-7 Latitude 45.33101, Longitude -75.94995
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	0.23 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	9785-87LJC7
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 8a Model 2000

SWF-1248 - OGS Unit, Vortech, VT-2000

Asset ID	SWF-1248
Facility Name	Terry Fox - Vortech-8B (Model 2000)
Location	South side of Terry Fox Extension on sidewalk West of Second Line Rd, 50m west of railway crossing Latitude 45.33152, Longitude -75.94971
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach

Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	0.17 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	9785-87LJC7
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 8b Model 2000

SWF-1249 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1249
Facility Name	Terry Fox - Vortech-9 (Model 7000)
Location	South side of Terry Fox Extension on sidewalk West of Second Line Rd, 30m east of railway crossing Latitude 45.33249, Longitude -75.94918
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	1.17 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	9785-87LJC7
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 9 Model 7000

SWF-1250 - OGS Unit, Vortech, VT-5000

Asset ID	SWF-1250
Facility Name	Terry Fox - Vortech-10 (Model 5000)
Location	South side of Terry Fox Extension on sidewalk West of Second Line Rd, 0.3km east of Vortech-9 Latitude 45.33492, Longitude -75.94735
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River

Outlet location	Open Ditch
Catchment Area	0.76 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	9785-87LJC7
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 10 Model 5000

SWF-1251 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1251
Facility Name	Terry Fox - Vortech-11 (Model 7000)
Location	South side of Terry Fox Extension on sidewalk West of Second Line Rd, 0.2km east of Vortech-10 Latitude 45.33619, Longitude -75.94561
Watershed/Sub watershed	Ottawa River, Carp River, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	1.17 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	9785-87LJC7
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	OGS 11 Model 7000

SWF-1253 - SW-WPND, Wet Pond

Asset ID	SWF-1253
Facility Name	Tanger Mall Pond
Location	333 Huntmar Dr., north of HWY-417, south of Campeau Dr. Kanata West Business Park. Kanata Pond-6 East. Latitude 45.2989, Longitude -75.9336
Watershed/Sub watershed	Ottawa River, Carp, Feedmill Creek
Receiver of discharge	Feedmill Creek
Outlet location	Linear
Catchment Area	20 ha

Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3371-9A5GTU
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 96.3mm; Normal Volume =10,477m^3; Active Volume = 1,766m^3; Discharge Rate = 1.68 m^3/s; Discharge Rate Maximum = 4.75 m^3/s; Detention Time = 24 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	300
Notes / Additional Information	N/A

SWF-1259 - SW-WPND, Wet Pond

Asset ID	SWF-1259
Facility Name	Richardson Ridge Pond
Location	Across 400 Huntsville Drive Latitude 45.31876, Longitude -75.94529
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	43.3 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	9348-BLFLG5
Reference Works as part of treatment train	No
Brief Description	Designed for Quantity/Quality; Normal Water Level = 92.45mm; Normal Volume =5,092m^3; Active Volume = 10,025m^3; Discharge Rate = 0.27 m^3/s; Discharge Rate Maximum = 6.64 m^3/s; Detention Time = 48 Hours.
Receive Emergency Sanitary Overflows	Yes. Overflow (MHSA64835 to MHST67587) upstream of Signature Ridge Pumping Station.
Sediment Disposal Area (m/2)	850
Notes / Additional Information	N/A

SWF-1306 - SW-WPND, Wet Pond

Asset ID	SWF-1306
Facility Name	Glen Cairn-Castlefrank SWF
Location	South portion of MVCA's Glen Cairn Flood Basin, west of the intersection of Terry Fox Drive and Castlefrank Road,

	Latitude 45.28605, Longitude -75.88795
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	MVCA Wetlands
Catchment Area	107.7 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	2152-9EFQ3S
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 3 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 93.5mm; Normal Volume =5,590m^3; Active Volume = 23,000m^3; Discharge Rate = 0.028m^3/s; Discharge Rate Maximum = 0.150m^3/s; Detention Time = 24 Hours
Receive Emergency Sanitary Overflows	Yes. Overflow from MHSA12355 to MHST51616 (45.2899, -75.87753).
Sediment Disposal Area (m/2)	1,500
Notes / Additional Information	Rebuilt 2014

SWF-1307 - SW-WPND, Wetland

Asset ID	SWF-1307
Facility Name	Nairn SWF
Location	Adjacent to Nairn Park, 141 Kincardine Street at Nairn Street Latitude 45.28946, Longitude -75.89582
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Carp River
Catchment Area	6.9 ha
Level of Treatment	(Level 2) 70 % TSS Removal
Level of Volume control	N/A
Design Storm	1:2 Year
Reference ECA(s)	3-1116-96-006
Reference Works as part of treatment train	No
Brief Description	Includes diversion structure with stop logs directing flow to a spreader. No outlet structure.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1308 - SW-WPND, Wet Pond

Asset ID	SWF-1308
Facility Name	Walter Baker Park, SWF-1
Location	Northwest corner Terry Fox Drive and Walter Baker Place, flows to SWF-2 Latitude 45.29702, Longitude -75.9028
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	SWF-1309
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	5809-5B2HCC
Reference Works as part of treatment train	Yes, with SWF-1309
Brief Description	Stormwater Wet Pond Designed for Quantity/Quality
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Associated with Terry Fox Widening project

SWF-1309 - SW-WPND, Wet Pond

Asset ID	SWF-1309
Facility Name	Walter Baker Park, SWF-2
Location	North side and behind Kanata Recreation Complex, 100 Walter Baker Place, near gazebo Latitude 45.29462, Longitude -75.90471
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	5809-5B2HCC
Reference Works as part of treatment train	Yes, with SWF-1308
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Associated with Terry Fox Widening project

SWF-1310 - SW-WPND, Wet Pond

Asset ID	SWF-1310
Facility Name	Timbermere SWF
Location	1080 Carp Road Latitude 45.27051, Longitude -75.9439
Watershed/Sub watershed	Ottawa River, Carp, Feedermill Creek
Receiver of discharge	Carp River
Outlet location	Linear
Catchment Area	54 ha
Level of Treatment	TSS<80 mg/l, SS<40 microns, DO 5 mg/l, Lead <0.03 mg/l, pH>6.5
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-1003-99-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 117.9mm; Normal Volume =3,421m^3; Active Volume = 2,161m^3; Discharge Rate = 0.56 m^3/s; Discharge Rate Maximum = 0.856 m^3/s; Detention Time = 58 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	1,000
Notes / Additional Information	Outlet Riser Rebuilt 2017

SWF-1311 - SW-WPND, Wet Pond

Asset ID	SWF-1311
Facility Name	Echo Woods SWF
Location	123 Echowoods Ave Latitude 45.27215, Longitude -75.9419
Watershed/Sub watershed	Ottawa River, Carp, Feedermill Creek
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	12.5 ha
Level of Treatment	(Level 2) 70% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7710-4YQSAU
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 117.7mm; Normal Volume =1,900m^3; Active Volume = 2,479m^3; Discharge Rate Maximum = 1.81 m^3/s; Detention

	Time = 17 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	280
Notes / Additional Information	Functions in Conjunction with SWF-1310

SWF-1312 - SW-WPND, Wet Pond

Asset ID	SWF-1312
Facility Name	West Ridge Pond
Location	Beside 44 Beverly St., east of Delamere, or access through pedestrian path and bridge off Still Street, west of Jonathan Pack Latitude 45.25747, Longitude -75.93162
Watershed/Sub watershed	Mississippi Valley, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	N/A
Catchment Area	46.3 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	10 mm
Design Storm	N/A
Reference ECA(s)	3-0908-94-977
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 116.15mm; Normal Volume =2,530m^3; Active Volume = 8,267m^3; Discharge Rate Maximum = 10L/s; Detention Time = 24 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Includes diversion structure

SWF-1313 - SW-CTRL, LID

Asset ID	SWF - 1313
Facility Name	Westwood Phase-2 Triple-Pipe (modified)
Location	Westwood Subdivision Phase 2A & B. Coyote Cres. (North) off Westridge Dr. Manholes identified on Coyote Cres., #93, 84, 76, 56, 70 Black Bear Way, Mazari Cres., Westridge Dr. 45.24850, -75.92215
Watershed/Subwatershed	Poole Creek
Receiver of Discharge	Poole Creek
Outlet Location	Linear storm sewer

Catchment Area	3.34 Hectares
Level of Treatment	Enhanced
Level of Volume control	15mm rainfall event
Design Storm	1:100 year
Reference ECA(s)	6251-63X7PE, amended by 6073-AZ2NTB
Reference Works as part of treatment train	Yes, with SWF-1336 (dry pond)
Brief Description	Etobicoke Filtration system comprised of 200mm dia. perforated pipes wrapped with geotextile fabric, in clear stone trench for filtration and storage.
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	Etobicoke System installed for Phase 2 of Westwood Subdivision.

SWF-1314 - SW-WPND, Wet Pond

Asset ID	SWF-1314
Facility Name	Paul Lindsay Park Pond
Location	East side of Trailway Circle at Moss Hill Trail, Amberwood Village, to sewer then Poole Creek Latitude 45.2683, Longitude -75.91255
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Poole Creek
Catchment Area	52.2 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0253-4SWHYC
Reference Works as part of treatment train	Yes, with SWF-1324
Brief Description	Stormwater Wet Pond with 3 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 109.7mm; Normal Volume =5,400m^3; Active Volume = 11,600m^3; Discharge Rate Maximum = 1.1 m^3/s; Detention Time = 24 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Includes a dry pond component for storage

SWF-1315 - SW-WPND, Wet Pond

Asset ID	SWF-1315
Facility Name	Stittsville Business Park Pond
Location	1-3 Iber Road, south of Hazeldean Road, behind SMART

	Technologies Inc. in Stittsville Business Park (formerly SMART Technologies SWF. Renamed 09se09) Latitude 45.2833, Longitude -75.91015
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Poole Creek
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; No forebay; No OGS; Designed for Quantity; Normal Water Level = 101.9mm; Normal Volume =1,200m^3; Active Volume = 720m^3
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Previously Named Smart Technologies SWF

SWF-1316 - SW-WPND, Wet Pond

Asset ID	SWF-1316
Facility Name	Palladium Ponds SWMF
Location	Behind 700 and 780 Palladium Drive, Palladium Campus, Latitude 45.29876, Longitude -75.91895
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Carp River
Catchment Area	40 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0503-92-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 2 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 92.3mm; Normal Volume =8,100m^3; Active Volume = 8,730m^3; Discharge Rate Maximum = 0.209 m^3/s; Detention Time = 72 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	1,200
Notes / Additional Information	Outlet redesigned and rebuilt 2015

SWF-1318 - OGS Unit

Asset ID	SWF-1318
Facility Name	Monahan OGS #2
Location	88 Cope Drive 45.27983, -75.86826
Watershed/Subwatershed	Rideau/ Monahan Drain
Receiver of Discharge	SWF-1328
Outlet Location	SWF-1328
Catchment Area	
Level of Treatment	Level 1 (Enhanced)
Level of Volume Control	
Design Storm	1:100
Reference ECA(s)	0076-7T2NEY
Reference Works as part of Treatment Train	SWF-1328
Brief Description	CDS Model PSWC56-53
Receive Emergency Sanitary Overflows?	No
Notes / Additional Information	Treatment rate 396 l/s

SWF-1319 - SW-DPND, Dry Pond

Asset ID	SWF-1319
Facility Name	King's Grant SWF
Location	Queenston Drive at Lundy's Lane, Richmond Latitude 45.19971, Longitude -75.83416
Watershed/Sub watershed	Rideau, Jock, Jock Mid Reach
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3,400 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Ditch and catch basin. Dry basin in park. Park maintained by surface ops

SWF-1320 - SW-WPND, Wet Pond

Asset ID	SWF-1320
Facility Name	Sweetnam-Eileen

Location	Behind 33 Eileen Crescent, Stittsville (Fringewood Village area) Latitude 45.2738, Longitude -75.91445
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Open Channel
Catchment Area	3.02 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity; Normal Volume =1,200m^3; Active Volume = 1,200m^3
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	No outlet structures

SWF-1321 - SW-DPND, Dry Pond

Asset ID	SWF-1321
Facility Name	Amberwood - Moss Hill SWF
Location	Opposite SWF-1314, west side of Fringewood. Amberwood Subdivision. Latitude 45.26675, Longitude -75.9134
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	SWF-1314
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	7276-5PGJTV Replaces 0253-4SWHYC
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 950 m^3; Discharge Rate Maximum = 1.1 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Catch basin

SWF-1322 - SW-WPND, Wet Pond

Asset ID	SWF-1322

Facility Name	Amberwood Pond 10
Location	Springbrook Drive at golf course, west of and opposite Deer Moss Trail. Amberwood Subdivision. Latitude 45.2706, Longitude -75.9185
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Poole Creek
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity; Normal Water Level = 110.2mm
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Located on the Golf Course.

SWF-1323 - SW-DPND, Dry Pond

Asset ID	SWF-1323
Facility Name	Amberwood - Pine Bluff SWF
Location	On pedestrian path off Hesse Crescent Amberwood Subdivision. Latitude 45.26663, Longitude -75.92065
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Open Creek
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 6,600 m^3; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Facility repaired 2014

SWF-1324 - SW-DPND, Dry Pond

Asset ID	SWF-1324
Facility Name	Sacred Heart HS/Goulbourn Rec Centre
Location	Abbott St. East at Shea Rd., Stittsville Latitude 45.265, Longitude -75.9096
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Linear
Catchment Area	N/A
Level of Treatment for suspended solids	N/A
Treatment for other contaminants, as required	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	7276-5PGJTV
Reference Works as part of treatment train	Yes, with SWF-1314
Brief Description	Stormwater Dry Pond with 950m^3 active volume, no OGS and no tile drainage.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Quantity pond.

SWF-1325 - SW-WPND, Wet Pond

Asset ID	SWF-1325
Facility Name	Granite Ridge
Location	Opposite 165 Iber Road, Granite Ridge Subdivision, 150 m north of Abbott Street, south of Harry Douglas Drive, Latitude 45.2738, Longitude -75.90125
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Poole Creek
Outlet location	Open Channel
Catchment Area	50.53 ha
Level of Treatment for suspended solids	(Level 2) 70% Removal
Treatment for other contaminants, as required	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	4789-6KJJT3 + Amendment
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 3 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 102.56mm; Normal Volume =2023m^3; Active Volume = 12,237m^3; Discharge Rate Maximum = 1.729 m^3/s

Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	370
Notes / Additional Information	Level Two Treatment

SWF-1326 - SW-WPND, Wet Pond

Asset ID	SWF-1326
Facility Name	Jackson Trails SWF
Location	Behind 530 Bryce Place, and of Stittsville Main St. North. Feedermill Creek, Stittsville Latitude 45.27905, Longitude -75.93575
Watershed/Sub watershed	Ottawa River, Carp, Feedermill Creek
Receiver of discharge	Feedermill Creek
Outlet location	Open Channel
Catchment Area	96.3 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1047-6MPLMW
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 109.7mm; Normal Volume =18,900m^3; Active Volume = 35,440m^3; Discharge Rate = 0.47 m^3/s; Discharge Rate Maximum = 3.01 m^3/s
Receive Emergency Sanitary Overflows	Yes. Overflow from Jackson Trail Pumping Station.
Sediment Disposal Area (m/2)	1,400
Notes / Additional Information	N/A

SWF-1327 - SW-DPND, Dry Pond

Asset ID	SWF-1327
Facility Name	Richmond DeKemp SWF
Location	50 Chanonhouse Dr., Richmond Latitude 45.19288, Longitude -75.8213
Watershed/Sub watershed	Rideau, Jock, Jock Mid Reach
Receiver of discharge	Jock River
Outlet location	Open Creek
Catchment Area	7.2 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	9388-74EHRM

Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 558 m^3; Discharge Rate Maximum = 0.174 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Concrete inlet headwall. Outlet pipe to Jock River. Enhanced ditch

SWF-1328 - SW-WPND, Wetland

Asset ID	SWF-1328
Facility Name	Monahan Wetlands SWF
Location	North side of Hope Side Road, east of Eagleson Road, Emerald Meadows Subdivision Latitude 45.27152, Longitude -75.8514
Watershed/Sub watershed	Rideau, Jock, Monahan Drain
Receiver of discharge	Jock River
Outlet location	Monahan Drain
Catchment Area	1,393 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5486-9M3PXP
Reference Works as part of treatment train	Yes, with SWF-1333, SWF-1331, SWF-1332, SWF-1318, SWF-1330, SWF-1329
Brief Description	Active Volume = 167,710 m^3; Discharge Rate Maximum = 27.45 m^3/s
Receive Emergency Sanitary Overflows	Yes. Overflow from Hope Side Road Pumping Station.
Sediment Disposal Area (m/2)	4,000
Notes / Additional Information	Complex weir/ bridge structure. 2 monitoring sheds. Trails, bridge. Rebuilt 2018, two forebays added. Not located within industrial and commercial land

SWF-1329 - OGS Unit, Vortech, 1827CIP

Asset ID	SWF-1329
Facility Name	Monahan Bridlewood-Trails Vortech-1 (Model 1827CIP)
Location	Bridlewood Trail Subdivision; beside 480 Brigitta St. (Bridlewood Trails Retirement Centre) Latitude 45.27517, Longitude -75.86173
Watershed/Sub watershed	Rideau, Jock, Monahan Drain
Receiver of discharge	Jock River
Outlet location	SWF-1328
Catchment Area	See SWF-1328

Level of Treatment	(Level 1) 80% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0076-7T2NEY
Reference Works as part of treatment train	Yes, with 1328
Brief Description	Active Volume = 30 m^3; Discharge Rate Maximum = 1,470 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Effluent and by-pass headwall. Armour stone retaining wall. Cast in place. Vortech CIP 1827; Max Sediment Trigger: <450 mm; Chamber Depth: 4.47m; Sediment Storage Trigger: 20 m^3; Oil Spill Capacity: 18 m^3

SWF-1330 - OGS Unit, Vortech, VT-16000

Asset ID	SWF-1330
Facility Name	Monahan Bridlewood-Trails Vortech-2 (Model 16000)
Location	Bridlewood Trail Subdivision; Brigitta St at Opus St., Latitude 45.27657, Longitude -75.86362
Watershed/Sub watershed	Rideau, Jock, Monahan Drain
Receiver of discharge	Jock River
Outlet location	SWF-1328
Catchment Area	See SWF-1328
Level of Treatment	(Level 1) 80% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0076-7T2NEY
Reference Works as part of treatment train	Yes, with 1328
Brief Description	Active Volume = 19 m^3; Discharge Rate Maximum = 708 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Effluent and by-pass headwall. Armour stone retaining wall. Vortech 16000; Max Sediment Trigger: <450 mm; Chamber Depth: 3.14m; Sediment Storage Trigger: 5.4 m^3; Oil Spill Capacity: 3 m^3

SWF-1331 – OGS Unit, Vortech 1927 CIP

Asset ID	SWF-1331
Facility Name	Monahan OGS #3 (SOHO Vortech #3)
Location	Bridlewood SOHO 40 m South of Cope Drive , Latitude 45.27906, Longitude -75.868660
Watershed/Sub watershed	Rideau, Jock, Monahan Drain

Receiver of discharge	Jock River
Outlet location	SWF-1328
Catchment Area	See SWF-1328
Level of Treatment	(Level 1) 80% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0076-7T2NEY
Reference Works as part of treatment train	Yes, with 1328
Brief Description	Active Volume = 75 m^3; Discharge Rate Maximum = 504 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Effluent and by-pass headwall. Armour stone retaining wall.

SWF-1332 – OGS Unit, Vortech 9000

Asset ID	SWF-1332
Facility Name	Monahan OGS #4 (SOHO Vortech 4)
Location	Bridlewood SOHO 130 m North of Fernbank Road Latitude 45.27847, Longitude -75.865290
Watershed/Sub watershed	Rideau, Jock, Monahan Drain
Receiver of discharge	Jock River
Outlet location	SWF-1328
Catchment Area	See SWF-1328
Level of Treatment	(Level 1) 80% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0076-7T2NEY
Reference Works as part of treatment train	Yes, with 1328
Brief Description	Active Volume = 9 m^3; Discharge Rate Maximum = 77 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Effluent and by-pass headwall. Armour stone retaining wall. Vortec 9000

SWF-1333 – OGS Unit, Vortech 16000

Asset ID	SWF-1333
Facility Name	Monahan OGS #1 (SOHO Vortech 5)
Location	Bridlewood SOHO 250 m North of Cope Drive Latitude 45.28088, Longitude -75.871080
Watershed/Sub watershed	Rideau, Jock, Monahan Drain
Receiver of discharge	Jock River

Outlet location	SWF-1328
Catchment Area	See SWF-1328
Level of Treatment	(Level 1) 80% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0076-7T2NEY
Reference Works as part of treatment train	Yes, with 1328
Brief Description	Active Volume = 19 m^3; Discharge Rate Maximum = 193 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Effluent and by-pass headwall. Armour stone retaining wall. Vortech 16000

SWF-1334 - SW-WPND, Wet Pond

Asset ID	SWF-1334
Facility Name	Amberlakes SWF
Location	Off Stittsville Main through parking lot and behind Brown's Independent Grocer Latitude 45.26906, Longitude -75.9268
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Wetlands
Catchment Area	34 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	8705-4NQHP2
Reference Works as part of treatment train	No
Sediment Disposal Area (m/2)	225
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 111.6mm; Normal Volume =1,780m^3; Active Volume = 1,400m^3; Discharge Rate = 0.032 m^3/s; Discharge Rate Maximum = 3.9 m^3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Hickenbottom Riser in outlet chamber

SWF-1336 - SW-DPND, Dry Pond

Asset ID	SWF-1336
Facility Name	Deer Run 1 (Westwood)

Location	North Side of Bell Street, east of Greenhaven Latitude 45.25227, Longitude -75.924
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Linear
Catchment Area	18.7 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	6251-63XP7E
Reference Works as part of treatment train	Yes, with SWF-1313
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3,383 m^3; Discharge Rate Maximum = 1.28 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Control weir in effluent manhole limiting flow to downstream trunk sewer. 2 headwalls influent. 1 headwall effluent. Rebuilt 2018

SWF-1337 - SW-DPND, Dry Pond

Asset ID	SWF-1337
Facility Name	Deer Run-2
Location	South side of Bell Street, near Elm Crescent Latitude 45.25055, Longitude -75.92176
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Linear
Catchment Area	25 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	6251-63XP7E
Reference Works as part of treatment train	Yes, with SWF-1355
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 4,167 m^3; Discharge Rate Maximum = 1.28 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1338 - OGS Unit, Separator, VS-70

Asset ID	SWF-1338

Facility Name	Harris Lands - VortSentry-1
Location	Beside bus stop on West Ridge Rd behind 501 Dalewood Cres Latitude 45.24305, Longitude -75.91796
Watershed/Sub watershed	Rideau, Jock, Flowing Creek
Receiver of discharge	Wetlands
Outlet location	Wetlands
Catchment Area	3.34 ha
Level of Treatment	(Level 3) Basic
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5816-7G6L4M
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortex Sentry model VS70

SWF-1339 - OGS Unit, Separator, VS-80

Asset ID	SWF-1339
Facility Name	Harris Lands - VortSentry-2
Location	Beside 539 Dalewood Cres at Barracks Way, 8m from roadway edge Latitude 45.24401, Longitude -75.91458
Watershed/Sub watershed	Rideau, Jock, Flowing Creek
Receiver of discharge	Wetlands
Outlet location	Wetlands
Catchment Area	4.23 ha
Level of Treatment	(Level 3) Basic
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5816-7G6L4M
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Sentry Vortex model VS-80

SWF-1340 - SW-CTRL, Flow Control Structure

Asset ID	SWF-1340
Facility Name	Harris Lands Wetland Flow-Control Outlet
Location	Behind 539 Dalewood Cres at Barracks Way, at edge of

	cedar trees Latitude 45.2445, Longitude -75.91417
Watershed/Sub watershed	Rideau, Jock, Flowing Creek
Receiver of discharge	Wetlands
Outlet location	Wetlands
Catchment Area	98.2 ha
Level of Treatment	(Level 3) Basic
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5816-7G6L4M
Reference Works as part of treatment train	No
Brief Description	No OGS; Active Volume = 2,953 m^3; Discharge Rate Maximum = 0.498 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Dry pond with natural drainage

SWF-1341 - SW-CTRL, LID

Asset ID	SWF 1341
Facility Name	Westwood Phase-3 Triple-Pipe (modified)
Location	Backyard of 652 Birchland Cres. in Stittsville. Westwood Subdivision Phase 3 45.2502, -75.9302
Watershed/Subwatershed	Poole Creek
Receiver of Discharge	Poole Creek
Outlet Location	Linear storm sewer then to a marshy area via OUT15168 (45.2501, -75.9302) and ultimately to the Upper Poole Creek.
Catchment Area	6.52 Hectares
Level of Treatment	Enhanced
Level of Volume control	15mm rainfall event
Design Storm	1:100 year
Reference ECA(s)	1929-7UUKNZ
Reference Works as part of treatment train	No.
Brief Description	Etobicoke Filtration system comprised of 200mm dia. perforated pipes wrapped with geotextile fabric, in clear stone trench for filtration and storage. Perforated pipes extend from manhole to manhole.
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	Etobicoke System installed for Phase 3 of Westwood Subdivision

SWF-1342 - SW-WPND, Wet Pond

Asset ID	SWF-1342
Facility Name	Nixon Farm SWF
Location	In Richmond, east side of Nixon Farm Dr., south of Cedarstone St., behind Chestnut Green Private. Latitude 45.19495, Longitude -75.84326
Watershed/Sub watershed	Rideau, Jock, Van Gael West Main
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	7.71 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	2976-928QHG
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 93.1mm; Normal Volume =1,686m^3; Active Volume = 1,300m^3; Discharge Rate Maximum = 0.183m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	153
Notes / Additional Information	N/A

SWF-1343 - SW-WPND, Wet Pond

Asset ID	SWF-1343
Facility Name	Westbrook SWF
Location	Linear pond, inlet at Wallgreen Rd., outlet at Westbrook Rd. Discharge To become part of Carp SDF wet pond. Sent for approval 2016. Latitude 45.274956, Longitude -75.956604
Watershed/Sub watershed	Ottawa River, Carp, Feedermill Creek
Receiver of discharge	Feedermill Creek
Outlet location	SWF-1369
Catchment Area	23.36 ha
Level of Treatment	(Level 3) Basic
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	0703-9PFRFA
Reference Works as part of treatment train	Yes, with SWF-1368, SWF-1369
Brief Description	Stormwater Wet Pond with No inlet structure; No forebay; No OGS; Designed for Quantity; Normal Volume =3,000m^3; Active Volume = 2,900m^3

Receive Emergency Sanitary Overflows	No
Swediment Disposal Area (m/2)	None
Notes / Additional Information	Forms part of Carp SDF stormwater pond

SWF-1347 - SW-WPND, Wet Pond

Asset ID	SWF-1347
Facility Name	Hazeldean - Grant Crossing SWF
Location	West of Grant Crossing Big-box stores, north side of Hazeldean. An interim pond. Latitude 45.28628, Longitude -75.90801
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Open Ditch
Catchment Area	18.98 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	2869-7XMQ68
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 98.65mm; Normal Volume =2,087m^3; Active Volume = 5,907m^3; Discharge Rate Maximum = 0.78 m^3/s which includes a control orifice discharge of 5.6 L/s (0.0056 m3/s).
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	144
Notes / Additional Information	Will not be decommissioned until the north-south arterial road is constructed

SWF-1348 - OGS Unit, CDS, CDS2025

Asset ID	SWF-1348
Facility Name	Cedarow Court - CDS Unit
Location	Opposite 5830 Hazeldean, north side of Hazeldean Road, Latitude 45.28, Longitude -75.91736
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Poole Creek
Catchment Area	2.0 ha
Level of Treatment	(Level 1) Enhanced (81.5% TSS Removal)
Level of Volume control	N/A
Design Storm	N/A

Reference ECA(s)	5626-7YJHSS
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	N0
Notes / Additional Information	CDS4030-8

SWF-1349 - OGS Unit, CDS, CDS3020

Asset ID	SWF-1349
Facility Name	Hazeldean - Stittsville Main - CDS Unit
Location	Southeast corner of Stittsville Main and Hazeldean Road, Latitude 45.27252, Longitude -75.92884
Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Poole Creek
Catchment Area	2.6 ha
Level of Treatment	(Level 2) Normal (75.8% TSS Removal)
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	5626-7YJHSS
Reference Works as part of treatment train	No
Brief Description	CDS3020
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1351 - SW-WPND, Wet Pond

Asset ID	SWF-1351
Facility Name	Vic Whittaker Park Pond (Fernbank-6)
Location	Behind 402 Cavesson St Latitude 45.2734, Longitude -75.8837
Watershed/Sub watershed	Rideau, Jock, Monahan Drain
Receiver of discharge	Jock River
Outlet location	Monahan Drain
Catchment Area	124 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0194-929KD5
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 4 inlet structures; 2 forebays;

	No OGS; Designed for Quantity/Quality; Normal Volume =27,777m^3; Active Volume = 71,299m^3. One (1) emergency overflow across Tapadero Avenue to Monahan Drain (open channel) via 1350mm dia. outfall storm sewer.
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	2,500
Notes / Additional Information	N/A

SWF-1352 - SW-WPND, Wet Pond

Asset ID	SWF-1352
Facility Name	Blackstone (Fernbank-7)
Location	South of Westphalian Ave., east of Andalusian Cres., along west side of Terry Fox north of Cope Dr. Latitude 45.2776, Longitude -75.8776
Watershed/Sub watershed	Rideau River, Jock River, Monahan Drain
Receiver of discharge	Jock River
Outlet location	Monahan Drain
Catchment Area	35.86 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3241-9FJRQ7
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 95mm; Normal Volume =20,583m^3; Active Volume = 15,663m^3; Discharge Rate = 0.19 m^3/s; Discharge Rate Maximum = 0.54 m^3/s.
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	1,400
Notes / Additional Information	N/A

SWF-1354 - SW-DPND, Dry Pond

Asset ID	SWF-1354
Facility Name	Bridleglen Dry Pond
Location	Bridleglen Crescent east of Stonehaven Drive opposite Tandlee Crescent Latitude 45.2828, Longitude -75.8452
Watershed/Sub watershed	Ottawa River, Carp, Kizzel Drain/Watts Creek
Receiver of discharge	Linear
Outlet location	Monahan Drain
Catchment Area	18

Level of Treatment	N/A
Level of Volume control	2,243 m/3
Design Storm	1:100 Year
Reference ECA(s)	5417-98YHTD
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Max discharge 42.7 l/s

SWF-1355 - SW-CTRL, LID

Asset ID	SWF - 1355
Facility Name	Westwood Phase-1 Triple-Pipe (modified)
Location	Manholes in front of house # 25, 28, 26, 18, 8, 16 Eliza Cres., 18, 38, 26, 46, 38, 8, 16 Greenhaven Cres., 57, 54, 42, 32, 30, 22, 20, 10, 4, 3 Cathcart Cres.45.2523, -75.9240
Watershed/Subwatershed	Poole Creek
Receiver of Discharge	Poole Creek
Outlet Location	Linear storm sewer then ultimately to Poole Creek (45.2596, -75.9299) via OUT07504
Catchment Area	18.7 Hectares
Level of Treatment	Enhanced
Level of Volume control	15mm rainfall event
Design Storm	1:100 year
Reference ECA(s)	4056-4J5J5J
Reference Works as part of treatment train	Yes, with SWF-1337 (dry pond)
Brief Description	Modified Etobicoke Filtration System comprised of perforated PVC pipes wrapped in filter cloth. Perforated pipes extend from manhole to manhole. Oil and Grit separator ahead of Poole Creek
Receive Emergency Sanitary Overflows	No.
Notes/Addition Information	Etobicoke System installed for Phase 1 of Westwood Subdivision.

SWF-1357 – SW-WPND, Wet Pond

Asset ID	SWF-1357
Facility Name	Parade Drive Pond
Location	750 Parade Drive 45.24870, -75.89891
Watershed/Sub watershed	Rideau/Flowing Creek

Receiver of discharge	Faulkner Drain
Outlet location	Faulkner Drain
Catchment Area	34.65 ha
Level of Treatment	Level 1 Enhanced
Level of Volume control	15 l/sec
Design Storm	1:100
Reference ECA(s)	5994-AHGKP5
Reference Works as part of treatment train	No
Brief Description	Quality and quantity wet pond
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	

SWF-1358 - SW-DPND, Dry Pond

Asset ID	SWF-1358
Facility Name	Hazeldean Library Pond
Location	Northeast corner of Castlefrank at Winchester Drive at the Hazeldean Library Latitude 45.29508, Longitude -75.88658
Watershed/Sub watershed	Ottawa River, Carp, Kizzel Drain/Watts Creek
Receiver of discharge	Watts Creek
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	2367-A9WQTJ
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 410 m^3; Discharge Rate Maximum = 0.020 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Storage volume of 410 m^3

SWF-1365 - OGS Unit, Vortech, VT-11000

Asset ID	SWF-1365
Facility Name	Rochelle Drive Vortech (Model 11000)
Location	Rochelle Drive North of Tarryn terrace, opposite park. South of House #50. Richmond Oaks Latitude 45.19307, Longitude -75.84658

Watershed/Sub watershed	Rideau, Jock, Van Gaal W. Main
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	11 ha
Level of Treatment	(Level 1) Enhanced (83 % Eff.)
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	5970-7ZQR5M
Reference Works as part of treatment train	No
Brief Description	Vortech 11000
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1366 - SW-WPND, Wet Pond

Asset ID	SWF-1366
Facility Name	Maple Grove Pond (KW-4)
Location	Beside 1655 Maple Grove Road. Kanata West Pond-4, Latitude 45.2966, Longitude -75.91387
Watershed/Sub watershed	Ottawa River, Carp, Carp Upstream Reach
Receiver of discharge	Carp River
Outlet location	Jock
Catchment Area	278.3 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:10 Year
Reference ECA(s)	9682-9P8SH3
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 2 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 93.25mm; Normal Volume =29,736m^3; Active Volume = 33,704m^3
Receive Emergency Sanitary Overflows	Yes. Overflow from Kanata West Pumping Station.
Sediment Disposal Area (m/2)	1,800
Notes / Additional Information	N/A

SWF-1371 - OGS Unit, Vortech 3000

Asset ID	SWF-1371
Facility Name	Old Richmond Road Vortech #1
Location	East side of Old Richmond Road, approximately 320 meters south of the intersection of Old Richmond Road and

	West Hunt Club Road Latitude 45.298362, Longitude -75.833241
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Stillwater Creek
Receiver of discharge	Stillwater Creek
Outlet location	Wetlands
Catchment Area	0.56 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7977-B44SYC
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 3000

SWF-1372 - OGS Unit, Vortech 3000

Asset ID	SWF-1372
Facility Name	Old Richmond Road Vortech #2
Location	South side of West Hunt Club Road, approximately 125 meters east of the intersection of West Hunt Club Road and Moodie Drive Latitude 45.298605, Longitude -75.83363
Watershed/Sub watershed	Ottawa River, Ottawa Centre, Stillwater Creek
Receiver of discharge	Stillwater Creek
Outlet location	Wetlands
Catchment Area	0.60 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7977-B44SYC
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 3000

SWF-1374 - SW-CTRL, Dry Pond

Asset ID	SWF-1374
Facility Name	Riverbank Court
Location	Behind 29 Riverbank Court Latitude 45.26246, Longitude -75.924596

Watershed/Sub watershed	Ottawa River, Carp, Poole Creek
Receiver of discharge	Poole Creek
Outlet location	Wetlands
Catchment Area	0.74 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage. Weir has a 40 mm orifice and a 400 mm x 200 mm relief
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Built as part of Riverbank Court Development (1995)

SWF-1377 – SW_DPND, Dry Pond

Asset ID	SWF-1377
Facility Name	Porter Street SWF
Location	19 Porter Street Latitude 45.24811, Longitude -75.91497
Watershed/Sub watershed	Rideau, Flowing Creek
Receiver of discharge	Linear
Outlet location	N/A
Catchment Area	6.8 ha
Level of Treatment	N/A
Level of Volume control	300 l/sec
Design Storm	1:100
Reference ECA(s)	4956-AKXS3L
Reference Works as part of treatment train	No
Brief Description	Dry pond 434 m/3 active storage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	

SWF-1378 – OGS Unit, CDS PMSU 40_40_8

Asset ID	SWF-1378
Facility Name	Riverbank Court
Location	Porter Street 10 m South of Brae Latitude 45.24917, Longitude -75.91839
Watershed/Sub watershed	Rideau, Flowing Creek
Receiver of discharge	Linear
Outlet location	N/A

Catchment Area	6.8 ha
Level of Treatment	Level 1 Enhanced
Level of Volume control	N/A
Design Storm	1:100
Reference ECA(s)	4956-AKX3L
Reference Works as part of treatment train	N/A
Brief Description	CDS PMSU 40_40_8
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	

SWF-1379 - OGS Unit, OGS, STC-4000

Asset ID	SWF-1379
Facility Name	Richmond Bridge OGS
Location	East corner of McBean Street and Royal York Street, Latitude 45.1888952, Longitude -75.8318476
Watershed/Sub watershed	Rideau, Jock, Van Gaal W. Main
Receiver of discharge	Jock River
Outlet location	Jock River
Catchment Area	4.0 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	4158-AXBS2X
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	STC 4000

SWF-1380 - SW-WPND, Wet Pond

Asset ID	SWF-1380
Facility Name	Canadian G&C Club
Location	7800 Golf Club Way Latitude 45.203618, Longitude -76.008986
Watershed/Sub watershed	Rideau, Lower Mississippi, Simpson Drain
Receiver of discharge	Jock River
Outlet location	Open Ditch
Catchment Area	151 ha
Level of Treatment	N/A
Level of Volume control	N/A

Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	N/A
Brief Description	Located at the south end of the golf course. Takes drainage from estate lot development. City easements in place.
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1385 - SW-DPND, Dry Pond

Asset ID	SWF-1385
Facility Name	Biltmore Pond
Location	Behind 132 Biltmore Crescent Latitude 45.179486, Longitude -75.959394
Watershed/Sub watershed	Rideau, Jock, Simpson Drain
Receiver of discharge	Jock River
Outlet location	Simpson Municipal Drain
Catchment Area	16.8 ha (21 lots with each having an area of approx. 0.8 ha)
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No.
Brief Description	Detention pond designed to provide approximately 2,100 m^3 of storage from 100-year storm event and outlets to a ditch via a culvert, and ultimately to the Simpson Drain.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Constructed as part of the Biltmore Subdivision.

SWF-1387 - SW-DPND, Dry Pond

Asset ID	SWF-1387
Facility Name	Kimini Dry Pond
Location	3A Kimini Drive Latitude 45.226331, Longitude -75.891933
Watershed/Sub watershed	Rideau, Jock, Flowing Creek
Receiver of discharge	Jock River
Outlet location	N/A
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A

Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	N/A
Brief Description	N/A
Receive Emergency Sanitary Overflows	N/A
Notes / Additional Information	Constructed 1987 (est)

SWF-1406 - SW-WPND, Wet Pond

Asset ID	SWF-1406
Facility Name	Kennedy-Burnett SWF
Location	South side of Strandherd Drive, west of Greenbank, Latitude 45.26152, Longitude -75.74846
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Open Ditch
Catchment Area	178 ha
Level of Treatment	N/A
Level of Volume control	25 mm
Design Storm	N/A
Reference ECA(s)	9368-79NMUN
Reference Works as part of treatment train	Yes
Brief Description	Stormwater Wet Pond with 4 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 90.6mm; Active Volume = 12,100m^3
Receive Emergency Sanitary Overflows	Yes. Overflow from Tartan Pumping Station.
Sediment Disposal Area (m/2)	5,381
Notes / Additional Information	Redesigned and rebuilt 2021

SWF-1408 - SW-WPND, Wet Pond

Asset ID	SWF-1408
Facility Name	Clarke Bellinger Environmental (Stormwater) Facility
Location	(Longfields/Davidson Heights, East Barrhaven SWF) 129 Leikin Drive, (Lot 16, Conc. 1, Rideau Front). Latitude 45.29118, Longitude -75.70715
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Open Ditch
Catchment Area	913 ha
Level of Treatment	N/A
Level of Volume control	21 mm

Design Storm	N/A
Reference ECA(s)	3-0396-91-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 3 inlet structures; 2 forebays; Designed for Quantity/Quality; Normal Water Level = 81.75mm; Normal Volume =22,300m^3; Active Volume = 45,700m^3; Discharge Rate Maximum = 0.5 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1409 - SW-WPND, Wet Pond

Asset ID	SWF-1409
Facility Name	Stonebridge SWF
Location	Near 111 Oakbriar Crescent Latitude 45.26063, Longitude -75.71866
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	170 ha
Level of Treatment	(Level 1) Enhanced <100E.coli/100 ml, 80% TSS Removal, TSS<25 mg/L Swimming Season
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0223-99-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 85.75mm; Normal Volume =19,500m^3; Active Volume = 51,000m^3; Discharge Rate = 0.275 m^3/s; Discharge Rate Maximum = 8 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Takes ROW Drainage. Located on golf course (Commercial Land). Drainage agreement on file.

SWF-1410 - SW-WPND, Wet Pond

Asset ID	SWF-1410
Facility Name	Strandherd SWF
Location	3110 Prince of Wales Drive, north of Woodroffe Latitude 45.27735, Longitude -75.7041

Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear to Rideau
Catchment Area	315 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	4964-7YRLF9
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 2 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 79.85mm; Normal Volume =25,000m^3; Active Volume = 115,100m^3; Discharge Rate = 2.2 m^3/s; Discharge Rate Maximum = 9.0 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	2,200
Notes / Additional Information	N/A

SWF-1411 - SW-WPND, Wet Pond

Asset ID	SWF-1411
Facility Name	Chapman Mills SWF (SNUA-3)
Location	North side of Jock River, east of Jockvale Road at Bren Maur. Capital Works Project # 902189 (Minto-CCL) South Nepean Urban Area Pond-3) Latitude 45.26464, Longitude -75.73172
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Jock River
Catchment Area	197 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1814-73VJMC
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 2 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 87mm; Normal Volume =37,149m^3; Active Volume = 47,900m^3; Discharge Rate = 0.88m^3/s; Discharge Rate Maximum = 2.37 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	750
Notes / Additional Information	N/A

SWF-1413 - SW-DPND, Dry Pond

Asset ID	SWF-1413
Facility Name	Moloughney Park
Location	DICB in depressed park, north of intersection, Chester Crescent & Exeter Drive Latitude 45.27258, Longitude -75.75117
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	165 ha
Level of Treatment	N/A
Level of Volume control	1:100 year
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Depressed catch basin in park. Cedarview Drainage Area

SWF-1414 - SW-DPND, Dry Pond

Asset ID	SWF-1414
Facility Name	Winding Way SWF
Location	Opposite 231 Winding Way, northeast corner, Winding Way and Prince of Wales Drive Latitude 45.28082, Longitude -75.70265
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	26 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	4637-544PX3
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Catch basin

SWF-1415 - SW-DPND, Dry Pond

Asset ID	SWF-1415
Facility Name	Havenlea SWF
Location	West side of Prince of Wales Drive, south of Winding Way, runs from just north of Crestway Drive Latitude 45.28997, Longitude -75.7022
Watershed/Sub watershed	Rideau, Lower Rideau, Barrhaven Creek
Receiver of discharge	East Barrhaven Creek
Outlet location	Open Ditch
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Enhanced bioswale. Rebuilt 2014

SWF-1417 – SW-INFIL, Infiltration

Asset ID	SWF-1417
Facility Name	Woodroffe Greenbelt Facility 1
Location	East side of Woodroffe, southern portion. 45.29373, -75.74090
Watershed/Sub watershed	Rideau / Black Rapids Creek
Receiver of discharge	Black Rapids Creek
Outlet location	Creek
Catchment Area	0.86 ha
Level of Treatment	
Level of Volume control	130 l/s, 100 mm oriface
Design Storm	1:100
Reference ECA(s)	8807-6C9L4W
Reference Works as part of treatment train	No
Brief Description	East side of Woodroffe, weir #. 230 m/3 storage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Has infiltration bed for water temperature pollution control

SWF-1419 – SW-INFIL, Infiltration

Asset ID	SWF-1419
Facility Name	Woodroffe Greenbelt Facility 3
Location	East side of Woodroffe, Northern Portion. 45.30666, -75.734950
Watershed/Sub watershed	Rideau / Black Rapids Creek
Receiver of discharge	Black Rapids Creek
Outlet location	Creek
Catchment Area	3.15 ha
Level of Treatment	
Level of Volume control	330 l/s, 100 mm orifice
Design Storm	1:100
Reference ECA(s)	8807-6C9L4W
Reference Works as part of treatment train	No
Brief Description	600 m/3 storage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Concrete control weir. Drainage from Woodroofe. Infiltration Bed for Temperature Pollution Control

SWF-1422 - SW-WPND, Wet Pond

Asset ID	SWF-1422
Facility Name	Todd Pond
Location	Behind 2647 Fallingwater Circle. Mattamy Half-Moon Bay Subdivision Phase 1 Latitude 45.25291, Longitude -75.74044
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Open Channel
Catchment Area	92 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	4308-7GZQPE
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 3 inlet structures; 3 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 89.65mm; Normal Volume =23,716m^3; Active Volume = 48,278m^3; Discharge Rate Maximum = 10.39 m^3/s
Receive Emergency Sanitary	No

Overflows	
Sediment Disposal Area (m/2)	1,100
Notes / Additional Information	N/A

SWF-1424 - SW-WPND, Wet Pond

Asset ID	SWF-1424
Facility Name	Corrigan Pond
Location	West of Jock River, Half Moon Bay at Tucana Way, Latitude 45.2593, Longitude -75.73491
Watershed/Sub watershed	Mississippi Valley, Lower Mississippi, Jock Mid Reach
Receiver of discharge	Jock River
Outlet location	Jock River
Catchment Area	142.4 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	6563-7N5T5D
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 88.7mm; Normal Volume =16,039m^3; Active Volume = 19,000m^3; Discharge Rate = 0.04 m^3/s; Discharge Rate Maximum = 0.15 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	1,300
Notes / Additional Information	N/A

SWF-1428 - SW-WPND, Wet Pond

Asset ID	SWF-1428
Facility Name	Maravista
Location	Maravista Drive off Cedarview Road, bordered to the west by Bamburgh Way, Latitude 45.27094, Longitude -75.77578
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Open Ditch
Catchment Area	88.14 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5643-8BGJZQ
Reference Works as part of	No

treatment train	
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 92.9mm; Normal Volume =17,615m^3; Active Volume = 17,007m^3; Discharge Rate = 1.29 m^3/s; Discharge Rate Maximum = 3.29 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	1,000
Notes / Additional Information	N/A

SWF-1429 - SW-WPND, Wet Pond

Asset ID	SWF-1429
Facility Name	Apple Orchard Pond
Location	Kilspindie Ridge, opposite Capital Memorial Gardens Crematorium Latitude 45.254, Longitude -75.7108
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Long Island
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	20.4 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3749-9CPJ99
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 88.25mm; Normal Volume =2,500m^3; Active Volume = 5,784m^3; Discharge Rate = 0.012m^3/s; Discharge Rate Maximum = 1.980 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	180
Notes / Additional Information	N/A

SWF-1435 - SW-DPND, Dry Pond

Asset ID	SWF-1435
Facility Name	Watershield Ridge Dry Pond
Location	In Pocket Park, north of Watershield Ridge, south of Springbeauty Ave. Cross street: Gentian Heights. Longfields Development Stage 1 Latitude 45.2871, Longitude -75.7296
Watershed/Sub watershed	Rideau, Lower Rideau, Barrhaven Creek

Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	9.2 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	Exempt
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Includes tile drainage. Storage 4,125 M/3. Release rate 0.059 M3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM 998

SWF-1436 - SW-DPND, Dry Pond

Asset ID	SWF-1436
Facility Name	Springbeauty Dry Pond
Location	Between Springbeauty Ave. and Woodroffe, south of Longfields adjacent to Kelly Funeral Homes. Longfields Development Stage 1 Latitude 45.29015, Longitude -75.727
Watershed/Sub watershed	Rideau, Lower Rideau, Barrhaven Creek
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	9.2 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	Exempt
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage. Storage 4,910 M/3. Release rate 0.099 M3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM 198

SWF-1440 - SW-DPND, Dry Pond

Asset ID	SWF-1440
Facility Name	Utman Park Dry Pond
Location	Baseball diamond at northeast corner of Longfields Dr. and Mountshannon Dr. Latitude 45.286332, Longitude -75.740443
Watershed/Sub watershed	Rideau, Lower Rideau, Barrhaven Creek

Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	31.04 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 5,202 m^3; Discharge Rate Maximum = 0.028 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM 959

SWF-1441 - SW-INFL, Infiltration

Asset ID	SWF-1441
Facility Name	Stonebridge Trail Biofilter
Location	3435 Jockvale Rd. west of north parking lot towards river, Latitude 45.2622, Longitude -75.73255
Watershed/Sub watershed	Mississippi Valley, Lower Mississippi, Jock Mid Reach
Receiver of discharge	Jock River
Outlet location	Jock River
Catchment Area	0.77 ha
Level of Treatment	N/A
Level of Volume control	1:100 year
Design Storm	N/A
Reference ECA(s)	1216-8Y2SKS
Reference Works as part of treatment train	No
Brief Description	Active Volume = 74 m^3
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Landscaping done 2017

SWF-1443 - SW-DPND, Dry Pond

Asset ID	SWF-1443
Facility Name	Barrhaven-Greenbank Railway Underpass Dry Pond
Location	Greenbank Rd at CNR Railway. Latitude 45.2805, Longitude -75.7503
Watershed/Sub watershed	Rideau, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear

Catchment Area	4.74 ha
Level of Treatment	N/A
Level of Volume control	609 m/3
Design Storm	1:100 Year
Reference ECA(s)	5363-AH4PJ3
Reference Works as part of treatment train	Yes, with SWF-1442
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 609 m^3; Discharge Rate Maximum = 0.579 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	609 m/s storage

SWF-1448 - SW-WPND, Wet Pond

Asset ID	SWF-1448
Facility Name	Gregory Casey SWM Facility
Location	4235 McKenna Casey Drive, South of McKenna Casey, at Strandherd. Drains to Foster Drain. Latitude 45.25855, Longitude -75.7714833333333
Watershed/Sub watershed	Rideau, Jock, Barrhaven Creek
Receiver of discharge	O'Keefe Drain
Outlet location	O'Keefe Drain
Catchment Area	332 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	13,400 m/3
Design Storm	1:100 year
Reference ECA(s)	6421-9VFKDA
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 90.8mm; Normal Volume =57,700m^3; Active Volume = 13,400m^3; Discharge Rate Maximum = 0.55 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	3,500
Notes / Additional Information	Replaces Foster Pond which has been decommissioned

SWF-1450 - SW-WPND, Wet Pond

Facility Name	Greenbank Wet Pond
Location	West of Old Greenbank Road Bridge. Mattamy Half Moon Bay Phase 7

	Latitude 45.2574, Longitude -75.75139
Watershed/Sub watershed	Jock
Receiver of discharge	Jock River
Outlet location	Jock River
Catchment Area	16 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	4,093 m/3
Design Storm	1:100 year
Reference ECA(s)	1648-ADBLFP9
Reference Works as part of treatment train	N/A
Brief Description	Wet pond with flow splitter to single forebay
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	330
Notes / Additional Information	N/A

SWF-1451 - SW-DPND, Dry Pond

Asset ID	SWF-1451
Facility Name	Palmadeo Dry Pond
Location	80 Palmadeo Drive Latitude 45.280179, Longitude -75.731954
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	28.14 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 5,950 m^3; Discharge Rate Maximum = 0.099 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 373

SWF-1452 - SW-DPND, Dry Pond

Asset ID	SWF-1452
Facility Name	Totteridge Dry Pond
Location	11 Totteridge

	Latitude 45.282287, Longitude -75.736025
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	5.33 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 6,660 m^3; Discharge Rate Maximum = 0.020 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 374

SWF-1453 - SW-DPND, Dry Pond

Asset ID	SWF-1453
Facility Name	Calaveras Dry Pond
Location	213 Calaveras Latitude 45.277347, Longitude -75.738701
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	27.77 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 5,035 m^3; Discharge Rate Maximum = 0.099 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 375

SWF-1454 - SW-DPND, Dry Pond

Asset ID	SWF-1454
Facility Name	Rodeo Dry Pond
Location	175 Rodeo Drive

	Latitude 45.275048, Longitude -75.742491
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	7.64 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,350 m^3; Discharge Rate Maximum = 0.020 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 376

SWF-1455 - SW-DPND, Dry Pond

Asset ID	SWF-1455
Facility Name	Gospel Oak Dry Pond
Location	55 Gospel Oak Dr. Latitude 45.283382, Longitude -75.732289
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	24.19 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 970 m^3; Discharge Rate Maximum = 0.020 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 997

SWF-1456 - SW-DPND, Dry Pond

Asset ID	SWF-1456
Facility Name	Ken Ross Dry Pond
Location	600 Longfields

	Latitude 45.28304, Longitude -75.74389
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with Active Volume = 10,500 m/3. Release rate 0.227 m/3 ,
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM 958

SWF-1457 - SW-DPND, Dry Pond

Asset ID	SWF-1457
Facility Name	Stone Crest Dry Pond
Location	220 Stoneway Latitude 45.286821, Longitude -75.71577
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	31.77 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 17,280 m^3; Discharge Rate Maximum = 0.159 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 666

SWF-1458 - SW-DPND, Dry Pond

Asset ID	SWF-1458
Facility Name	Mulligan Dry Pond
Location	70 Mount Shannon

	Latitude 45.291133, Longitude -75.736344
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	19 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 13,810 m^3; Discharge Rate Maximum = 0.120 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 222

SWF-1459 - SW-DPND, Dry Pond

Asset ID	SWF-1459
Facility Name	Cresthaven Park
Location	28 Cresthaven Drive Latitude 45.28334, Longitude -75.70756
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Barrhaven Creek
Receiver of discharge	Jock River
Outlet location	Linear
Catchment Area	35.33 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3,450 m^3; Discharge Rate Maximum = 0.08 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	SWM I.D. 899

SWF-1474 - OGS Unit, Vortech 5000

Asset ID	SWF-1474
Facility Name	Point Prim Vortech 5000
Location	Beside 143 Point Prim Crescent 45.26063, -75.75000

Watershed/Subwatershed	Rideau, Barrhaven Creek
Receiver of Discharge	Jock River
Outlet Location	Fraser Clarke Watercourse
Catchment Area	7.06 ha
Level of Treatment	Level 1 (Enhanced)
Level of Volume Control	
Design Storm	1:100
Reference ECA(s)	7522-B9YQCT
Reference Works as part of Treatment Train	No
Brief Description	Vortechs Model 5000 OGS
Receive Emergency Sanitary Overflows?	No
Notes / Additional Information	

SWF-1475 - OGS Unit, CDS Model PMSU4040_

Asset ID	SWF-1475
Facility Name	Canoe Street CDS
Location	Beside 1001 Canoe Street 45.26072, -75.75623
Watershed/Subwatershed	Rideau/ Barrhaven Creek
Receiver of Discharge	Jock River
Outlet Location	Fraser Clarke Watercourse
Catchment Area	7.86 ha
Level of Treatment	Level 1 (Enhanced)
Level of Volume Control	
Design Storm	1:100
Reference ECA(s)	7522-B9YQCT
Reference Works as part of Treatment Train	No
Brief Description	CDS Model PMSU4040_8
Receive Emergency Sanitary Overflows?	No
Notes / Additional Information	

SWF-1501 - SW-WPND, Wet Pond

Asset ID	SWF-1501
Facility Name	Meadowbrook
Location	2972 A Danbury Way Latitude 45.13881, Longitude -75.71963
Watershed/Sub watershed	Rideau, Lower Rideau, Steven's Creek
Receiver of discharge	Taylor Creek

Outlet location	Taylor Creek
Catchment Area	96 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-0865-92-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quality; Normal Water Level = 87.2mm; Normal Volume =1,900m^3; Active Volume = 1,200m^3; Discharge Rate Maximum = 0.016 m^3/s; Detention Time = 31 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1503 - SW-CTRL, LID

Asset ID	SWF 1503
Facility Name	Manotick Estates
Location	Beside 768 McManus 45.214418, -75.706417
Watershed/Subwatershed	Rideau River
Receiver of Discharge	Ruisseau Mud Creek
Outlet Location	Linear storm sewer then ultimately to Ruisseau Mud Creek via outlet OUT15350.
Catchment Area	15.64 Ha
Level of Treatment	Enhanced
Level of Volume control	15mm, 4-hour storm event
Design Storm	1:100 year
Reference ECA(s)	6616-7XYSBE
Reference Works as part of treatment train	N/A
Brief Description	Modified Etobicoke System comprised of 200mm dia. perforated pipes wrapped with 270R geotextile fabric in clear stone trench for filtration and storage, located above 100mm dia. perforated pipes conveying filtered runoff from storage trench to MHs.
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	Built for the Maple Creek Estates subdivision, located in the Manotick Special Design Area (SDA).

SWF-1504 - OGS Unit, PSWC-40

Asset ID	SWF-1504
Facility Name	Kars-Roger Stevens CDS
Location	In front of 6732 Rideau Valley Drive Latitude 45.149408, Longitude -75.647158
Watershed/Sub watershed	Rideau, Lower Rideau, Stevens Creek
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	5.74 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	CDS PSWC56_40

SWF-1505 - SW-WPND, Wetland

Asset ID	SWF-1505
Facility Name	Lockmaster
Location	Beside 440 Lockmaster Crescent Latitude 45.231364, Longitude -75.698875
Watershed/Sub watershed	Rideau, Lower Rideau, Mud Creek-Lower Rideau
Receiver of discharge	Mud Creek Greens Creek
Outlet location	Mud Creek
Catchment Area	11.71 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	7773-65QP7K
Reference Works as part of treatment train	No
Brief Description	Inlet headwall from ROW ditches to constructed creek to wetlands
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Blast rock forms the outlet structure

SWF-1506 - OGS Unit, Vortech 11000

Asset ID	SWF-1506
Facility Name	Manotick-Mahogany Vortech #1
Location	In front of 541 Chriscraft Way Latitude 45.215424, Longitude -75.676685
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Long Island
Receiver of discharge	Rideau River
Outlet location	Unnamed Creek
Catchment Area	7.35 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7598-94TRX3
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 11000

SWF-1507 - OGS Unit, Vortech 7000

Asset ID	SWF-1507
Facility Name	Manotick-Mahogany Vortech #2
Location	545 Bridgeport Ave. Latitude 45.213512, Longitude -75.675734
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Long Island
Receiver of discharge	Rideau River
Outlet location	Unnamed Creek
Catchment Area	4.29 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7598-94TRX3
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 7000

SWF-1508 - OGS Unit, Vortech 7000

Asset ID	SWF-1508
Facility Name	Manotick-Mahogany Vortech #3
Location	546 Bridgeport Ave. Latitude 45.216519, Longitude -75.677055
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Long Island
Receiver of discharge	Rideau River
Outlet location	Unnamed Creek
Catchment Area	5.51 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7598-94TRX3
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 7000

SWF-1511 - OGS Unit

Asset ID	SWF-1511
Facility Name	Artemis OGS
Location	In front of 861 Artemis Circle
Watershed/Sub watershed	Lower Rideau
Receiver of discharge	Rideau
Outlet location	Rideau
Catchment Area	6.19 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	11.47 m^3
Design Storm	1:100 year
Reference ECA(s)	6896-B4YLUT
Reference Works as part of treatment train	No
Brief Description	Vortech VX-9000 OGS receiving inflow from storm sewer with sediment storage capacity of 3.67 m^3, oil storage capacity of 2.02 m^3 and total storage volume of approximately 11.47 m^3.
Receive Emergency Sanitary Overflows	Yes. Overflow from Riverwalk Pumping Station.
Notes / Additional Information	N/A

SWF-1608 - SW-UGST, Pipe Storage

Asset ID	SWF-1608
Facility Name	Soper Place SWF
Location	233 Soper Place at end of driveway Latitude 45.45255, Longitude -75.68612
Watershed/Sub watershed	Ottawa River, Ottawa River East, Ottawa East of Core 2
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Three removable weirs before drop shafts in linear system

SWF-1609 - SW-DPND, Dry Pond

Asset ID	SWF-1609
Facility Name	Wisteria
Location	Wisteria Cres. @ Vintage Lane Latitude 45.34175, Longitude -75.66982
Watershed/Sub watershed	Rideau, Lower Rideau River, Sawmill Creek
Receiver of discharge	Sawmill Creek
Outlet location	Linear
Catchment Area	8.82 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	6209-8W3HKG
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,654 m^3; Discharge Rate Maximum = 0.011 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1610 - SW-WPND, Wet Pond

Asset ID	SWF-1610
Facility Name	Saratoga SWF
Location	2710 Saratoga Place, the Ascot Apartments Latitude 45.35146, Longitude -75.64547
Watershed/Sub watershed	Rideau, Lower Rideau River, Sawmill Creek
Receiver of discharge	Sawmill Creek
Outlet location	Sawmill Creek
Catchment Area	62 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	
Reference ECA(s)	3-1241-78-796
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quality; Normal Water Level = 89.3mm; Normal Volume =4,530m^3; Active Volume = 2,265m^3
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1611 - SW-WPND, Wet Pond

Asset ID	SWF-1611
Facility Name	Riverside-Hackett SWF
Location	Southeast of intersection, Riverside Drive and Rivergate Way Latitude 45.34577, Longitude -75.69155
Watershed/Sub watershed	Rideau, Lower Rideau, Hunt Club Creek
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	348 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-0723-97-006 Amends 3-0436-84-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quality; Normal Water Level = 90.6mm; Normal Volume =3,000m^3; Active Volume = 4,000m^3
Receive Emergency Sanitary Overflows	No

Sediment Disposal Area (m/2)	None
Notes / Additional Information	Seasonal operation of diversion weir

SWF-1612 - SW-WPND, Wet Pond

Asset ID	SWF-1612
Facility Name	Kimberwick SWF (Riverwalk)
Location	Beside 48 Kimberwik Crescent Latitude 45.34126, Longitude -75.69674
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	20 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-0842-87-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quality; Normal Water Level = 75.65mm; Normal Volume =1,200m^3; Active Volume = 5,000m^3; Detention Time = 72 Hours
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1613 - SW-INFL, Infiltration, Pond

Asset ID	SWF-1613
Facility Name	Hunt Club - Rideau Bridge SWF
Location	Southwest corner, Hunt Club Road at Riverside Drive, Latitude 45.33286, Longitude -75.69515
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 4
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	44 ha
Level of Treatment	N/A
Level of Volume control	25 mm
Design Storm	N/A
Reference ECA(s)	0796-95XHXA
Reference Works as part of	No

treatment train	
Brief Description	Infiltration Pond with Active Volume = 6,330 m^3; Discharge Rate Maximum = 42 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1614 - SW-WPND, Wet Pond

Asset ID	SWF-1614
Facility Name	Cyrville Artificial Wetlands
Location	Hwy-417 at Aviation Parkway, Plan 4R-8996, Lots 24 & 25, Conc.2 Latitude 45.4263, Longitude -75.61888
Watershed/Sub watershed	Ottawa River, Greens Creek, Cyrville Drain
Receiver of discharge	Cyrville Drain-Green Creek
Outlet location	Cyrville Drain
Catchment Area	91 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0449-93-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 65mm; Normal Volume =10000m3; Active Volume = 62300m3
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	2,300
Notes / Additional Information	Includes Diversion Weir

SWF-1615 - SW-DPND, Dry Pond

Asset ID	SWF-1615
Facility Name	Gloucester City Centre Pond
Location	Beside Moulton Hydro Substation, 4434 City Park Drive, Latitude 45.42655, Longitude -75.61776
Watershed/Sub watershed	Ottawa River, Greens Creek, Cyrville Drain
Receiver of discharge	Sawmill Creek
Outlet location	Mud Creek
Catchment Area	52.12 ha
Level of Treatment	N/A
Level of Volume control	N/A

Design Storm	1:100 Year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 20,700 m^3; Discharge Rate Maximum = 3.23 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Staged outlet. Dry pond.

SWF-1616 - SW-WPND, Wet Pond

Asset ID	SWF-1616
Facility Name	Kitchener SWF (Alta Vista Mews)
Location	Southwest corner Albion Road North and Kitchener Avenue, opposite 3025 Albion Road North (Hydro Ottawa offices) Latitude 45.36959, Longitude -75.65211
Watershed/Sub watershed	Rideau, Lower Rideau, Sawmill Creek
Receiver of discharge	Sawmill Creek
Outlet location	Linear
Catchment Area	17.5 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0354-5BRHLA
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 85mm; Normal Volume =2,115m^3; Active Volume = 4,713m^3; Discharge Rate Maximum = 0.365 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	920
Notes / Additional Information	N/A

SWF-1617 - SW-DPND, Dry Pond

Asset ID	SWF-1617
Facility Name	Jasper SWF (Alta Vista Mews)
Location	North of intersection of Jasper Avenue and Walkley Road, Latitude 45.37322, Longitude -75.65664
Watershed/Sub watershed	Rideau, Lower Rideau, Sawmill Creek
Receiver of discharge	Sawmill Creek

Outlet location	Linear
Catchment Area	17.5 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0354-5BRHLA
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3,500 m^3; Discharge Rate Maximum = 0.020 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Dry pond with tile drainage

SWF-1621 - SW-WPND, Wet Pond

Asset ID	SWF-1621
Facility Name	Deerfield Estates SWF
Location	At edge of Sawmill Creek, east of intersection of Albion Road and Baden in Queensdale Village Subdivision; off Lester Rd; Canada Lands (Queensdale, Canada Lands), Latitude 45.34413, Longitude -75.62677
Watershed/Sub watershed	Rideau, Lower Rideau, Sawmill Creek
Receiver of discharge	Sawmill Creek
Outlet location	Sawmill Creek
Catchment Area	32.7 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7908-5JCLER
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 92mm; Normal Volume =2,600m^3; Active Volume = 4,675m^3; Discharge Rate = 0.41 m^3/s; Discharge Rate Maximum = 1.32 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	1,740
Notes / Additional Information	Includes Infiltration System

SWF-1622 - SW-WPND, Wet Pond

Asset ID	SWF-1622
Facility Name	Ottawa Life Sciences Tech. Campus
Location	Beside Alta Vista Manor Retirement Home, Peter Morand Cres. Latitude 45.4025, Longitude -75.63897
Watershed/Sub watershed	Rideau, Lower Rideau, Mather Award Drain
Receiver of discharge	Greens Creek
Outlet location	Linear
Catchment Area	22 ha
Level of Treatment	(Level 3) Basic
Level of Volume control	343 l/s release rate
Design Storm	1:100 Year
Reference ECA(s)	6154-5JWM4C
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 73.2mm; Normal Volume =5,775m^3; Active Volume = 7,888m^3; Discharge Rate = 0.13 m^3/s; Discharge Rate Maximum = 0.343 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1623 - SW-DPND, Dry Pond

Asset ID	SWF-1623
Facility Name	Solera SWF
Location	At light post on Solera Circle at Duston Terrace. Overland flow to wooded area, outflow controlled by ICD in catch basin Latitude 45.35838, Longitude -75.64084
Watershed/Sub watershed	Ottawa River, Greens Creek, McEwan Creek
Receiver of discharge	Sawmill Creek
Outlet location	Linear
Catchment Area	7.5 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	5187-75MLUZ
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,000 m^3;

	Discharge Rate Maximum = 0.472 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1624 - SW-WPND, Wet Pond

Asset ID	SWF-1624
Facility Name	Sawmill Creek Wetlands SWF
Location	West of South Keys Shopping Centre, between Transitway and Airport Parkway, South of Walkley Latitude 45.36443, Longitude -75.66362
Watershed/Sub watershed	Rideau, Lower Rideau, Sawmill Creek
Receiver of discharge	Sawmill Creek
Outlet location	Sawmill Creek
Catchment Area	1418 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7940-5X6RQ2
Reference Works as part of treatment train	Yes, with SWF-1633, SWF-1634
Brief Description	Stormwater Wet Pond with 4 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 83mm; Normal Volume =60,300m^3; Active Volume = 128,300m^3; Discharge Rate = 1.87 m^3/s; Discharge Rate Maximum = 4.5 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	5,340
Notes / Additional Information	Hybrid Pond

SWF-1625 - SW-WPND, Wet Pond

Asset ID	SWF-1625
Facility Name	McEwan Creek Pond
Location	Access from westbound lane at Hunt Club extension., Latitude 45.37853, Longitude -75.58956
Watershed/Sub watershed	Ottawa River, Greens Creek, McEwan Creek
Receiver of discharge	McEwan Creek
Outlet location	McEwan Creek
Catchment Area	736 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A

Design Storm	1:100 Year
Reference ECA(s)	0647-7WFL3M
Reference Works as part of treatment train	Yes, with SWF-1640
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 68.97mm; Normal Volume =25,900m^3; Active Volume = 66,600m^3
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	6,200
Notes / Additional Information	Includes Flow Splitter in McEwan Creek

SWF-1626 - SW-CTRL, LID

Asset ID	SWF-1626
Facility Name	Hunt Club Infiltration SWF-1
Location	Hunt Club Road west from Hunt Club Creek, Manhole # 13 in median. 45.34212, -75.67324
Watershed/Subwatershed	Ottawa River
Receiver of Discharge	Hunt Club Creek
Outlet Location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	3-1145-94-006
Reference Works as part of treatment train	N/A
Brief Description	Etobicoke System near Huntclub & Billy Bishop Private
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	N/A

SWF-1627 - SW-CTRL, LID

Asset ID	SWF 1627
Facility Name	Hunt Club Infiltration SWF-2
Location	Hunt Club Road east from Hunt Club Creek, Manhole # 14 on north side of roadway near Bell pedestal 45.3423, -75.6732
Watershed/Subwatershed	Ottawa River

Receiver of Discharge	Hunt Club Creek
Outlet Location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	3-1145-94-006
Reference Works as part of treatment train	N/A
Brief Description	Etobicoke System near Huntclub & Paul Anka Drive
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	N/A

SWF-1628 - SW-WPND, Wet Pond

Asset ID	SWF-1628
Facility Name	Valour SWF (Oak Park Subdivision)
Location	Valour Dr. opposite Remembrance Cres. Latitude 45.39924, Longitude -75.65957
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Falls
Receiver of discharge	Rideau River
Outlet location	Open Creek
Catchment Area	8.44 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	4780-4UKSER
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 72.4mm; Normal Volume =1,000m^3; Active Volume = 4,300m^3; Discharge Rate Maximum = 0.120 m^3/s
Receive Emergency Sanitary Overflows	Yes. Overflow from MHSA30405 to MHST30377 (45.3870, -75.65733).
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1629 - OGS Unit, Stormceptor, STC-750

Asset ID	SWF-1629
Facility Name	Limebank-River Rd. Stormceptor #1 (STC-750)
Location	Beside the curb in roadway on SW corner of Limebank & River Rd. Latitude 45.32001, Longitude -75.68842

Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	0.491 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3458-785RZF
Reference Works as part of treatment train	Yes, with SWF-1631
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	STC-750

SWF-1630 - OGS Unit, Stormceptor, STC-9000

Asset ID	SWF-1630
Facility Name	Limebank-River Rd. Stormceptor #2 (STC-9000)
Location	In grass on SW corner of Limebank & River Rd. Latitude 45.32116, Longitude -75.68894
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	0.37 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3458-785RZF
Reference Works as part of treatment train	Yes, with SWF-1635
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1631 - SW-DPND, Dry Pond

Asset ID	SWF-1631
Facility Name	Limebank-River Rd. Dry Pond w/ Flow Control MH
Location	Limebank & River Rd. Intersection Latitude 45.32106, Longitude -75.68928
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	11.5 ha
Level of Treatment	(Level 1) Enhanced

Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3458-785RZF
Reference Works as part of treatment train	Yes, with SWF-1630, SWF-1629, SWF-1635
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 4,133 m^3; Discharge Rate Maximum = 0.2741 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Dry pond with a flow control manhole containing a weir and orifice. Granular bottom

SWF-1632 - SW-WPND, Wet Pond

Asset ID	SWF-1632
Facility Name	Flannery Ditch SWF
Location	Mooney's Bay Beach, south end, 15m east of foot bridge Latitude 45.36416, Longitude -75.68971
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	Historic
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quality
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Predates 1965

SWF-1635 - SW-CTRL, LID

Asset ID	SWF 1635
Facility Name	Riverside Dr. Exfiltration Pipes
Location	West side of Riverside, 500m south of Hunt Club to Limebank & River Rd. 45.33065, -75.6968
Watershed/Subwatershed	Ottawa River
Receiver of Discharge	Hunt Club Creek
Outlet Location	Linear
Catchment Area	Not available in ECA
Level of Treatment	N/A
Level of Volume control	N/A

Design Storm	1:100 year
Reference ECA(s)	7888-7KLKTM
Reference Works as part of treatment train	Yes, with SWF-1630 (OGS) and SWF-1631 (dry pond)
Brief Description	Etobicoke System including approximately 290m-long exfiltration trenches of 200mm dia. PVC perforation pipes, wrapped in external geotextile sleeve 270R, in 16mm clear stones.
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	N/A

SWF-1636 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1636
Facility Name	Balmoral-Limebank Vortechnics (Model 7000)
Location	Southwest of intersection Limebank Rd at Balmoral, between Limebank and recreational pathway, opposite 3434 Limebank Rd Latitude 45.31546, Longitude -75.68686
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau Reach 3
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Vortech 7000
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1637 - SW-WPND, Wetland

Asset ID	SWF-1637
Facility Name	Hunt Club-McEwan East Dry Pond
Location	West of Highway 417, west of the Hunt Club extension bridges over McEwan Creek. Designed as a wetland. (Was East Pond) Latitude 45.37745, Longitude -75.58928
Watershed/Sub watershed	Ottawa River, Greens Creek, McEwan Creek
Receiver of discharge	McEwan Creek
Outlet location	Open Creek
Catchment Area	5.08 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A

Design Storm	1:100 Year
Reference ECA(s)	2005-856H23
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with Active Volume = 388 m^3; Discharge Rate Maximum = 8.5 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Two inlets and one outlet

SWF-1638 - SW-DPND, Dry Pond

Asset ID	SWF-1638
Facility Name	Hunt Club-McEwan West Dry Pond
Location	West of Highway 417, east of the Hunt Club extension bridges over McEwan Creek (was West Pond) Latitude 45.37856, Longitude -75.58794
Watershed/Sub watershed	Ottawa River, Greens Creek, McEwan Creek
Receiver of discharge	McEwan Creek
Outlet location	Open Creek
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	2005-856H23
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,053 m^3; Discharge Rate Maximum = 0.0013 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Two inlets and one outlet

SWF-1639 - SW-DPND, Dry Pond

Asset ID	SWF-1639
Facility Name	Sandy Hill Dry Pond
Location	Behind Sandy Hill Community Center, bordered by Nelson, Somerset, Templeton, and Sweetland. Latitude 45.42234, Longitude -75.67761
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Falls
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3609-98RPYA

Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3,800 m^3; Discharge Rate Maximum = 0.127 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Surface storage above the underground stormwater tank. Receives overland flow

SWF-1640 - SW-CTRL, Diversion Structure

Asset ID	SWF-1640
Facility Name	McEwan Creek Diversion Structure
Location	Access from westbound lane at Hunt Club extension, between north side of Hunt Club and south of the access road. Diverts water from the Eastern Community Trunk Sewer between the pond and the creek. Latitude 45.37753, Longitude -75.59244
Watershed/Sub watershed	Ottawa River, Greens Creek, McEwan Creek
Receiver of discharge	McEwan Creek
Outlet location	To SWF-1625
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	0647-7WFL3M; 7612-7VCPB- DRAFT
Reference Works as part of treatment train	N/A
Brief Description	Manually operated horizontal sluice gate directing flow into SWF-1625
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1641 - SW-DPND, Dry Pond

Asset ID	SWF-1641
Facility Name	Hunt Club-Hwy 417 – McEwan
Location	Further east of Pond 2, south of HWY-417, between south on-ramp and highway. Latitude 45.38099, Longitude -75.58665
Watershed/Sub watershed	Ottawa River, Greens Creek, McEwan Creek
Receiver of discharge	McEwan Creek
Outlet location	Open Creek
Catchment Area	1.18 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	3609-98RPYA

Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 418 m^3; Discharge Rate Maximum = 0.086 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	One inlet pipe, overland flow and two outlets

SWF-1644 - OGS Unit, Vortech, VT-16000

Asset ID	SWF-1644
Facility Name	Alta Vista Link Vortech-1 (Model 16000)
Location	Greenspace off Alta Vista between residential and hospital. Latitude 45.404008, Longitude -75.657018
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Rideau
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Vortech 16000
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Off-line installation

SWF-1645 - OGS Unit, Vortech, VT-1319

Asset ID	SWF-1645
Facility Name	Alta Vista Link Vortech-2
Location	Greenspace off Alta Vista between residential and hospital. Latitude 45.403599, Longitude -75.657726
Watershed/Sub watershed	Rideau Valley, Lower Rideau, Rideau
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No

Notes / Additional Information	Vortech PC1319

SWF-1646 - OGS Unit, Vortech, 11000

Asset ID	SWF-1646
Facility Name	Alta-Vista Link Vortech 3
Location	MHST75195 45.40442, -75.66691
Watershed/Subwatershed	Rideau / Rideau River - Falls
Receiver of Discharge	Linear
Outlet Location	Rideau River
Catchment Area	1.73 ha
Level of Treatment	Level 1 (Enhanced)
Level of Volume Control	
Design Storm	1:100
Reference ECA(s)	9083-9QCH89
Reference Works as part of Treatment Train	No
Brief Description	Vortechs Model 11000 OGS
Receive Emergency Sanitary Overflows?	No
Notes / Additional Information	

SWF-1648 - OGS Unit, Vortech, VT-4000

Asset ID	SWF-1648
Facility Name	Donald St. Vortech (Model 4000)
Location	Far west end of Donald St. in front of Rideau Tennis Club, east of Adawe Crossing. Latitude 45.4268199, Longitude -75.6695792
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Falls
Receiver of discharge	Rideau River
Outlet location	Rideau River
Catchment Area	1.15 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0266-9R9M6W
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	STC-4000

SWF-1701 - SW-WPND, Wet Pond

Asset ID	SWF-1701
Facility Name	Findlay Creek SWF
Location	Findlay Creek. Entrance just south of 4795 Bank Street, north of Blais Rd. Latitude 45.31972, Longitude -75.58118
Watershed/Sub watershed	South Nation, Castor, Findlay Creek North Castor
Receiver of discharge	Findlay Creek
Outlet location	Findlay Creek
Catchment Area	522 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	36-69-8GWJ8L
Reference Works as part of treatment train	Yes, with SWF-1710
Brief Description	Stormwater Wet Pond with 6 inlet structures; 3 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 87.1mm; Normal Volume =88,888m^3; Active Volume = 142,987m^3; Discharge Rate Maximum = 10.6 m^3/s
Receive Emergency Sanitary Overflows	Yes. Overflow from Leitrim Pumping Station.
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Includes Leitrim Wetlands Control Structure

SWF-1703 - SW-WPND, Wet Pond

Asset ID	SWF-1703
Facility Name	Riverside South Pond-1 (RSP1)
Location	Opposite 564 River Road (Gloucester South Urban Community, RSP1) Latitude 45.28605, Longitude -75.69257
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	Open Channel
Catchment Area	680 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0263-96-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 3 inlet structures; 3 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 82.8mm; Normal Volume =43,500m^3; Active Volume = 199,625m^3; Discharge Rate Maximum = 0.38 m^3/s
Receive Emergency	No

Sanitary Overflows	
Sediment Disposal Area (m/2)	1,800
Notes / Additional Information	N/A

SWF-1704 - SW-WPND, Wet Pond

Asset ID	SWF-1704
Facility Name	Riverside South Pond-2 (RSP2)
Location	Riverside South, Limebank at Earl Armstrong (Stantec) Riverside South Community, Pond-2 (RSP2) Latitude 45.28405, Longitude -75.67128
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	Open Channel
Catchment Area	197.5 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1830-6H3P2S
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 86.5mm; Normal Volume =32,426m^3; Active Volume = 63,889m^3; Discharge Rate = 0.815 m^3/s; Discharge Rate Maximum = 5.57 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	Bubbler system added

SWF-1705 - SW-WPND, Wet Pond

Asset ID	SWF-1705
Facility Name	Riverside South Pond-3 (RSP3)
Location	Riverside South Pond-3, east side of Limebank Rd., north of Spratt Rd. (Stantec) Facility not fully constructed but is operational for Limebank Rd. Latitude 45.29286, Longitude -75.67331
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	Mosquito Creek
Catchment Area	6.4 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year

Reference ECA(s)	8399-7YKTTC
Reference Works as part of treatment train	Yes, with SWF-1706
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; 1 OGS; Designed for Quantity/Quality
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	700
Notes / Additional Information	Future pond to be constructed for new subdivision. Currently takes roadside drainage

SWF-1706 - OGS Unit, Vortech, VT-16000

Asset ID	SWF-1706
Facility Name	Limebank – Riverside South Pond-3 Vortechnics
Location	4161 Limebank Road Latitude 45.29306, Longitude -75.67371
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	SWF-1705
Catchment Area	6.4 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	8399-7YKTTC
Reference Works as part of treatment train	Yes, with SWF-1705
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 16000

SWF-1707 - OGS Unit, Vortech, Vt-7000

Asset ID	SWF-1707
Facility Name	Limebank – Mosquito Creek Vortechnics
Location	West side of Limebank Rd, south of Spratt Rd. Discharge into tributary of Mosquito Creek at block retaining wall. Note: Deep unit. Latitude 45.28548, Longitude -75.66981
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	Mosquito Creek
Catchment Area	N/A
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	N/A

Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 7000

SWF-1714 - OGS Unit, Vortech, PC1319

Asset ID	SWF-1714
Facility Name	Cooks Mill Vortech (Model PC1319)
Location	Next to 916 Wild Carrot, adjacent to hydro corridor. North side of Cooks Mill Cres North, west of Boothfield St. off Spratt (if no access to Cooks Mill from Limebank), Riverside South CR-2 Lands. Latitude 45.28768, Longitude -75.66676
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	10.6 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7653-8EJM3S
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech PC1319

SWF-1715 - OGS Unit, Vortech, PC11000

Asset ID	SWF-1715
Facility Name	Wild Carrot Vortech (Model PC11000)
Location	North side of Wild Carrot Cres. North (formerly McAfee Circle), west of Boothfield St. Adjacent to Lot-1 Cooks Mill Crescent, Riverside South CR-2 Lands. Latitude 45.28513, Longitude -75.6646
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	10.6 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7653-8EJM3S
Reference Works as part of	No

treatment train	
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 11000

SWF-1716 - SW-DPND, Dry Pond

Asset ID	SWF-1716
Facility Name	Cambie Dry Pond
Location	Corner of Cambie road and Spratt Road Latitude 45.269146, Longitude -75.687112
Watershed/Sub watershed	Rideau, Lower Rideau, Mosquito Creek
Receiver of discharge	Rideau River
Outlet location	Linear
Catchment Area	24.08 ha
Level of Treatment	N/A
Level of Volume control	15 l/s
Design Storm	1:100 Year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	927 m/s capacity

SWF-1804 - SW-WPND, Wet Pond

Asset ID	SWF-1804
Facility Name	Thunderbird Cove SWF
Location	Bordered by Lakes Park Dr (west of Old Prescott Rd) and Twin Lakes Ave, access from Twin Lakes Ave at Tranquil Gate and from path between Lakes Park Dr and Twin Lakes Ave. Zero discharge wet pond. Thunderbird Cove Subdivision, lots 28 to 45, surrounded by Sunset Lakes Subdivision and Sunset Lake. Latitude 45.27045, Longitude -75.58155
Watershed/Sub watershed	South Nation, Castor, Shield's Creek
Receiver of discharge	Castor River
Outlet location	Open Ditch
Catchment Area	11.4 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0736-96-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS;

	Designed for Quantity; Normal Water Level = 103.1mm; Normal Volume =8,000m^3; Active Volume = 6,340m^3; Discharge Rate Maximum = 0.02 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	N/A

SWF-1806 - SW-DPND, Dry Pond

Asset ID	SWF-1806
Facility Name	Quinn Farm Dry Pond
Location	Next to 6910 and across from 6865 Still Meadow Way. Turn right onto Still Meadow Way from Carisbrooke Grove off Old Prescott Rd. just south of Parkway Rd. Latitude 45.25609, Longitude -75.5678
Watershed/Sub watershed	South Nation, Castor, Shield's Creek
Receiver of discharge	Castor River
Outlet location	Open Ditch
Catchment Area	30.2 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	0581-947RLU
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 10,797 m^3; Discharge Rate Maximum = 1.918 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1807 - SW-CTRL, LID

Asset ID	SWF 1807
Facility Name	Nixon Drive Perf Pipes
Location	Nixon Drive, between Osgoode Main St and Duffy St 45.13997, -75.61452
Watershed/Subwatershed	N/A
Receiver of Discharge	Dry Pond
Outlet Location	Linear storm sewer
Catchment Area	N/A
Level of Treatment	N/A

Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	8304-7L9LGG
Reference Works as part of treatment train	N/A
Brief Description	Etobicoke System.
Receive Emergency Sanitary Overflows	No
Notes/Addition Information	N/A

SWF-1808 - SW-WPND, Wet Pond

Asset ID	SWF-1808
Facility Name	Reindeer Way Pond-1
Location	O'Brien Estates, 25m north of and opposite 1661 Reindeer Way. Reindeer Way off Deer meadow Dr. off Manotick Station Latitude 45.23109, Longitude -75.59864
Watershed/Sub watershed	South Nation, Castor, Grey's Creek
Receiver of discharge	Castor River
Outlet location	Greys Creek
Catchment Area	19 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	9380-68QMKZ
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 93.8mm; Normal Volume =1062m^3; Active Volume = 2094m^3; Discharge Rate = 0.033 m^3/s; Discharge Rate Maximum = 0.154 m^3/s; Detention Time = 26 Hours
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	1,500
Notes / Additional Information	N/A

SWF-1809 - SW-WPND, Wet Pond

Asset ID	SWF-1809
Facility Name	Reindeer Way Pond-2
Location	O'Brien Estates, beside 1680 Reindeer Way. Reindeer Way off Deer meadow Dr. off Manotick Station. Latitude 45.2316, Longitude -75.59797
Watershed/Sub watershed	South Nation, Castor, Grey's Creek
Receiver of discharge	Castor River
Outlet location	Greys Creek
Catchment Area	19 ha

Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	9380-68QMKZ
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 93.8mm; Normal Volume =631m^3; Active Volume = 2,050m^3; Discharge Rate = 0.005 m^3/s; Discharge Rate Maximum = 0.158 m^3/s; Detention Time = 26 Hours
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	N/A

SWF-1812 - SW-WPND, Wet Pond

Asset ID	SWF-1812
Facility Name	South Pointe Wet Pond
Location	5710 Longshadow Street Latitude 45.24583, Longitude -75.64579
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River-Long Island
Receiver of discharge	Rideau River
Outlet location	Ditch
Catchment Area	42.3 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7518-66DSMJ
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 95.95mm; Normal Volume =10,500m^3; Active Volume = 12,560m^3; Discharge Rate = 0.48 m^3/s; Discharge Rate Maximum = 1.4 m3/s; Detention Time = 50 Hours
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	1,200
Notes / Additional Information	N/A

SWF-1813 - SW-DPND, Dry Pond

Asset ID	SWF-1813
Facility Name	Longhearth Dry Pond

Location	Behind 5858 Longhearth Way Latitude 45, Longitude -75
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River-Long Island
Receiver of discharge	Rideau River
Outlet location	Ditch
Catchment Area	No Documentation Found
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7518-66DSMJ
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,234 m^3; Discharge Rate Maximum = 0.094 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	N0
Notes / Additional Information	

SWF-1816 - SW-DPND, Dry Pond

Asset ID	SWF-1816
Facility Name	Deer Valley #1
Location	Beside 6299 Deer Valley Latitude 45.240461, Longitude -75.611633
Watershed/Sub watershed	South Nation, Castor, Shield's Creek
Receiver of discharge	Castor River
Outlet location	Grey's Creek Municipal Drain
Catchment Area	19 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	9805-6HWMA9
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 418 m^3; Discharge Rate Maximum = 0.417 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Linear dry pond with catch basins and perforated pipe. Outlet

SWF-1817 - SW-DPND, Dry Pond

Asset ID	SWF-1817
Facility Name	Deer Valley #2
Location	Beside 6411 Deer Valley Latitude 45.246053, Longitude -75.607617
Watershed/Sub watershed	South Nation, Castor, Shield's Creek
Receiver of discharge	Castor River

Outlet location	Grey's Creek Municipal Drain
Catchment Area	19 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	9805-6HWMA9
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 440 m^3; Discharge Rate Maximum = 0.227 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Linear dry pond with catch basins and perforated pipe. Outlet

SWF-1818 - SW-DPND, Dry Pond

Asset ID	SWF-1818
Facility Name	Deer Valley #3
Location	Beside 6435 Deer Valley Latitude 45.247093, Longitude -75.605631
Watershed/Sub watershed	South Nation, Castor, Shield's Creek
Receiver of discharge	Castor River
Outlet location	Grey's Creek Municipal Drain
Catchment Area	19 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	9805-6HWMA9
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 664 m^3; Discharge Rate Maximum = 0.142 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Linear dry pond with catch basins and perf pipe. Outlet

SWF-1821 - SW-DPND, Dry Pond

Asset ID	SWF-1821
Facility Name	Red Castle #3
Location	Beside 5800 Red Castle Ridge 45.23959, -75.63436
Watershed/Subwatershed	Rideau/ Rideau River – Long Island
Receiver of Discharge	Ditch
Outlet Location	
Catchment Area	11.98 ha
Level of Treatment	
Level of Volume Control	310 M/3

Design Storm	1:100
Reference ECA(s)	4874-795SJE
Reference Works as part of Treatment Train	No
Brief Description	Dry Pond
Receive Emergency Sanitary Overflows?	No
Notes / Additional Information	186 l/s max discharge

SWF-1822 - SW-DPND, Dry Pond

Asset ID	SWF-1822
Facility Name	Jester Dry Pond
Location	Beside 1266 Jester Latitude 45.23668, Longitude -75.63973
Watershed/Sub watershed	Rideau, Lower Rideau, Rideau River Long Island
Receiver of discharge	Castor River
Outlet location	Open Ditch
Catchment Area	37.38 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	6315-7S9PMS
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 350 m^3; Discharge Rate Maximum = 0.470 m^3/
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Linear dry pond

SWF-1901 - SW-DPND, Dry Pond

Asset ID	SWF-1901
Facility Name	Dairy Drive SWF
Location	Behind 1001 Dairy Drive
Watershed/Sub watershed	N/A
Receiver of discharge	N/A
Outlet location	N/A
Catchment Area	25.9 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-1004-92-006
Reference Works as part of treatment train	No
Brief Description	No OGS; Active Volume = 5,000 m^3; Discharge Rate Maximum = 0.048 m^3/s; No tile drainage

Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Cleaned and repaired 2015. Hickenbottom Riser in outlet

SWF-1902 - SW-WPND, Wet Pond

Asset ID	SWF-1902
Facility Name	Taylor Creek SWF
Location	Southwest corner Hwy-174 at Trim Road, Regional Road 174
Watershed/Sub watershed	Rideau Valley, Ottawa East, Cardinal Creek
Receiver of discharge	Taylor Creek
Outlet location	N/A
Catchment Area	28
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:5 Year
Reference ECA(s)	3-2087-89-906
Reference Works as part of treatment train	No
Brief Description	1 inlet structure; No forebay; No OGS; Designed for Quantity; Discharge Rate Maximum = 0.028 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	Steel weir outlet

SWF-1903 - SW-WPND, Wet Pond

Asset ID	SWF-1903
Facility Name	Brisbois SWF
Location	Brisbois Creek at North Service Rd, 8426 Jeanne D'Arc Blvd, Prestige Circle and Rossignol Drive
Watershed/Sub watershed	Ottawa East 1
Receiver of discharge	Brisbois Creek
Outlet location	Ottawa River
Catchment Area	113.7 ha
Level of Treatment	(Level 3) Basic 65% TSS Removal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1032-4LKJE2
Reference Works as part of treatment train	No
Brief Description	1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 47mm; Normal Volume =4063m^3; Active Volume = 6537m^3; Discharge Rate Maximum = 12.8 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	N/A

SWF-1905 - SW-WPND, Wet Pond

Asset ID	SWF-1905
Facility Name	Fallingbrook SWF
Location	Southwest corner, Old 10th Line Road at St. Joseph Blvd., Latitude 45.48477, Longitude 75.49725
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 year
Reference ECA(s)	Letter from MOE
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Wet Pond with No OGS; Active Volume = 2,835 m^3; Discharge Rate Maximum = 2.55 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	N/A

SWF-1906 - SW-DPND, Dry Pond

Asset ID	SWF-1906
Facility Name	Apollo Park Pond
Location	Opposite 609 Apollo Way Latitude 45.4766, Longitude 75.48892
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	22.2 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Large headwall structure with heavy duty grill. Overflow capacity in a large depression

SWF-1907 - SW-DPND, Dry Pond

Asset ID	SWF-1907
Facility Name	Princess Louise -- Pond # 1

Location	NW corner, Prince Louise Drive & Charlemagne Blvd., Latitude 45.47756, Longitude -75.49352
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-0661-84-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 1,725 m^3; Discharge Rate Maximum = 0.07 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Catch basin in a small depression

SWF-1908 - SW-DPND, Dry Pond

Asset ID	SWF-1908
Facility Name	Princess Louise -- Pond # 2
Location	Beside 568 Princess Louise Latitude 45.4827, Longitude -75.49458
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	3-0661-84-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3,580 m^3; Discharge Rate Maximum = 0.07 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Diversion chamber. Inlet/ outlet pipe with grate

SWF-1909 - SW-DPND, Dry Pond

Asset ID	SWF-1909
Facility Name	Princess Louise -- Pond # 3
Location	Beside 668 Prince Louise Drive, south side, between Brookridge Cres. and Fallingbrook Ridge Latitude 45.48441, Longitude -75.49001
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River

Outlet location	SWF-1910
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Inlet/ outlet pipe with grate. Drains to Princess Louise Pond #4

SWF-1910 - SW-DPND, Dry Pond

Asset ID	SWF-1910
Facility Name	Princess Louise -- Pond # 4
Location	Off Prince Louise Drive, north side, between Brookridge Cres. and Fallingbrook Ridge Latitude 45.48543, Longitude -75.49053
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River
Outlet location	Fallingbrook
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Concrete channel with a large V-notch control weir and a walkway on top

SWF-1911 - SW-DPND, Dry Pond

Asset ID	SWF-1911
Facility Name	Bottriel Park Pond
Location	Opposite 1725 Bottriell Way Latitude 45.47117, Longitude -75.49008
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A

Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Ditch inlet with a concrete catch basin. 3 walls are Armour stone. Fenced on three sides

SWF-1912 - SW-DPND, Dry Pond

Asset ID	SWF-1912
Facility Name	Watters Park Pond
Location	CB near ball diamond in Watters Park, north side of Charlemagne Blvd. Latitude 45.47898, Longitude -75.48116
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Catch basin and depression

SWF-1913 - SW-DPND, Dry Pond

Asset ID	SWF-1913
Facility Name	Talcy Park Pond
Location	Beside 1355 Talcy Crescent Latitude 45.48794, Longitude -75.48072
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Depression with a concrete inlet and outlet structure. Has an underground

	component

SWF-1914 - SW-WPND, Wet Pond

Asset ID	SWF-1914
Facility Name	Millenium Park Pond
Location	Adjacent to 500 Millenium Blvd. (Ecole Secondaire Publique Gisele-Lalonde), north side of the school, Latitude 45.46961, Longitude -75.44638
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Cardinal Creek
Outlet location	Ditch
Catchment Area	35 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3329-5JWTK4
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 3 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 87.7mm; Normal Volume =21000m^3; Active Volume = 1943m^3; Discharge Rate Maximum = 1.43 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	N/A

SWF-1915 - SW-UGST, Pipe Storage

Asset ID	SWF-1915
Facility Name	Noblewood Ridge Superpipe
Location	End of paved pathway between 2233 and 2235 Nature Trail Crescent, Latitude: 45.4369; Longitude: -75.51984
Watershed/Sub watershed	Ottawa River, Mud Creek/Green Creek
Receiver of discharge	Mud Creek
Outlet location	N/A
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	N/A
Brief Description	Outlets to SWF-1928
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Weir in chamber with 300 mm orifice.

SWF-1916 - SW-CTRL, Dry Pond

Asset ID	SWF-1916
Facility Name	Blue Willow SWF
Location	Beside 2129 Blue Willow Crescent at DesPruches Avenue, Latitude 45.43473, Longitude -75.52431
Watershed/Sub watershed	Ottawa River, Green's Creek, Mud Creek
Receiver of discharge	Mud Creek
Outlet location	Ravine
Catchment Area	76 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	7464-4TWJ5Q
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with Discharge Rate = 0.62 m^3/s; Discharge Rate Medium = 0.77 m^3/s; Discharge Rate Maximum = 0.905 m^3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Multistage concrete outlet control structure in a ravine. 3 inlets and headwalls.

SWF-1917 - SW-DPND, Dry Pond

Asset ID	SWF-1917
Facility Name	Gardenway Park SWF
Location	Gardenway Drive opposite DuBuisson Crescent Latitude 45.46595, Longitude -75.48261
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	64 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3-0108-88-006
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Discharge Rate Maximum = 1.74 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Catch basin in a large sports field

SWF-1918 - SW-DPND, Dry Pond

Asset ID	SWF-1918
Facility Name	Caserta Park SFW

Location	Behind 1371 Caserta Place, Latitude 45.48696 Longitude -75.48277
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 720 m^3; Discharge Rate Maximum = 1.027 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	2 inlets and headwalls. Ditch and catch basin outlet

SWF-1919 - SW-DPND, Dry Pond

Asset ID	SWF-1919
Facility Name	Des Sapins SWF
Location	1714 Des Sapins Gardens Latitude 45.45555, Longitude -75.53529
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Berm. Inline facility. 2 headwalls. Hill slippage. Multistage

SWF-1920 - SW-CTRL, Dry Pond

Asset ID	SWF-1920
Facility Name	Rivercrest SWF
Location	Beside 6062 Rivercrest Drive Latitude 45.45252, Longitude -75.54462
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Ravine
Catchment Area	N/A

Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	In-line facility with three staged outlets. 1200 mm pipe under roadway. Discharge to ravine.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Creek is the inlet

SWF-1921 - SW-CTRL, Dry Pond

Asset ID	SWF-1921
Facility Name	Autumnridge SWF
Location	1695 Autumnridge Drive, between Autumnridge Drive and Jeanne d'Arc, north of Hunters Run Drive Latitude 45.46113, Longitude -75.53574
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Ravine
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	In-line facility with three staged outlets. Creek is both the inlet and receiver.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	1 Inlet/ headwall. Multistage outlet

SWF-1922 - SW-CTRL, Dry Pond

Asset ID	SWF-1922
Facility Name	Place Des Ravins SWF
Location	1653 Place des Ravins Latitude 45.45393, Longitude -75.5376
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Ravine
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of	No

treatment train	
Brief Description	In-line facility with a three-stage inlet. Creek is both the inlet and receiver.
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	1 Inlet/headwall. Multistage outlet. Berm. Inline of creek

SWF-1923 - SW-CTRL, Dry Pond

Asset ID	SWF-1923
Facility Name	Bilberry Creek (DesEpinettes) SWMF
Location	Bilberry Creek, south side of Avenue Des Epinettes, west of Wayside Court and east of Turnberry Road Latitude 45.46239, Longitude -75.50413
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Bilberry Creek
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Multistage outlet chamber. Inlet manhole chamber. Catch basin

SWF-1924 - SW-CTRL, Dry Pond

Asset ID	SWF-1924
Facility Name	Bilberry Creek (Wildflower) SWMF
Location	Bilberry Creek, west branch, opposite 1998 Wildflower Drive near Midsummer Terrace Latitude 45.4606, Longitude -75.5024
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Bilberry Creek
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	2961-64CRLV
Reference Works as part of treatment train	No
Brief Description	In-line facility with three staged inlets. Creek inlet has two porous weirs. The outlet includes a stilling basin.
Receive Emergency Sanitary Overflows	No

Notes / Additional Information	Culvert restriction and berm

SWF-1925 - SW-CTRL, Dry Pond

Asset ID	SWF-1925
Facility Name	Bilberry Creek (Summerlands) SWMF
Location	Bilberry Creek, east branch, Yves Richer Park, beside 1784 Summerlands Crescent by baseball dugout, Latitude 45.4625, Longitude -75.49746
Watershed/Sub watershed	Ottawa River, Ottawa East, Bilberry Creek
Receiver of discharge	Ottawa River
Outlet location	Bilberry Creek
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	Inlet is a 1200 mm stormwater pipe and headwall
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Culvert restriction and berm

SWF-1926 - SW-WPND, Wet Pond

Asset ID	SWF-1926
Facility Name	Cardinal Creek SWF
Location	Beside 1056 Watters Road, east of Trim Road. Latitude 45.48484, Longitude -75.46647
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Cardinal Creek
Outlet location	Cardinal Creek
Catchment Area	517 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	6422-4ZNFLK
Reference Works as part of treatment train	Yes, with SWF-1928
Brief Description	Stormwater Wet Pond with 2 inlet structures; 2 forebays; No OGS; Designed for Quantity/Quality; Normal Water Level = 78mm; Normal Volume =46200m^3; Active Volume = 350000m^3; Discharge Rate = 14 m^3/s; Discharge Rate Maximum = 17 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	N/A

SWF-1928 - SW-WPND, Wet Pond

Asset ID	SWF-1928
Facility Name	Page Rd SWF (EUC1)
Location	North of 2673 Pagé Rd., on the east side of Pagé, extends under hydro corridor lines. Trails Edge Subdivision Latitude 45.43515, Longitude -75.52021
Watershed/Sub watershed	Ottawa River, Greens Creek, Mud Creek
Receiver of discharge	Mud Creek
Outlet location	Mud Creek
Catchment Area	575 ha
Level of Treatment	(Level 2) Normal
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3330-4SUM4R
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 6 inlet structures; 2 forebays; 1 OGS; Designed for Quantity/Quality; Normal Water Level = 80.1mm; Normal Volume =36400m^3; Active Volume = 109010m^3; Discharge Rate = 1 m^3/s; Discharge Rate Maximum = 8 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	2,650
Notes / Additional Information	N/A

SWF-1930 - SW-WPND, Wet Pond

Asset ID	SWF-1930
Facility Name	Avalon-Aquaview
Location	2211 Tenth Line Road Latitude 45.455, Longitude -75.48168
Watershed/Sub watershed	Ottawa River, Greens Creek, Green's Creek
Receiver of discharge	Mud Creek/Green Creek
Outlet location	Linear
Catchment Area	128 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	7205-4JQHFV
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 84mm; Normal Volume =27000m^3; Active Volume = 80000m^3
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	Includes seasonal water fountain.

SWF-1932 - SW-WPND, Wet Pond

Asset ID	SWF-1932
Facility Name	Avalon West (EUC5)
Location	Behind 140 Bartonia Circle 45.44284, -75.48514
Watershed/Subwatershed	South Nation / McKinnon's Creek
Receiver of Discharge	McKinnon's Creek
Outlet Location	McKinnon's Creek
Catchment Area	255.9 ha
Level of Treatment	Level 1 (Enhanced)
Level of Volume Control	Permanent Storage 106,087 m/3 Total Storage 217,211 m/3
Design Storm	1:100
Reference ECA(s)	6142-BEJHCE
Reference Works as part of Treatment Train	No
Brief Description	Wet pond with three forebays
Receive Emergency Sanitary Overflows?	Yes Receives overflow from 10th Line PS. (Latitude 45.44533, Longitude -75.47927)
Notes / Additional Information	Max discharge 12,900 l/s and 17,476 l/s under the 100 year storm to points C and E

SWF-1933 - SW-WPND, Wet Pond

Asset ID	SWF-1933
Facility Name	Renaud SWF (EUC3)
Location	South of 4th Line, by VIA rail, West of Navan Rd. Part Lot 7, Conc.4, Spring Valley Subdivision Latitude 45.42338, Longitude -75.52436
Watershed/Sub watershed	South Nation, Bear Brook, McKinnon's Creek
Receiver of discharge	McKinnon's Creek
Outlet location	McKinnon's Creek
Catchment Area	329 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7226-6GLJQM + Amendment
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 2 inlet structures; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 66.8mm; Normal Volume =19000m^3; Active Volume = 33450m^3; Discharge Rate = 1 m^3/s; Discharge Rate Maximum = 6 m^3/s
Receive Emergency Sanitary Overflows	Yes. Overflow from MHSA52417 (Latitude 45.42438, Longitude -75.51937).
Sediment Storage Area (m/2)	12,700
Notes / Additional Information	N/A

SWF-1934 - SW-DPND, Dry Pond

Asset ID	SWF-1934
Facility Name	Cambrian Heights SWF
Location	1237 Fieldoen Street Latitude 45.5105, Longitude -75.40322
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East 1
Receiver of discharge	Ottawa River
Outlet location	Open Ditch
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	7834-6MJLA
Reference Works as part of treatment train	N/A
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 3322 m^3; Discharge Rate Maximum = 1.4 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1935 - SW-DPND, Dry Pond

Asset ID	SWF-1935
Facility Name	Trudeau Fields SWF
Location	2075 Devine Road Latitude 45.35418, Longitude -75.3437
Watershed/Sub watershed	South Nation, Bear Brook, South Indian Creek
Receiver of discharge	South Indian Creek
Outlet location	Open Ditch
Catchment Area	143 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5035-4FULLY
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 16,000 m^3; Discharge Rate Maximum = 1.2 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Overgrown cattail marsh.

SWF-1937 - SW-WPND, Wet Pond

Asset ID	SWF-1937
Facility Name	Cumberland-Orleans Seniors Park Pond SWF
Location	Beside 315 Centrum Blvd (Orleans Town Centre (West)), Latitude 45.4827,

	Longitude -75.50881
Watershed/Sub watershed	Ottawa River, Ottawa East, Falling Brook
Receiver of discharge	Ottawa River
Outlet location	N/A
Catchment Area	5.96 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7167-7FJQUB
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; No forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 62.45mm; Normal Volume =388m^3; Active Volume = 822m^3; Discharge Rate Maximum = 0.145 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Storage Area (m/2)	None
Notes / Additional Information	N/A

SWF-1938 - SW-DPND, Dry Pond

Asset ID	SWF-1938
Facility Name	Montmere Dry Pond
Location	Northeast corner of Blackburn Cresc. and Montmere Ave. (Blackburn Hamlet Bypass becomes Brian Coburn Blvd becomes Blackburn Cres.) Latitude 45.45747, Longitude -75.45231
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Cardinal Creek
Outlet location	Open Ditch
Catchment Area	5.7 ha
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1789-7XUQ22
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 5,682 m^3; Discharge Rate Maximum = 0.1 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1940 - SW-UGST, Storage Tank

Asset ID	SWF-1940
Facility Name	Royal Ridge Stormwater Storage Tank
Location	One block east of Old Montreal Rd (St. Joseph) & Trim, off Old Montreal Rd., opposite Challenge Cres. (north). Royal Ridge subdivision Latitude 45.48896, Longitude -75.47527

Watershed/Sub watershed	Ottawa River, Cardinal Creek, Ottawa East
Receiver of discharge	Cardinal Creek
Outlet location	Linear
Catchment Area	7.60 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	N/A
Reference ECA(s)	5372-835QP7
Reference Works as part of treatment train	Yes, with SWF-1941
Brief Description	Active Volume = 699.2 m^3; Discharge Rate Maximum = 1.259 m^3/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1941 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1941
Facility Name	Royal Ridge Vortech-1 (North)
Location	Contech Vortech opposite the corner of Challenge Cres (N) and Antigonish (1st intersection S of Old Montreal Rd, E of Trim). Royal Ridge subdivision Latitude 45.4889, Longitude -75.47534
Watershed/Sub watershed	Ottawa River, Cardinal Creek, Ottawa East
Receiver of discharge	Cardinal Creek
Outlet location	SWF-1940
Catchment Area	4.93 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5372-835QP7
Reference Works as part of treatment train	Yes, with SWF-1940
Brief Description	Active Volume = 9.52 m^3; Discharge Rate Maximum = 311 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 7000

SWF-1942 - OGS Unit, Vortech, VT-7000

Asset ID	SWF-1942
Facility Name	Royal Ridge Vortech-2 (South)
Location	8m from road, 6m from house on North side of it (in line with house) on Antigonish nearest Trim. Royal Ridge subdivision Latitude 45.48557, Longitude -75.47368
Watershed/Sub watershed	Ottawa River, Cardinal Creek, Ottawa East
Receiver of discharge	Cardinal Creek
Outlet location	Ditch
Catchment Area	3.13 ha
Level of Treatment	(Level 1) Enhanced

Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	5372-835QP7
Reference Works as part of treatment train	No
Brief Description	Active Volume = 9.52 m^3; Discharge Rate Maximum = 311 L/s
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 5000

SWF-1951 - SW-WPND, Wet Pond

Asset ID	SWF-1951
Facility Name	Trim Rd-174 Park and Ride Lot
Location	East side of Park and Ride lot. Latitude 45.495, Longitude -75.47822
Watershed/Sub watershed	Ottawa River, Greens Creek, Greens Creek
Receiver of discharge	Mud Creek
Outlet location	Linear
Catchment Area	10.56 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	3890-8WTHP7
Reference Works as part of treatment train	No
Brief Description	Stormwater Wet Pond with 1 inlet structure; 1 forebay; No OGS; Designed for Quantity/Quality; Normal Water Level = 53.3mm; Normal Volume =1954m^3; Active Volume = 5074m^3; Discharge Rate = 0.093 m^3/s; Discharge Rate Maximum = 2.77 m^3/s
Receive Emergency Sanitary Overflows	No
Sediment Disposal Area (m/2)	None
Notes / Additional Information	N/A

SWF-1952 - SW-WPND, Wetland

Asset ID	SWF-1952
Facility Name	Linkland-Wilhaven Pond
Location	Cumberland. East of Sarsfield Rd, off Creagan Crt. Access beside 1670 Linkland Court; Discharge beside 3170 Dagg Court Latitude 45.50755, Longitude -75.36875
Watershed/Sub watershed	Ottawa River, Ottawa East, Ottawa East 1
Receiver of discharge	Ottawa River
Outlet location	Ditch
Catchment Area	19.5 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year

Reference ECA(s)	1822-83CLQM
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with Active Volume = 1,218 m^3
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1953 - OGS Unit, Vortech, VT-11000

Asset ID	SWF-1953
Facility Name	Brian Coburn - Page OGS
Location	On Brian Coburn east of Page Rd, discharges into south cell of Page Pond Latitude 45.43536, Longitude -75.51929
Watershed/Sub watershed	Ottawa River, Greens Creek, Greens Creek
Receiver of discharge	Mud Creek/Greens Creek
Outlet location	SWF-1928
Catchment Area	N/A
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	N/A
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	Vortech 11000

SWF-1954 - OGS Unit, Vortech, Vt-2000

Asset ID	SWF-1954
Facility Name	Brian Coburn - Navan OGS
Location	In roundabout, intersection of Brian Coburn and Navan Rds., Discharge to roadside ditch. Latitude 45.43206, Longitude -75.524317
Watershed/Sub watershed	Ottawa River, Greens Creek, Greens Creek
Receiver of discharge	Mud Creek/Greens Creek
Outlet location	Ditch
Catchment Area	0.775 ha
Level of Treatment	(Level 1) Enhanced
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	7002-A9SLGL
Reference Works as part of treatment train	No
Brief Description	N/A
Receive Emergency Sanitary Overflows	No

Notes / Additional Information	Vortech 2000

SWF-1955 - SW-DPND, Dry Pond

Asset ID	SWF-1955
Facility Name	Avalon Dry Pond-1
Location	South side of Scala Ave., east of Esprit Dr., between Lot 45 and 46. Drains to DICB on west side. Avalon Stage IV, Latitude 45.4625333333333, Longitude -75.4747333333333
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Cardinal Creek
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1286-52QQZ5
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 725 m^3; Discharge Rate Maximum = 1.105 m^3/s; Includes tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1956 - SW-DPND, Dry Pond

Asset ID	SWF-1956
Facility Name	Avalon Dry Pond-2
Location	North side of Scala Ave., east of Esprit Dr., west of Lot 52. Drains to catch basin in southeast corner. Avalon Stage IV. Latitude 45.4629666666667, Longitude -75.4747166666667
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Cardinal Creek
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1286-52QQZ5
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 725 m^3; Discharge Rate Maximum = 1.105 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1957 - SW-DPND, Dry Pond

Asset ID	SWF-1957
Facility Name	Avalon Dry Pond-3
Location	Southeast corner of Esprit Dr. and Innes Rd., north of Marshfield Rd. Drains to catch basin on south side, towards east corner. Avalon Stage IV. Latitude 45.4643666666667, Longitude -75.4753166666667
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Cardinal Creek
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1286-52QQZ5
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 725 m^3; Discharge Rate Maximum = 1.105 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1958 - SW-DPND, Dry Pond

Asset ID	SWF-1958
Facility Name	Avalon Dry Pond-4
Location	In the field northeast of Scala Ave. and Balance Dr. Drains on the southeast corner. Avalon Stage IV. Latitude 45.4629166666667, Longitude -75.47045
Watershed/Sub watershed	Ottawa River, Ottawa East, Cardinal Creek
Receiver of discharge	Cardinal Creek
Outlet location	Linear
Catchment Area	N/A
Level of Treatment	N/A
Level of Volume control	N/A
Design Storm	1:100 Year
Reference ECA(s)	1286-52QQZ5
Reference Works as part of treatment train	No
Brief Description	Stormwater Dry Pond with No OGS; Active Volume = 250 m^3; Discharge Rate Maximum = 1.105 m^3/s; No tile drainage
Receive Emergency Sanitary Overflows	No
Notes / Additional Information	N/A

SWF-1967 - SW-DPND, Dry Pond

SWF-1967 - SW-DPND, Dry Pond	SWF-1967
Facility name	Plainhill Drive Dry Ponds
Watershed/Sub Watershed	Ottawa/Cardinal Creek
Reciever of Discharge	Linear
Outlet Location	
Catchment Area	85 ha
Level of Treatment	
Level of Volume Control	6,640 m/3
Design Storm	
Reference ECA(s)	5613-6KANCP
Reference works as part of treatment train	No
Brief Discription	3 Dry ponds in Park
Sewdiment Disposal Area	None
Notes	273 l/sec discharge

Appendix C – Stormwater Management Facilities

The following are Stormwater Pumping Stations in the Authorized System:

Bentley Pump Station

Name	Bentley Pump Station
Site Location	1 Bentley Ave, Nepean, ON K2E 6T9
Watershed/Sub watershed	Rideau / Rideau Reach 3
Latitude and Longitude	45.3378272629997 and -75.7083940709497
Coordinates (optional)	18 N 444497 5020724
Description	A submersible concrete wet well pump station that discharges to a force main. The facility was designed to operate as a wet pond with automatic batch treatment of runoff from a one in five-year rainfall event during the swimming season,
Pumping Station Capacity	725 L/s
Equipment	2 pumps (1 duty, 1 standby) with 6.7m TDH. One (1) wet well of 195 m^3 capacity. The station is discharging to 200 mm diameter force main.
Emergency storage	None
Equipment: Associated controls and appurtenances	Level Transmitter, High-High Level Float, Low-Low Level Float.
Overflow	N/A
Standby Power	N/A
Reference ECAs	3-0979-80-006
Notes	No discharge to the receiving watercourse to take place until at least 24 hours after each storm.

Grandeur & Croft Pump Station

Name	Grandeur & Croft Pump Station
Site Location	2878 Grandeur Ave, Ott., K2B 6Z1
Watershed/Sub watershed	Ottawa / Ottawa Britannia Bay
Latitude and Longitude	45.3612562851783 and -75.8033286169831
Coordinates (optional)	18 N 437085 5023397
Description	A submersible wet well pump station that discharges to a force main.
Pumping Station Capacity	284 L/S at 12.8 FLYGT CP 3300-LT
Equipment	1 pump (1 duty, 0 standby) with 12.8m TDH. 1 wet well and diversion chamber (6.5m x 2.3m). The station is discharging to 300 mm diameter cast iron/PVC force main.
Emergency storage	None

Equipment: Associated controls and appurtenances	Milltronics level control and floats.
Overflow	N/A
Standby Power	N/A
Reference ECAs	No ECA.
Notes	N/A

Kempster Pump Station

Name	Kempster Pump Station
Site Location	24 Kempster K2B 8B2, Ott., K2B 8B2
Watershed/Sub watershed	Ottawa / Ottawa Britannia Bay
Latitude and Longitude	45.3565097313711 and -75.8075437131345
Coordinates (optional)	18 N 436749 5022873
Description	Pumping station that is activated when the Ottawa River level reaches a threshold in order not to overwhelm the storm sewers. A submersible pump that discharges to a forcemain directly into the Ottawa river.
Pumping Station Capacity	284 L/S at 12.8m TDH FLYGT CP 3300-LT
Equipment	1 submersible pump (1 duty, 0 standby) with 12.8m TDH. 1 wet well of 59.8m^3 capacity. The station is discharging to 300 mm diameter force main.
Emergency storage	None
Equipment: Associated controls and appurtenances	N/A
Overflow	N/A
Standby Power	N/A
Reference ECAs	No ECA
Notes	N/A

Lees Ave. Pump Station

Name	Lees Ave. Pump Station
Site Location	195 Lees Ave., Transitway Stn., Ott., K1Z 5A6
Watershed/Sub watershed	Rideau / Rideau River - Falls
Latitude and Longitude	45.4161023596517 and -75.6698770100956
Coordinates (optional)	18 N 447587 5029394
Description	Pumps stormwater collected from the Lees Avenue Transitway (contaminated site) to an outfall into the Rideau River southeast of Algonquin College. A submersible concrete wet well pump station that discharges to a forcemain.
Pumping Station Capacity	1050 L/s (3 submersible pumps each with 350 LPS

	capacity)
Equipment	3 pumps (2 duty, 1 standby) with 10.2m TDH. A wet well of 725m^3 capacity. The station is discharging to 600mm diameter force main and has a 6.6m x 3.5m grit chamber with overflow.
Emergency storage	None
Equipment: Associated controls and appurtenances	2 floats, including backup, ultrasonic, both manufactured by Milltronics
Overflow	N/A
Standby Power	Diesel Generator rated at 250 kW with 900L fuel tank.
Reference ECAs	3294-67APJQ
Notes	N/A

Ritchie Pump Station

Name	Ritchie Pump Station
Site Location	Ottawa River Bike Path, 53 Scrivens St., Ottawa, ON K2B 6Z6
Watershed/Sub watershed	Ottawa / Ottawa Britannia Bay
Latitude and Longitude	45.3600119055612 and -75.804676503918
Coordinates (optional)	18 N 436978 5023259
Description	Pumping station that is activated when the Ottawa River level reaches a threshold in order not to overwhelm the storm sewers. A submersible pump that discharges to a forcemain directly into the Ottawa river.
Pumping Station Capacity	284 L/s, 12.8m TDH
Equipment	1 submersible pump (1 duty, 0 standby) with 12.8m TDH. 1 wet well of 59.8m^3 capacity. The station is discharging to 300 mm diameter PVC force main.
Emergency storage	None
Equipment: Associated controls and appurtenances	Milltronics level control and floats
Overflow	N/A
Standby Power	N/A
Reference ECAs	No ECA
Notes	N/A

Windsor Park Pump Station

Name	Windsor Park Pump Station
Site Location	1324 Bank St. Park K1S 3Y4
Watershed/Sub watershed	Rideau / Rideau River - Falls

Latitude and Longitude	45.3914221090509 and -75.6775620765447
Coordinates (optional)	18 N 446963 5026657
Description	Pumping station that is activated when the Ottawa River level reaches a threshold in order not to overwhelm the storm sewers. A submersible pump that discharges to a forcemain directly into the Ottawa river.
Pumping Station Capacity	500 L/s
Equipment	2 pumps (1 duty, 1 standby) with 7.6m TDH. 1 wet well of 189m^3 capacity. The station is discharging to 450mm diameter force main to ultimately outfall to the Rideau River.
Emergency storage	None
Equipment: Associated controls and appurtenances	Milltronics and floats
Overflow	N/A
Standby Power	N/A (no generator)
Reference ECAs	N/A (No ECA exists)
Notes	N/A

St Joseph Pump Station

Name	St Joseph Pump Station
Site Location	111 Sussex, (Forsey St. & Bruyere St.)
Watershed/Sub watershed	Ottawa / Bilberry Creek
Latitude and Longitude	45.43617108144 and -75.6864355536014
Coordinates (optional)	18 N 446310 5031634
Description	This is a stormwater station that is used when the Ottawa River level is surcharging the stormwater drains. A submersible pump that discharges to a force main.
Pumping Station Capacity	57 L/s FLYGT 3170 25 HP
Equipment	1 submersible pump (1 duty, 0 standby) with 9m TDH. 1 wet well 3.7m deep. The station is discharging to 250mm diameter force main.
Emergency storage	None
Equipment: Associated controls and appurtenances	Milltronics and Hi/Low Level Floats
Overflow	N/A
Standby Power	N/A. No standby power.
Reference ECAs	N/A (No ECA exists)
Notes	N/A

Cedarview Pump Station

Name	Cedarview Pump Station

Site Location	3103 Cedarview Rd., K2J 4A8. south of temp. Rd. at tracks
Watershed/Sub watershed	Rideau / Barrhaven Creek
Latitude and Longitude	45.262929595983 and -75.7700465516238
Coordinates (optional)	18 N 439587 5012448
Description	This is a stormwater pumping station used to drain the pedestrian underpass.
Pumping Station Capacity	8.0L/s, 6.5m TDH.
Equipment	2 pumps (1 duty, 1 standby) with 6.5m TDH. 1 wet well (1.8m diameter steel). The station is discharging to 100mm diameter PVC force main.
Emergency storage	None
Equipment: Associated controls and appurtenances	N/A
Overflow	N/A
Standby Power	N/A. No standby power.
Reference ECAs	N/A (No ECA exists)
Notes	N/A

Craig Henry Pump Station

Name	Craig Henry Pump Station
Site Location	54 Saddlebrook St., K2J 5N5
Watershed/Sub watershed	Ottawa / Graham Creek
Latitude and Longitude	45.3358671777098 and -75.7737479700277
Coordinates (optional)	18 N 439374 5020553
Description	A stormwater pumping station to alleviate flooding. A storm water pump station that discharges to a force main.
Pumping Station Capacity	7.5 L/s, 6.6m TDH.
Equipment	2 pumps (1 duty, 1 standby) with 6.6m TDH. 1 wet well of 1.54 m^3 capacity. The station is discharging to 75mm diameter force main.
Emergency storage	None
Equipment: Associated controls and appurtenances	N/A
Overflow	N/A
Standby Power	Connections for portable standby generator.
Reference ECAs	4580-7F9QYW
Notes	N/A

Dolan/Antler Pump Station

Name	Dolan/Antler Pump Station
Site Location	Pedestrian Underpass Dolan Dr./Antler Ave./ Vallant St.,

	Nepean
Watershed/Sub watershed	Rideau / Barrhaven Creek
Latitude and Longitude	45.2717984498013 and -75.7577415468954
Coordinates (optional)	18 N 440561 5013424
Description	A storm pump station that discharges to a force main.
Pumping Station Capacity	4.84 L/s
Equipment	2 pumps (1 duty, 1 standby) with 2.8m TDH. 1 wet well of 1.64 m^3 capacity. The station is discharging to 75mm diameter force main.
Emergency storage	1.64 m3
Equipment: Associated controls and appurtenances	N/A
Overflow	N/A
Standby Power	Connections for portable standby generator.
Reference ECAs	4580-7F9QYW
Notes	N/A

Brewer Park Pump Station

Name	Brewer Park Pump Station
Site Location	100 Brewer Way, K1S 5T1
Watershed/Sub watershed	Rideau / Rideau River - Falls
Latitude and Longitude	45.3894770888797 and -75.6917923694105
Coordinates (optional)	18 N 445847 5026451
Description	This is a groundwater pumping station. Submersible pumps discharging to a force main.
Pumping Station Capacity	725 L/s
Equipment	2 pumps (1 duty, 1 standby) with 8.5m TDH. 1 wet well of 162.5m^3 capacity. The station has two (2) 610mm diameter force mains to discharge chambers, outfalls to the Rideau River by gravity.
Emergency storage	N/A
Equipment: Associated controls and appurtenances	Two 54"x54" sluice gates and one 30"x30" sluice gate. Ultrasonic level transmitter, float switch, manual bar screen.
Overflow	N/A
Standby Power	N/A
Reference ECAs	4047-4Y4PVN
Notes	N/A

Dogwood Drive Pump Station

Name	Dogwood Drive Pump Station

Site Location	3016 Munster Rd., K0A 2Z0
Watershed/Sub watershed	Rideau / Jock Upstream City Reach
Latitude and Longitude	45.1597254956091 and -75.9333029123469
Coordinates (optional)	18 N 426646 5001118
Description	This is a groundwater pumping station. A concrete (single) wet well that draws down groundwater levels and diverts flows to local drainage swale.
Pumping Station Capacity	44 L/s. Two (2) FLYGT Model NP 3127 MT7. 5HP, 600V.
Equipment	2 pumps (1 duty, 1 standby) with 2.8m TDH. 1 wet well of 44.55 m^3 capacity. The station has two (2) 200mm diameter force mains to local drainage swale.
Emergency storage	44 m3
Equipment: Associated controls and appurtenances	Multiranger Model 100 c/w Ultrasonic Level Transmitter (Model Siemens XPS15) and MultiTrobe (MTIC Model 10 c/w Sensor Model MTISB10)
Overflow	N/A
Standby Power	Diesel Generator located at the Munster 1 sanitary pumping station (PS).
Reference ECAs	N/A. PTTW: 0412-BPDJX8 (June 4, 2020)
Notes	Connected to the Diesel Generator located at Munster 1 PS.

Greenbank Pump Station

Name	Greenbank Pump Station
Site Location	1025 Greenbank Rd., K2J 1X8
Watershed/Sub watershed	Rideau / Barrhaven Creek
Latitude and Longitude	45.2778505729108 and -75.7500635474389
Coordinates (optional)	18 N 441170 5014090
Description	Stormwater pumping station with purpose to protect the road grade separation from flooding during wet weather events with return periods of up to 100-year.
Pumping Station Capacity	1280LPS
Equipment	3 pumps (2 duty, 1 standby) with 10.5m TDH and 640LPS each. 1 wet well of 332.11 m^3 capacity. The station has three (3) 525mm diameter force mains
Emergency storage	Dry Pond 609 m3
Equipment: Associated controls and appurtenances	Primary – MultiRanger 200 ultrasonic (SWLIT01) Standby – Multitrode ceramic capacitance-type pressure transducer (analogue) and conductive-type discrete level outputs (SWLIT02)
Overflow	N/A
Standby Power	Diesel Generator (300 kW, 375 kVa standby power). Fuel tank size of 1875 L.
Reference ECAs	5363-AH4PJ3 issued January 13, 2017.
Notes	N/A

Glen Cairn Pump Station

Name	Glen Cairn Pump Station
Site Location	26 Lombardo Dr., Ottawa, ON, K2L 4C7
Watershed/Sub watershed	Ottawa / Carp Upstream Reach
Latitude and Longitude	45.3012410518548 and -75.8877761865163
Coordinates (optional)	18 N 430397 5016799
Description	N/A
Pumping Station Capacity	150 L/s per pump.
Equipment	Two (2) 15 HP Submersible pumps Ultrasonic level measurement Multitrode backup level measurement SCADA communications
Emergency storage	Hybrid Pond Capacity 5,582 m3
Equipment: Associated controls and appurtenances	300mm diameter wet well. Two (2) submersible pumps (1 duty and 1 standby). 250mm diameter outlet force main. Glen Cairn wet pond: located on the west side of Terry Fox Drive, north of Castlefrank Road, upstream of an existing quantity control facility (Glen Cairn dry pond), with a sediment forebay. Permanent pool volume of 5,590 m^3 and an extended detention volume of 2,440 m^3, discharging at an average release rate of 0.028 m^3/s over a duration of 24 hours to the Glen Cairn dry pond, ultimately discharging to the Carp River.
Overflow	N/A
Standby Power	N/A
Reference ECAs	2152-9EFQ3S
Notes	N/A