PATERSON GROUP

Phase I Environmental Site Assessment

912 David Manchester Road

Ottawa, Ontario

Prepared for Olu Austin Ayeni

Report: PE5923-1
November 29, 2022

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Pastor Olu Austin Ayeni to conduct a Phase I Environmental Site Assessment (ESA) for the property at 912 David Manchester Road in the City of Ottawa, Ontario (the Phase I Property). The purpose of this Phase I ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I ESA Property.

According to the historical research, the Phase I ESA Property has never been developed and was historically used for agricultural purposes. The surrounding lands have been used for agricultural and residential purposes and remain largely undeveloped as well.

Following the historical research, a site visit was conducted. The Phase I ESA Property is undeveloped and is treed with dense underbrush along the David Manchester Road property boundary. No concerns were identified with respect to the Phase I ESA Property. No off-site PCAs that would result in APECs on-site were identified during the site visit.

Based on our findings during this assessment, **it is our opinion that a Phase II Environmental Site Assessment is not required for the subject property.**

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1.0 INTRODUCTION

At the request of Pastor Olu Austin Ayeni, Paterson Group (Paterson) conducted a Phase I Environmental Site Assessment (Phase I ESA) for 912 David Manchester Road in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I ESA was to research the past and current use of the Phase I ESA Property and properties within the Phase I Study Area to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Pastor Olu Austin Ayeni of the Chapel of Grace. The mailing address for Pastor Ayeni is 216 Dutchmans Way, Nepean, ON, K2J 5W5. He can be reached by telephone at (613) 791-1332.

This report has been prepared specifically and solely for the above-noted project, described herein. It contains all of our findings and results of the environmental conditions at this site.

This Phase I ESA report has been prepared under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O.Reg.) 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

2.0 PHASE I PROPERTY INFORMATION

Address:	912 David Manchester Road, Ottawa, Ontario
Legal Description:	Part of Lot 9, Concession 4, Huntley, Part 1 on Plan 5R13359; Subject to N463766; subject to Execution 98-000367, if enforceable; West Carleton description amended on 1999/12/16.
Location:	The site is located on the eastern side of David Manchester Road between McGee Side Road and Northshire Drive in the Carp (Huntley) area of the City of Ottawa, Ontario. Refer to Figure 1 - Key Plan in the Figures section following the text.
PIN:	04538-0088
Latitude and Longitude:	5°17'27.09" N, 76° 0'51.73" W

Site Description:

Configuration:	Irregular
Area:	2.23 hectares (approximately)
Zoning:	RU – Rural Countryside.
Current Use:	The Phase I ESA Property is currently undeveloped, vacant land.
Services:	The Phase I ESA Property and surrounding properties are not in a municipally serviced area and have private water wells and septic systems.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I Environmental Site Assessment was as follows:

- ❑ Determine the historical activities on the subject site and study area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;
- ❑ Investigate the existing conditions present at the Phase I ESA Property and study area by conducting site reconnaissance;
- ❑ Conduct interviews with persons knowledgeable of current and historic operations on the Phase I ESA Property, and if warranted, neighbouring properties;
- ❑ Present the results of our findings in a comprehensive report in general accordance with the requirements O.Reg. 153/04 as amended under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01 (reaffirmed 2022);
- ❑ Provide a preliminary environmental site evaluation based on our findings;
- ❑ Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250 m was determined to be appropriate as a Phase I Study Area for this assignment. Properties outside the 250 m radius are not considered to have impacted the Phase I ESA Property based on their significant separation distance.

First Developed Use Determination

Based on a review of available information, the Phase I Property has never been developed and has historically been used, at least in part, for agricultural purposes.

Chain of Title

A chain of title was not requested for the Phase I Property as it was deemed that sufficient information could be gathered from other sources.

Previous Environmental Reports

No previous reports relevant to the Phase I Property were available for review.

Plan of Survey

A survey plan was not reviewed as part of this assessment.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on November 11, 2022. No records were found in the NPRI database for properties within the Phase I Study Area. The ERIS report, discussed further below, did not identify any NPRI records for the Phase I ESA Property or the Phase I Study Area. A copy of the ERIS report is provided in Appendix 2.

PCB Inventory

A search of provincial PCB waste storage sites was conducted. No PCB waste storage sites were reported within the Phase I Study Area. In addition, no PCB waste storage sites were identified in the ERIS report, which is provided in Appendix 2.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on November 11, 2022. The search did not reveal any areas of natural significance within the Phase I Study Area. Wooded and/or wetland areas were depicted within the study area but are not considered provincially significant.

Ministry of the Environment, Conservation and Parks (MECP) Submissions

A request was submitted to the MECP Freedom of Information (FOI) office for information with respect to reports related to environmental conditions for the Phase I Property. The MECP's response indicated that they have no records pertaining to the Phase I Property. The response is provided in Appendix 2.

MECP Instruments

The MECP Access Environment website was accessed on November 15, 2022, to search for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments. No environmental approvals or registrations were listed for the Phase I Property or the Phase I Study Area.

MECP Waste Management Records

A request was submitted to the MECP FOI office for information with respect to waste management records as a part of this assessment. The MECP's response indicated that they have no records pertaining to the Phase I Property. The response is provided in Appendix 2.

MECP Incident Reports

A request was submitted to the MECP FOI office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP as a part of this assessment. The MECP's response indicated that they have no records pertaining to the Phase I Property. The response is provided in Appendix 2.

MECP Brownfields Environmental Site Registry (ESR)

A search of the MECP Brownfields Environmental Site Registry was conducted for the Phase I ESA Property and neighbouring properties within the Phase I Study Area. No Records of Site Condition (RSCs) were filed for the Phase I ESA Property or for properties within the Phase I Study Area.

MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment document titled "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of the historical research. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants in the Province of Ontario. There are no current or former waste disposal sites located within 250 m of the Phase I ESA Property.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment document titled "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed to reference the locations of former plants with respect to the site. No Municipal Coal Gasification Plant Sites are located within the Phase I Study Area.

Environmental Risk Information Services (ERIS) Report

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I ESA Property and properties within the 250 m study area. According to the ERIS report, no records were identified for 912 David Manchester Road. The ERIS search identified several off-site records, which included MECP records related to a furnace oil leak at 925 David Manchester Road and several domestic well records for properties within the study area. Given the nature of the furnace oil spill and the distance and orientation from the Phase I Property, the historical furnace oil leak is not considered to represent an APEC on the Phase I ESA Property. A copy of the ERIS report is included in Appendix 2.

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto, was contacted on November 14, 2022, to inquire about current and former underground storage tanks, spills, and incidents for the site and neighbouring properties. No TSSA records were identified for the Phase I ESA Property or the adjacent properties by the TSSA or in the ERIS report. A copy of the TSSA correspondence and ERIS report are provided in Appendix 2.

City of Ottawa Historical Land Use Inventory (HLUI)

A search request for the City of Ottawa's Historical Land Use Inventory (HLUI 2005) database was requested as part of this assessment. At the time this report was issued, a response had not been received from the City of Ottawa. An addendum will be forwarded to the client should the response contain pertinent information. A copy of the HLUI application is provided in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the City of Ottawa's geoOttawa website were reviewed in approximate ten-year intervals. Based on the review, the following observations have been made:

1976 — The Phase I Property appears to be agricultural land; the surrounding properties are residential and/or agricultural.

1991 — The Phase I ESA Property is becoming overgrown and appears to no longer be used for crops/pasture. Some residential development has occurred on the adjacent property to the southwest. No other changes are apparent.

2002 — No significant changes appear to have been made to the Phase I Property. Highway 417, east of the Phase I Property, has been twinned and there is an additional residence on a neighbouring property to the southeast.

2011 — The Phase I Property remains vacant. A residence has been built on an adjacent property to the southeast. No other changes are apparent.

2021 — The Phase I Property remains unchanged. Some residential development has occurred south of the site. What appear to be sea containers are visible on the adjacent property to the north of the Phase I Property. Their use is unclear from the aerial photo.

Copies of selected aerial photographs reviewed are included in Appendix 1.

Physiographic Maps

The Ontario Geological Survey publication 'The Physiography of Southern Ontario, Third Edition' was reviewed as a part of this assessment. According to the publication, the Phase I ESA Property is situated within the Ottawa Sand Plain physiographic region.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the regional topography in the general area of the Phase I Property slopes down in a northwesterly direction towards the Carp River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the Phase I Property is reported to consist of limestone of the Bobcaygeon Formation, while the surficial geology reportedly consists of nearshore marine sediments including sand and glaciofluvial sediments with a drift thickness ranging from 3 to 10 m.

Water Well Records

A well record search was conducted on November 11, 2022, for all drilled wells within 250 m of the Phase I Property. No well records were identified on the Phase I Property. The search returned 5 well records for domestic supply wells in the Phase I Study Area.

The general stratigraphy in the area of the Phase I Property, based on the identified well records, consisted of sand and/or clay overlying sand and/or gravel and limestone bedrock. Some shale and sandstone were also noted in the logs. A copy of the well records has been included in Appendix 2.

Areas of Natural Significance

No areas of natural significance were identified in the Phase I Study Area.

Water Bodies

No natural water bodies were identified in the Phase I Study Area, though wetlands and a ditch (across Highway 417) are present.

5.0 INTERVIEWS

Pastor Olu Austin Ayeni was not aware of any environmental concerns with respect to the Phase I Property or properties within the study area. The current property owner, contacted via Colin Zappia, a broker with Sutton Group - Ottawa Realty, Brokerage, was not aware of any environmental concerns with respect to the Phase I Property or any of the surrounding properties.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on November 18, 2022, by personnel from Paterson's Environmental Department. In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit from publicly accessible areas.

6.2 Specific Observations at the Phase I Property

Buildings and Structures

There are no buildings or structures present on the Phase I ESA Property, with the exception of a cattle fence that runs along David Manchester Road.

Site Features

The Phase I ESA Property is undeveloped and primarily treed with dense undergrowth. The site topography is generally at the grade of the adjacent properties; regional topography generally slopes gently down in a north-westerly direction.

No evidence of current or former railway or spur lines was observed on the Phase I ESA Property at the time of the site visit. No staining or distressed vegetation was observed on-site at this time.

Subsurface Services and Utilities

The Phase I ESA Property is not situated in a municipally serviced area. Electrical and communications lines run aboveground along David Manchester Road.

Neighbouring Properties

An inspection of the neighbouring properties was conducted from publicly accessible roadways at the time of the site inspection. Land use adjacent to the subject site is as follows:

- ❒ North: Undeveloped, used for storage;
- ❒ South: Residential;
- ❒ East: Highway 417; and
- ❒ West: David Manchester Road, followed by residential.

Land use within the Phase I Study Area (250 m radius) is primarily residential. A Stinson-owned AST was observed at 907 David Manchester Road. Its presence is not considered to have resulted in an APEC on the Phase I ESA Property. No off-site PCAs were identified at the time of the site visit. Surrounding land use is shown on Drawing PE5923-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The Phase I ESA Property has never been developed and was historically used for agricultural purposes.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No PCAs or resulting APECs were identified during this assessment. Adjacent land use is shown on Drawing PE5923-2 – Surrounding Land Use Plan.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I ESA Property is reported to consist of limestone of the Bobcaygeon Formation, while the surficial geology reportedly consists of nearshore marine sediments including sand and glaciofluvial sediments with a drift thickness ranging

from 3 to 10 m. This is consistent with what was noted in the identified well records for domestic wells in the area.

Fill Placement

No evidence of fill placement has been identified.

Areas of Natural Significance

No areas of natural significance were identified in the Phase I Study Area.

Water Bodies

No natural water bodies were identified in the Phase I Study Area, though wetlands and a ditch (across Highway 417) are present.

Drinking Water Wells

No well records were identified on the Phase I Property. Domestic supply wells are present in the Phase I Study Area.

Existing Buildings and Structures

There are no buildings or structures present on the Phase I ESA Property, with the exception of a cattle fence along the boundary with David Manchester Road.

Subsurface Structures and Utilities

No subsurface structures or utilities were identified on the Phase I ESA Property.

Neighbouring Land Use

Neighbouring land use in the Phase I Study Area consists of residential use and undeveloped land.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No PCAs or APECs were identified during this Phase I ESA.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs that have resulted in APECs on the Phase I ESA Property.

A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

8.1 Assessment

Paterson Group was retained by Pastor Olu Austin Ayeni to conduct a Phase I Environmental Site Assessment (ESA) for the property at 912 David Manchester Road in the City of Ottawa, Ontario (the Phase I Property). The purpose of this Phase I ESA was to research the past and current use of the subject site and the Phase I Study Area and to identify any environmental concerns with the potential to have impacted the Phase I ESA Property.

According to the historical research, the Phase I ESA Property has never been developed and was historically used for agricultural purposes. The surrounding lands have been used for agricultural and residential purposes and remain largely undeveloped as well.

Following the historical research, a site visit was conducted. The Phase I ESA Property is undeveloped and is treed with dense underbrush along the David Manchester Road property boundary. No concerns were identified with respect to the Phase I ESA Property. No off-site PCAs that would result in APECs on-site were identified during the site visit.

Based on our findings of the assessment, **it is our opinion that a Phase II Environmental Site Assessment is not required for the subject property.**

9.0 STATEMENT OF LIMITATIONS

This Phase I Environmental Site Assessment report has been prepared under the supervision of a Qualified Person, in general accordance with O.Reg. 153/04, as amended, and meets the requirements of CSA Z768-01 (reaffirmed 2022). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information and a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as, local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

Should any conditions be encountered at the subject site and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of Pastor Olu Austin Ayeni. Permission and notification from Pastor Ayeni and Paterson will be required to release this report to any other party.

Paterson Group Inc.

Kelly Martinell, P.Eng.

Mark D'Arcy, P.Eng., QP$_{ESA}$

Report Distribution:

- ❑ Olu Austin Ayeni
- ❑ Paterson Group

10.0 REFERENCES

Federal Records
Air photos at the Energy Mines and Resources Air Photo Library.
National Archives.
Maps and photographs (Geological Survey of Canada surficial and subsurface mapping).
Natural Resources Canada – The Atlas of Canada.
Environment Canada, National Pollutant Release Inventory.
PCB Waste Storage Site Inventory.

Provincial Records
MECP Freedom of Information and Privacy Office.
MECP Municipal Coal Gasification Plant Site Inventory, 1991.
MECP document titled “Waste Disposal Site Inventory in Ontario”.
MECP Brownfields Environmental Site Registry.
Office of Technical Standards and Safety Authority, Fuels Safety Branch.
MNR Areas of Natural Significance.
MECP Water Well Record Inventory.
Chapman, L.J., and Putnam, D.F., 1984: ‘The Physiography of Southern Ontario, Third Edition’, Ontario Geological Survey Special Volume 2.

Municipal Records
City of Ottawa Document “Old Landfill Management Strategy, Phase I - Identification of Sites.”, prepared by Golder Associates, 2004.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
geoOttawa: City of Ottawa electronic mapping website.
City of Ottawa Historical Land Use Inventory (HLUI) Database

Local Information Sources
Personal Interviews.

Public Information Sources
Google Earth.
Google Maps/Street View.

Private Information Sources
ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5923-1 – SITE PLAN

DRAWING PE5923-2 – SURROUNDING LAND USE PLAN

FIGURE 1

KEY PLAN

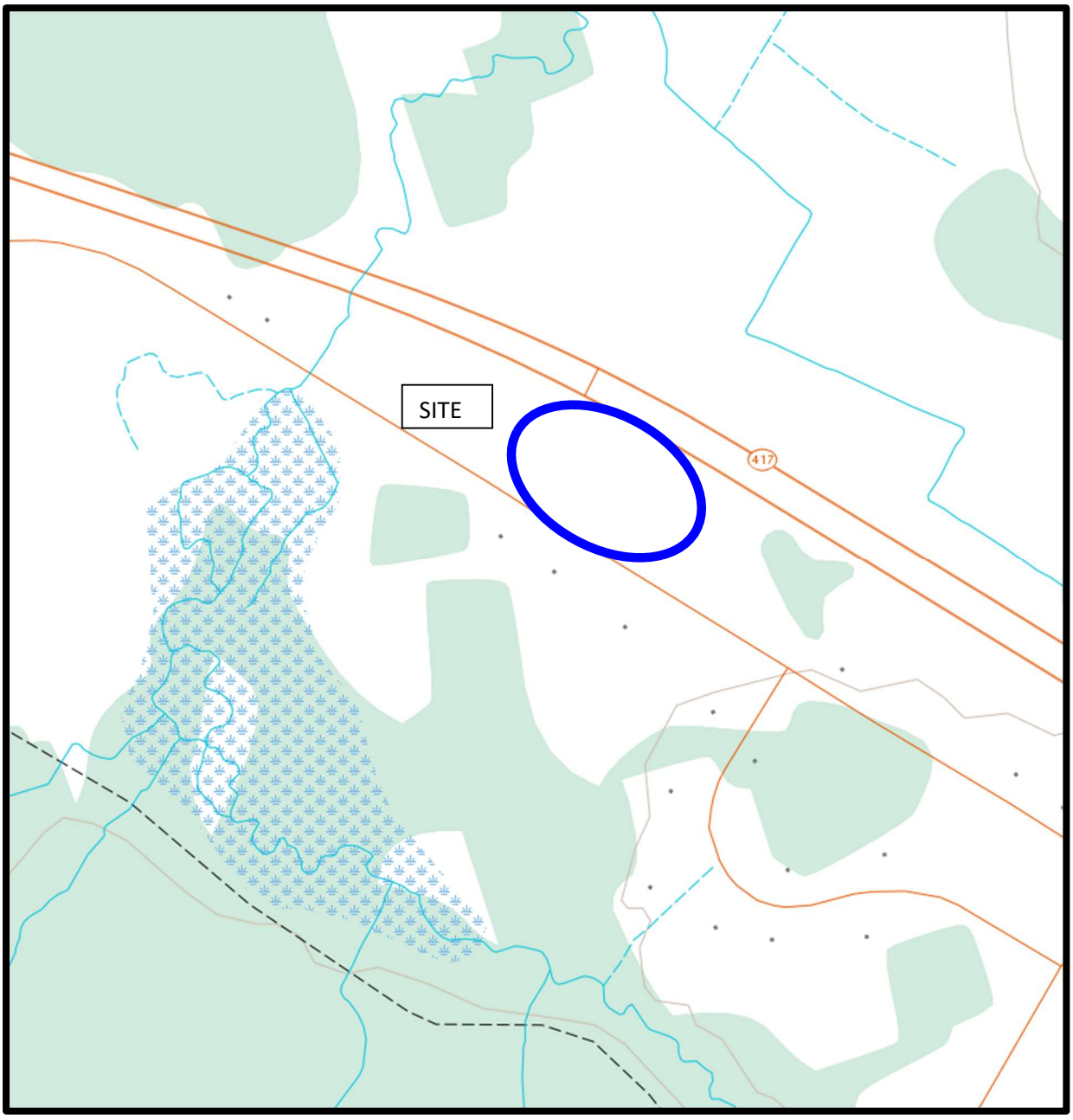

FIGURE 2

TOPOGRAPHIC MAP

HIGHWAY 417

GRASSED

HIGHWAY 417

TREED AREA

TREED AREA

TREED AREA

GRASSED & SHRUBBED

912 DAVID MANCHESTER ROAD
UNDEVELOPED LAND

904 DAVID MANCHESTER ROAD
RESIDENTIAL

896 DAVID MANCHESTER ROAD
RESIDENTIAL

UNDEVELOPED LAND

GRASSED & SHRUBBED

TREED AREA

DAVID MANCHESTER ROAD

UNDEVELOPED LAND

925 DAVID MANCHESTER ROAD
RESIDENTIAL

913 DAVID MANCHESTER ROAD
RESIDENTIAL

907 DAVID MANCHESTER ROAD
RESIDENTIAL

901 DAVID MANCHESTER ROAD
RESIDENTIAL

SCALE: 1:1000

0 10 20 30 40 50m 75m

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

MR. OLU AUSTIN AYENI

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
912 DAVID MANCHESTER ROAD

OTTAWA, ONTARIO

Title:

SITE PLAN

Scale: 1:1000	Date: 11/2022
Drawn by: JM	Report No.: PE5923-1
Checked by: KAM	Dwg. No.: PE5923-1
Approved by: MSD	Revision No.:

11x17

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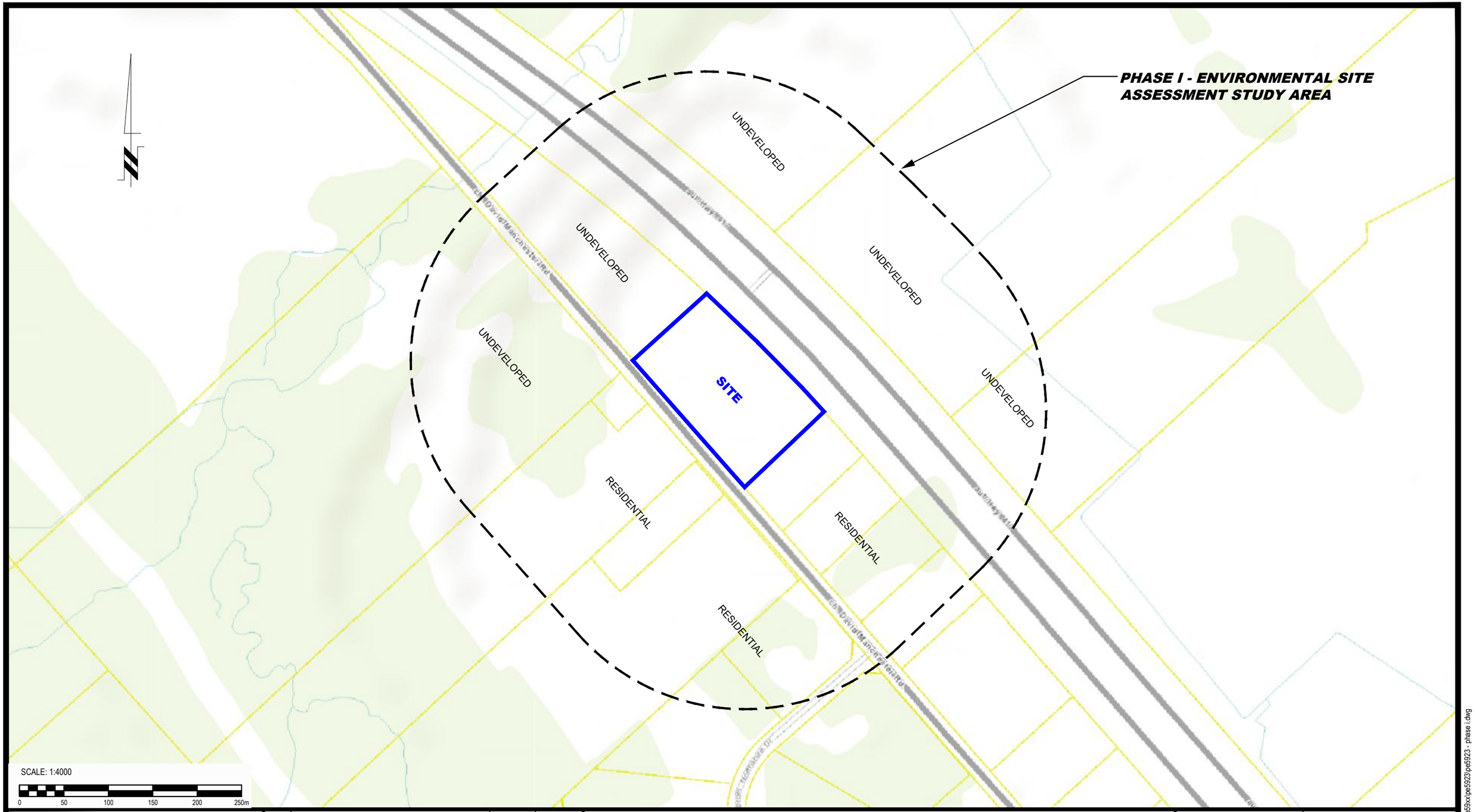

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

MR. OLU AUSTIN AYENI

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
912 DAVID MANCHESTER ROAD
OTTAWA, ONTARIO

Title:

SURROUNDING LAND USE PLAN

Scale: 1:4000	Date: 11/2022
Drawn by: JM	Report No.: PE5923-1
Checked by: KAM	Dwg. No.: PE5923-2
Approved by: MSD	Revision No.:

11x17

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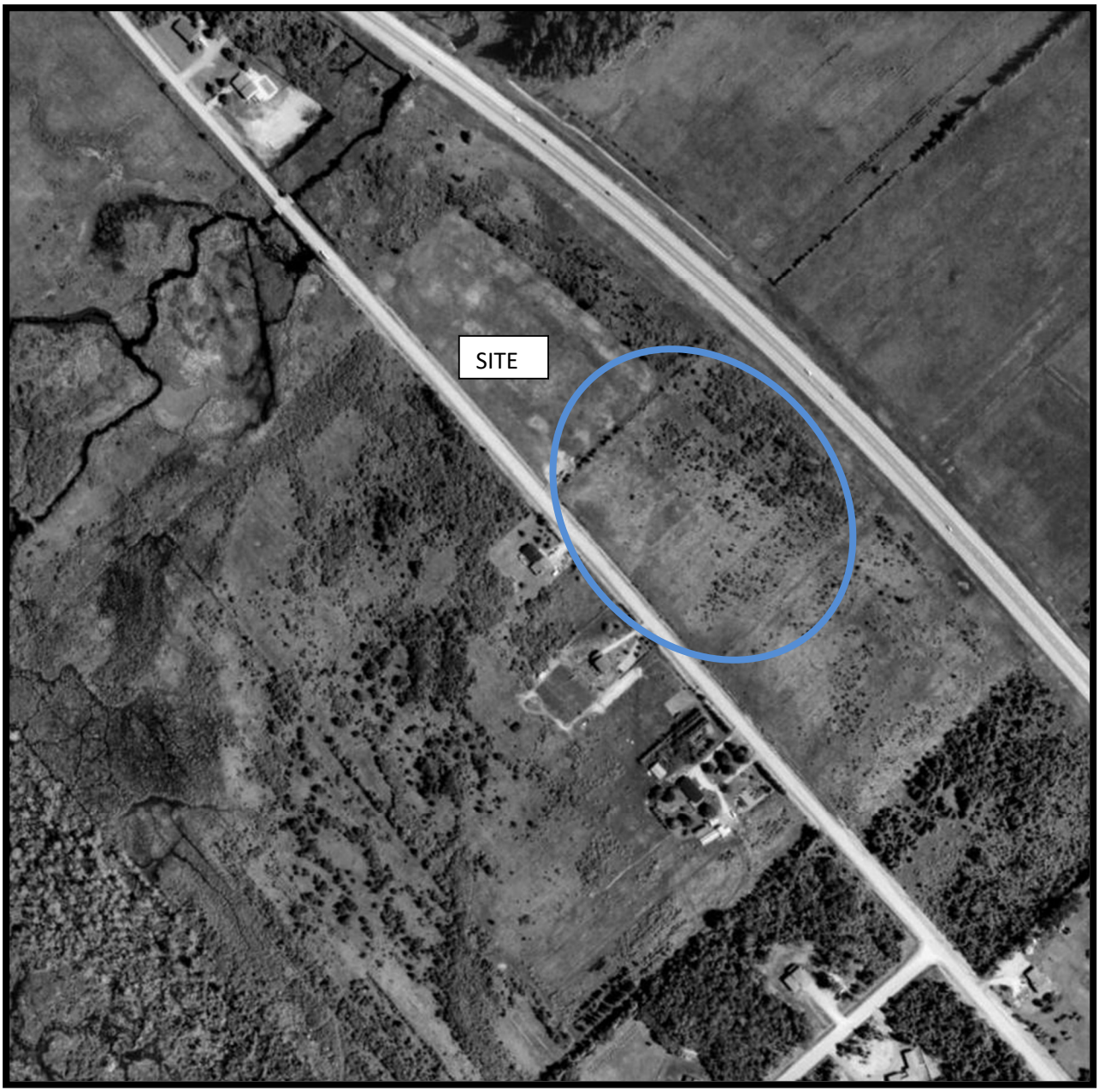
APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS

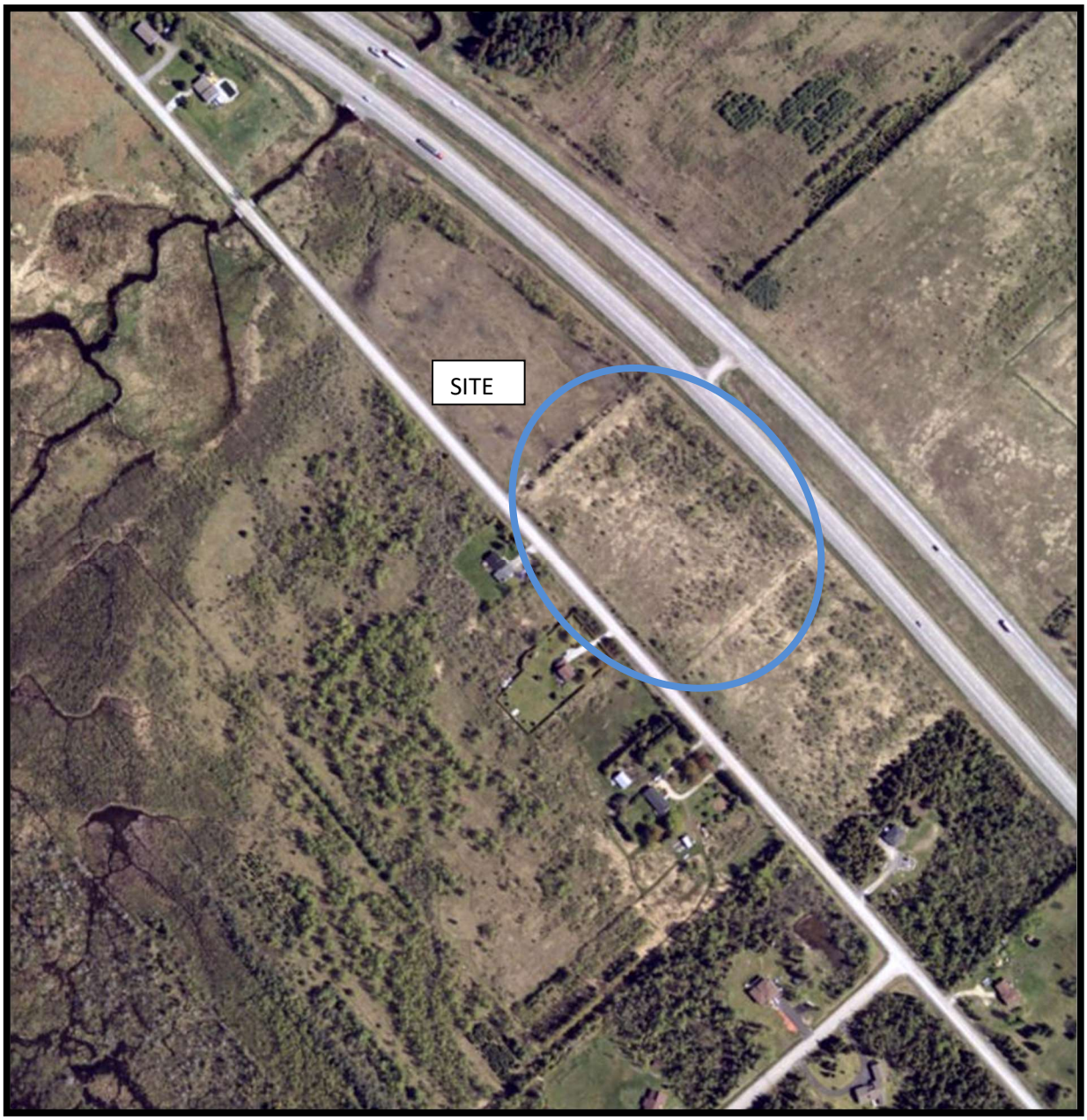
AERIAL PHOTOGRAPH
1976

PATERSON GROUP



AERIAL PHOTOGRAPH
1991

PATERSON GROUP

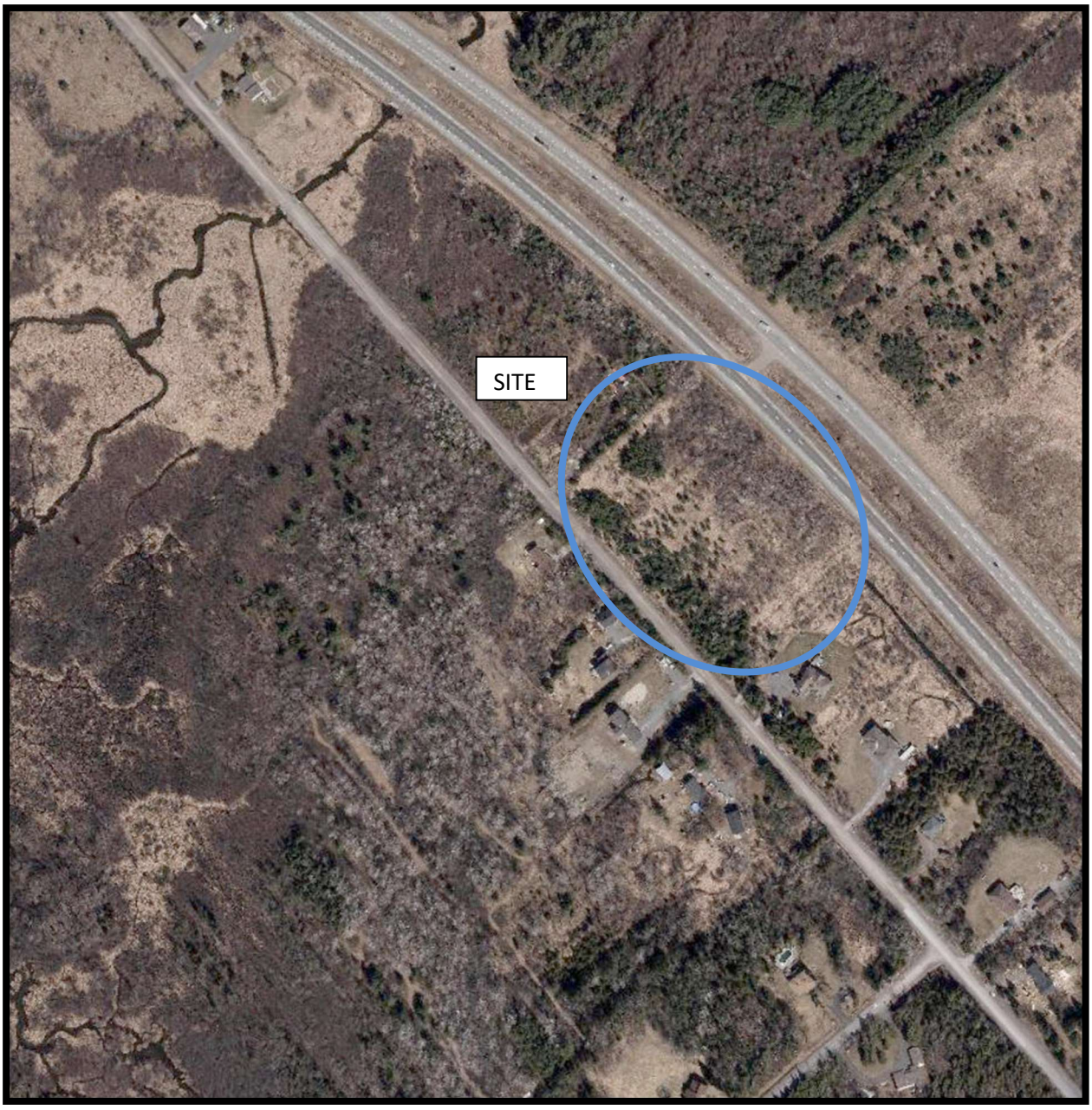


AERIAL PHOTOGRAPH
2002

PATERSON GROUP

AERIAL PHOTOGRAPH
2011

PATERSON GROUP



AERIAL PHOTOGRAPH
2021

PATERSON GROUP

Site Photographs

PE5923 912 David Manchester Road, Ottawa, ON November 18, 2022

Photograph 1: Phase I Property, looking east.

Photograph 2: View of the Phase I Property from David Manchester Road.

Photograph 3: David Manchester Road, looking south. Phase I Property on the left.

Photograph 4: Phase I Property, looking north across David Manchester Road.

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WELL RECORDS

TSSA RESPONSE

HLUI APPLICATION

ERIS REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075

November 23, 2022

Kelly Martinelli
Patterson Group INC
9 Auriga Dive
Ottawa, Alberta K2E 7T9
KMartinell@patersongroup.ca

Dear Kelly Martinelli:

RE: **MECP FOI A-2022-08093, Your Reference PE5923 – Decision Letter**

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 912 David Manchester Road, Ottawa.

After a thorough search through the files of the ministry's Ottawa District Office, Environmental Investigations and Enforcement Branch (EIEB), and Safe Drinking Water Branch (SDW) no records were located responsive to your request. **This file is now closed.**

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Tolani Abraham at Tolani.Abraham2@ontario.ca.

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn
Manager (A), Access and Privacy Office

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

1513665 | 15005 CON 04

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Huntley 3 9		8

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
[redacted]	Box 128 Carp, Ontario	DAY 22 MO 11 YR 73

420620 5015265

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
brown	sand		fill	0	4
brown	sand	clay & boulders	packed	4	12
grey	limestone			12	75

TM 18 Z 4210620

b R 5011526 5

ev. 4 R 0397

asin 26

CODED

WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
73	☒ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL
	☐ FRESH ☐ SULPHUR ☐ SALTY ☐ MINERAL

CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼	☒ STEEL ☐ GALVANIZED ☐ CONCRETE	188	0	22
6	☒ OPEN HOLE		22	53
5	☒ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE		53	75
	☐ STEEL ☐ GALVANIZED ☐ CONCRETE ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

PUMPING TEST

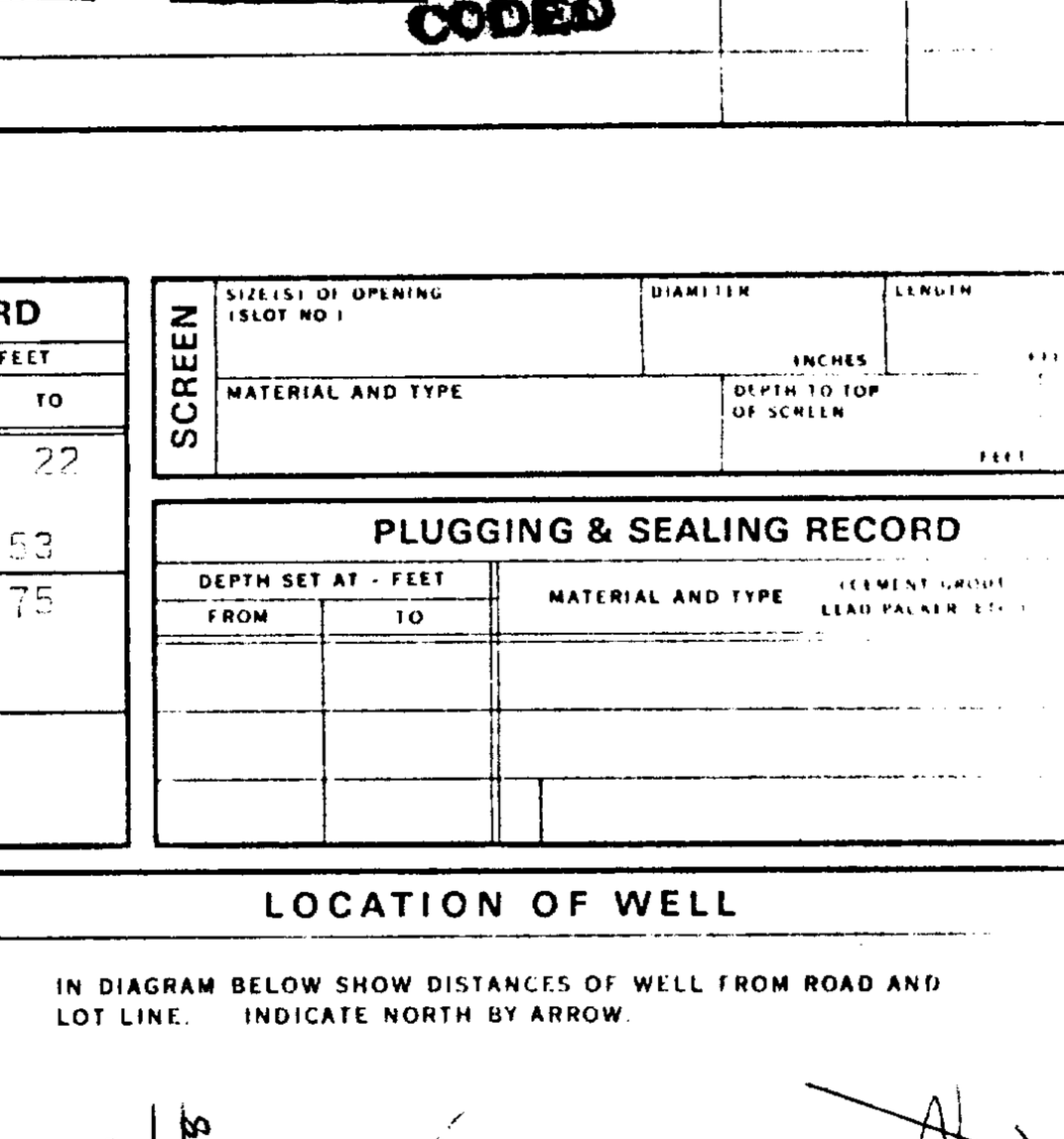
PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
☐ PUMP ☒ BAILER	15 GPM	1 HOURS ____ MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING ☒ PUMPING ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
4 FEET	45 FEET		40 FEET	40 FEET	40 FEET	40 FEET

IF FLOWING GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	☐ CLEAR ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP	RECOMMENDED PUMP SETTING: 50 FEET	RECOMMENDED PUMPING RATE: 5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

☒ WATER SUPPLY ☐ ABANDONED, INSUFFICIENT SUPPLY
☐ OBSERVATION WELL ☐ ABANDONED, POOR QUALITY
☐ TEST HOLE ☐ UNFINISHED
☐ RECHARGE WELL

WATER USE

☒ DOMESTIC ☐ COMMERCIAL
☐ STOCK ☐ MUNICIPAL
☐ IRRIGATION ☐ PUBLIC SUPPLY
☐ INDUSTRIAL ☐ COOLING OR AIR CONDITIONING
☐ OTHER ☐ NOT USED

METHOD OF DRILLING

☐ CABLE TOOL ☐ BORING
☐ ROTARY (CONVENTIONAL) ☐ DIAMOND
☐ ROTARY (REVERSE) ☐ JETTING
☐ ROTARY (AIR) ☐ DRIVING
☒ AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. — LICENCE NUMBER: 1550

ADDRESS: Box 400 Stittsville, Ontario

NAME OF DRILLER OR BORER: K. Kavanagh — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Kelly Kavanagh — SUBMISSION DATE: DAY 26 MO. 11 YR. 73

OFFICE USE ONLY

10 12 73

K P-R

CSS.38

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31F8a

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

(11) 1518254

MUNICIP 15005 CON. CGN 05

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa-Carleton	West Carleton - Huntley	Conc. 5	IV 009 4

[redacted] R. # 3; Carp, Ontario KOA 1LO

DATE COMPLETED 48-53: DAY 08 MO 03 YR 83

UTM ZONE 18 — NORTHING 015399 — EASTING 0395 — BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	TO
Gray	clay		Packed	0	8
Gray	gravel		Loose	8	10
Gray	limestone		Medium Hard	10	145
Gray	limestone		Medium Soft	145	260

MOE VF-18

(31) 00082057 9 | 00102117 7 | 01452157873 | 02602157885

(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0235'	1 ☐ FRESH 3 ☒ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
0255'	1 ☐ FRESH 3 ☒ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	TO
06	1 ☒ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	188	0	20'3" 0020
06	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☒ OPEN HOLE		20'3" 0200	
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

SIZE-SLOT OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD, PACKER, ETC.)

(71) PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: 0005 GPM — DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
000	100 FEET	15 MINUTES: 070 FEET	30 MINUTES: 100 FEET	45 MINUTES: 100 FEET	60 MINUTES: 100 FEET

IF FLOWING GIVE RATE — GPM

PUMP INTAKE SET AT — FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

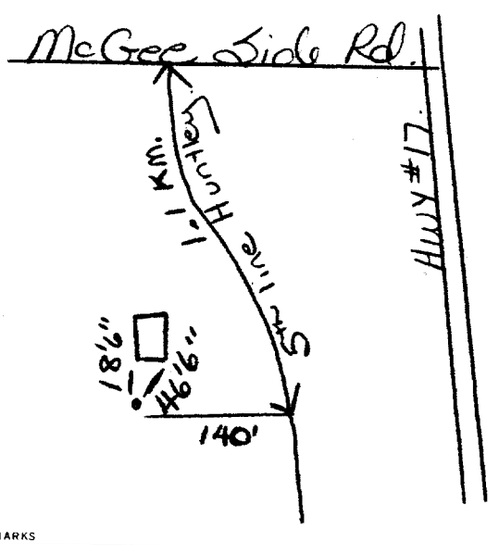
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP

RECOMMENDED PUMP SETTING: 100 FEET

RECOMMENDED PUMPING RATE: 0005 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

FINAL STATUS OF WELL (54): 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE (55-56) 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING (57) 1: 1 ☒ CABLE TOOL 100-200'; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☒ AIR PERCUSSION 100'; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. — LICENCE NUMBER: 1558

ADDRESS: Box 490; Stittsville, Ont. KOA 3G0

NAME OF DRILLER OR BORER: S. Milley / J. Moore — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE: DAY 09 MO 03 YR 83

OFFICE USE ONLY

DATA SOURCE (58): 1 — CONTRACTOR (59-62): 1558 — DATE RECEIVED (63-68): 06 06 83

DATE OF INSPECTION — INSPECTOR

REMARKS: CSS.53

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ontario Ministry of the Environment

A 095942

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Well Tag No. *(Place*: A095942

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	☐ Well Constructed by Well Owner
	Lindon Slewidge /Slewidge Contracting		

Mailing Address (Street Number/Name)	Municipality	Province	Postal Code	Telephone No. *(inc. area code)*
Box 72	Carp	ON	K0A 1L0	

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
904 David Manchester Road	West Carleton	S½ Lot 9	4

County/District/Municipality	City/Town/Village	Province	Postal Code
Ottawa-Carleton	Carp	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3	18	420515	5015657	5R-13359	Part #2

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
		Clay Sand		0	8
	Gravel			8	13
Grey & Brown	Limestone			13	365
Green & Red & Gray	Limestone			37	400

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³)
0	21	Neat cement	12.48

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, specify

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6	Steel	.188	+2	21
5 7/8	Open Hole		21	400

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☐ Water Supply
☒ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, specify
☐ Other, specify

Water Details

Water found at Depth (m/ft)	Kind of Water	Gas	Other, specify
228	☐ Fresh ☒ Untested	☐	
	☐ Fresh ☐ Untested	☐	
	☐ Fresh ☐ Untested	☐	

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	21	6"
21	400	5 7/8"

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☒ Other (specify) NOT TESTED

If pumping discontinued, give reason: X

Pump intake set at (m/ft): 275

Pumping rate (l/min / GPM): 5

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 54.9

If flowing give rate (l/min / GPM): X

Recommended pump depth (m/ft): 3/4HP-5gpm 360'

Recommended pump rate (l/min / GPM): 5

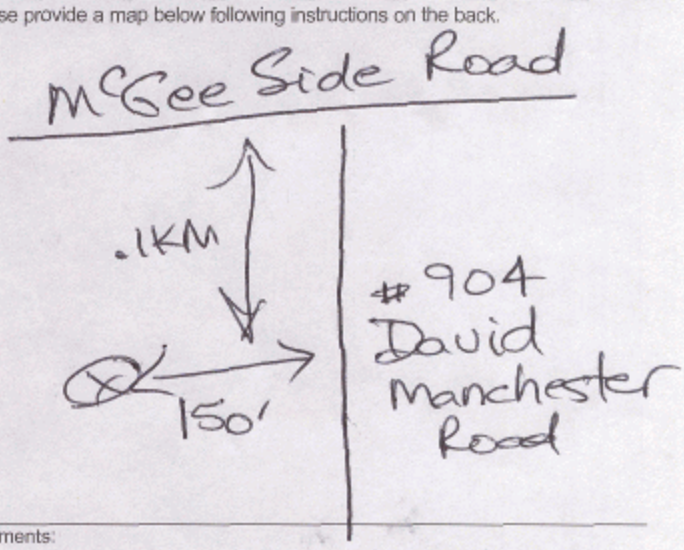
Well production (l/min / GPM): 5

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	5.7		54.9
1	7.9	1	46.6
2	1.9	2	42.7
3	13.3	3	39.4
4	15.35	4	36.2
5	17.3	5	33.2
10	24.3	10	21.5
15	29.7	15	14.6
20	34.2	20	10.2
25	38.1	25	7.5
30	41.2	30	5.7
40	46.85	40	5.7
50	51.4	50	5.7
60	54.9	60	5.7

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
Air Rock Drilling Co. Ltd	#1119

Business Address (Street Number/Name)	Municipality	Province	Postal Code	Business E-mail Address
6659 Franktown Road RR#1	Richmond	ON	K0A 2Z0	air-rock@sympatico.ca

Bus. Telephone No. *(inc. area code)*	Name of Well Technician (Last Name, First Name)	Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
6138382170	Graham, Ryan	T3484		2010 07 19

Well owner's information package delivered: ☒ Yes ☐ No

Date Package Delivered: 2010 06 23

Date Work Completed: 2010 06 22

Ministry Use Only

Audit No. Z 108401

Received AUG 05 2010

0506E (12/2007)

Ministry's Copy

Ontario — Ministry of the Environment

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. (Place Sticker and/or Print Below)

Tag#: A151643

Well Record

Regulation 903 Ontario Water Resources Act

Page _____ of _____

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
896 DAVID MANCHESTER			

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA CARELTON	CARP	Ontario	K0A 1L0

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	420594	5015613		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN	SAND	CLAY	FILL	0	4
BROWN	CLAY	SANDY STONES	TILL	4	23
GREY	LIMESTONE	LAYERS OF BROWN LIMESTONE		23	219

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³) yd³
0	17	BENTONITE GROUT	ø192
17	26½	CEMENT GROUT	ø150

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☒ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
6¼	STEEL	ø188	0+3	26½
6	OPEN HOLE		26½	219

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

Water found at Depth	Kind of Water	
93 (m/ft) ☐ Gas	☐ Fresh ☒ Untested	☐ Other, *specify*
207+ (m/ft) ☐ Gas	☐ Fresh ☒ Untested	☐ Other, *specify*
(m/ft) ☐ Gas	☐ Fresh ☐ Untested	☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	Depth (m/ft) To	Diameter (cm/in)
0	219	6"

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* CLEARING

If pumping discontinued, give reason: —

Pump intake set at (m/ft): 200

Pumping rate (l/min / GPM): 12

Duration of pumping: 1 hrs + 0 min

Final water level end of pumping (m/ft): 30.49

If flowing give rate (l/min / GPM): —

Recommended pump depth (m/ft): 80

Recommended pump rate (l/min / GPM): 12

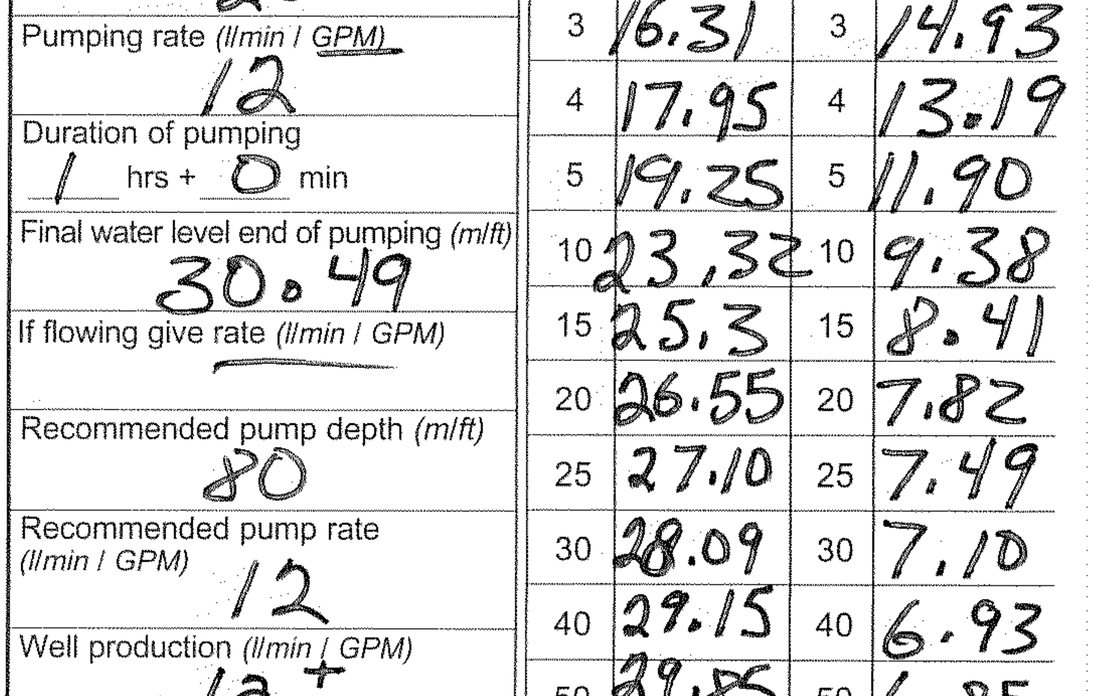
Well production (l/min / GPM): 12+

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	5.6		
1	10.8	1	22.85
2	14.05	2	17.75
3	16.31	3	14.93
4	17.95	4	13.19
5	19.25	5	11.90
10	23.32	10	9.38
15	25.3	15	8.41
20	26.55	20	7.82
25	27.10	25	7.49
30	28.09	30	7.10
40	29.15	40	6.93
50	29.85	50	6.85
60	30.49	60	6.81

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
SAUNDERS WELL DRILLING LTD	4879

Business Address (Street Number/Name)	Municipality
RR#1	BRAESIDE

Province	Postal Code	Business E-mail Address
ONT	K0A 1G0	

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
6136235648	SAUNDERS TROY

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
T5177	Troy Saunders	20140428

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☒ Yes ☐ No	20140328	20140328

Ministry Use Only

Audit No. Z175281

Received APR 25 2014

Ministry's Copy

Ontario — Ministry of the Environment and Climate Change

Measurements recorded in: ☒ Metric ☐ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag#: A192928

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
107 DAVID MANCHESTER	HUNTLEY	PT 9	5

County/District/Municipality	City/Town/Village	Province	Postal Code
OTTAWA	CARP	Ontario	

UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 83	18	0420381	5015601		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
GRY	CLAY			0.00	2.74
GRY	SAND/GRAVEL	BOULDERS		2.74	3.96
GRY	LIMESTONE	SHALE		3.96	59.14
					(194')

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
0.00	6.10	BENTONITE HOLEPLUG GROUT	0.16

Method of Construction

☒ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☐ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

Well Use

☐ Public ☐ Commercial ☐ Not used
☒ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
15.88	STEEL 156	0.48	+0.60	6.10

Construction Record - Screen N/A.

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To

Status of Well

☒ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water	Hole Diameter Depth From (m/ft)	Depth To	Diameter (cm/in)
2.50	☐	☐ Fresh ☒ Untested ☐ Other, *specify*	0.00	6.10	21.6
54.90	☐	☐ Fresh ☒ Untested ☐ Other, *specify*	6.10	59.74	14.92
	☐	☐ Fresh ☐ Untested ☐ Other, *specify*			

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☒ Other, *specify* Cloudy

If pumping discontinued, give reason: N/A

Pump intake set at (m/ft): 27.5m (90').

Pumping rate (l/min / GPM): 23 LPM (5 GPM).

Duration of pumping: 1 hrs + 20 min

Final water level end of pumping (m/ft): 20.10m

If flowing give rate (l/min / GPM): N/A.

Recommended pump depth (m/ft): 41.1m (135').

Recommended pump rate (l/min / GPM): 23 LPM (5 GPM).

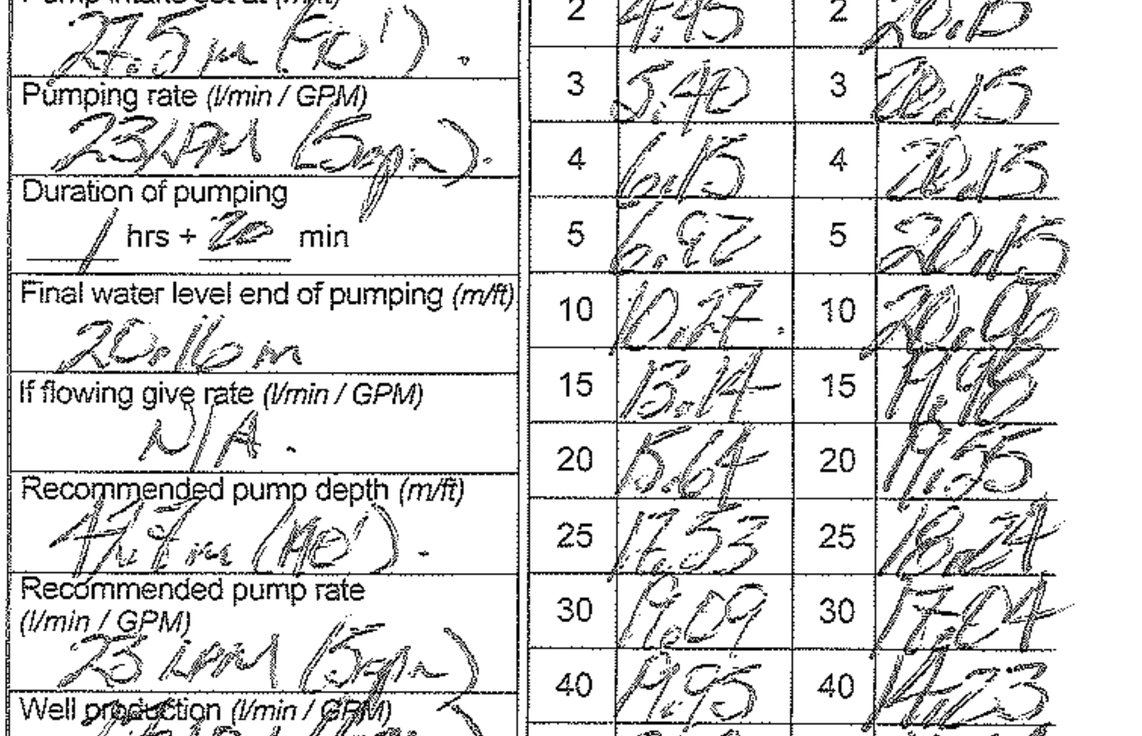
Well production (l/min / GPM): 4.7 LPM (1 GPM).

Disinfected? ☒ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level	4.36		
1	7.95	1	20.15
2	4.45	2	20.15
3	5.40	3	20.15
4	6.15	4	20.15
5	6.92	5	20.15
10	10.27	10	20.05
15	13.14	15	19.80
20	15.64	20	19.35
25	17.53	25	18.24
30	19.09	30	17.24
40	19.95	40	16.23
50	20.10	50	15.24
60	20.15	60	14.34

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
STANTON DRILLING INC	4865

Business Address (Street Number/Name)	Municipality
BOX 29, 157 FIVE ARCHES DRIVE	PAKENHAM

Province	Postal Code	Business E-mail Address
ON	K0A 2W0	Stanton.drilling@bell.net

Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
(613) 624-5800	STANTON, PETER

Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted
0086		2017/04/25

Well owner's information package delivered	Date Package Delivered	Ministry Use Only
☒ Yes ☐ No	2017/04/25	Audit No. 2252108
	Date Work Completed 2017/03/30	APR 10 2017
		Received 2018

0506E (2014/11) Ministry's Copy

Office Use Only			
Application Number:	Ward Number:	Application Received: (dd/mm/yyyy):	
Client Service Centre Staff:		Fee Received:	$

Historic Land Use Inventory

Application Form

Notice of Public Record

All information and materials required in support of your application shall be made available to the public, as indicated by Section 1.0.1 of *The Planning Act*, R.S.O. 1990, C.P.13.

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning, Real Estate and Economic Development Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 24075

Background Information

***Site Address or Location:** *912 David Manchester Rd, Carp*

** Mandatory Field*

Applicant/Agent Information:

Name:	*Kelly Martinell c/o Paterson Group Inc.*		
Mailing Address:	*9 Auriga Drive, Ottawa, ON K2E 7T9*		
Telephone:	*613-226-7381 x215*	Email Address:	*KMartinell@patersongroup.ca*

Registered Property Owner Information: ☐ Same as above

Name:	*RCCG - Chapel of Grace c/o Pastor Oludare Ayeni*		
Mailing Address:	*216 Dutchmans Way, Nepean, ON K2J 5W5*		
Telephone:	*613 791 1332*	Email Address:	*oluaustina@yahoo.ca*

Site Details

Legal Description and PIN: *PT LT 9 CON 4 HUNTLEY PT 1, 5R13359; S/T N463766; S/T EXECUTION 98-000367, IF ENFORCEABLE; WEST CARLETON DESCRIPTION AMENDED ON 1999/12/16; PIN 04538-0088*

What is the land currently used for? *undeveloped*

Lot frontage: _____ m Lot depth: _____ m Lot area: _____ m²

OR Lot area: (irregular lot) 22,319.81 m²

Does the site have Full Municipal Services: ○ Yes ◉ No

Required Fees

Please don't hesitate to visit the Historic Land Use Inventory website more information. Fees must be paid in full at the time of application submission.

Planning Fee $132.00

Submittal Requirements

The following are required to be submitted with this application:

1. **Consent to Disclose Information:** Consultants and other third parties may make requests for information on behalf of an individual or corporation. However, if the requester is not the owner of the property, **the requester must provide the City of Ottawa with a 'consent to disclose information' letter, signed by the property owner.** This will authorize the City of Ottawa to release any relevant information about the property or its owner(s) to the requester. Consent for disclosure is required in the event that personal information or proprietary company information is found concerning the property and its owner. All consents must clearly indicate the name of the property owner as well as the name of the requester, and must be signed and dated.
2. **Disclaimer:** Requesters must read and understand the conditions included in the attached disclaimer and submit a signed disclaimer to the City of Ottawa's Planning, Real Estate and Economic Development Department. This disclaimer is related to the Historic Land Use Inventory and must be received by the City of Ottawa, signed and dated by the requestor, before the process can begin.
3. **A site plan or key plan of the property, its location and particular features.**
4. **Any significant dates or time frames that you would like researched.**

Disclaimer
For use with HLUI Database

CITY OF OTTAWA ("the City") is the owner of the Historical Land Use Inventory ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

The City, in providing information from the HLUI, to Paterson Group Inc. ("the Requester") does so only under the following conditions and understanding:

1. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

2. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information provided by the City to the Requester is provided on the assumption that it will not be relied upon by any person whatsoever. The City denies all liability to any such persons attempting to rely on any information provided from the HLUI database.

3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.

4. Copyright is reserved to the City.

5. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.

6. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.

7. All information collected under this request and all records provided in response to this request are subject to the provisions of the Municipal Freedom of Information and Protection of Privacy Act, R.S.O. 1990, c. M.56, as amended.

Signed: K Martinell

Dated (dd/mm/yyyy): 15/11/2022

Per: Kelly Martinell

(Please print name)

Title: Environmental Engineer

Company: Paterson Group Inc.

November 14, 2022
File: PE5923-HLUI

City of Ottawa
110 Laurier Avenue W
Ottawa, Ontario
K1P 1J1

Consulting Engineers
9 Auriga Drive
Ottawa, Ontario
K2E 7T9
Tel: (613) 226-7381

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Materials Testing
Building Science
Rural Development Design
Retaining Wall Design
Noise and Vibration Studies

patersongroup.ca

Subject: **Authorization Letter, HLUI Search**
Phase I Environmental Site Assessment
912 David Manchester Road
Ottawa, Ontario

To Whom it May Concern,

Please consider this letter as confirmation that Paterson Group has been retained to conduct a Phase I Environmental Site Assessment at the aforementioned property.

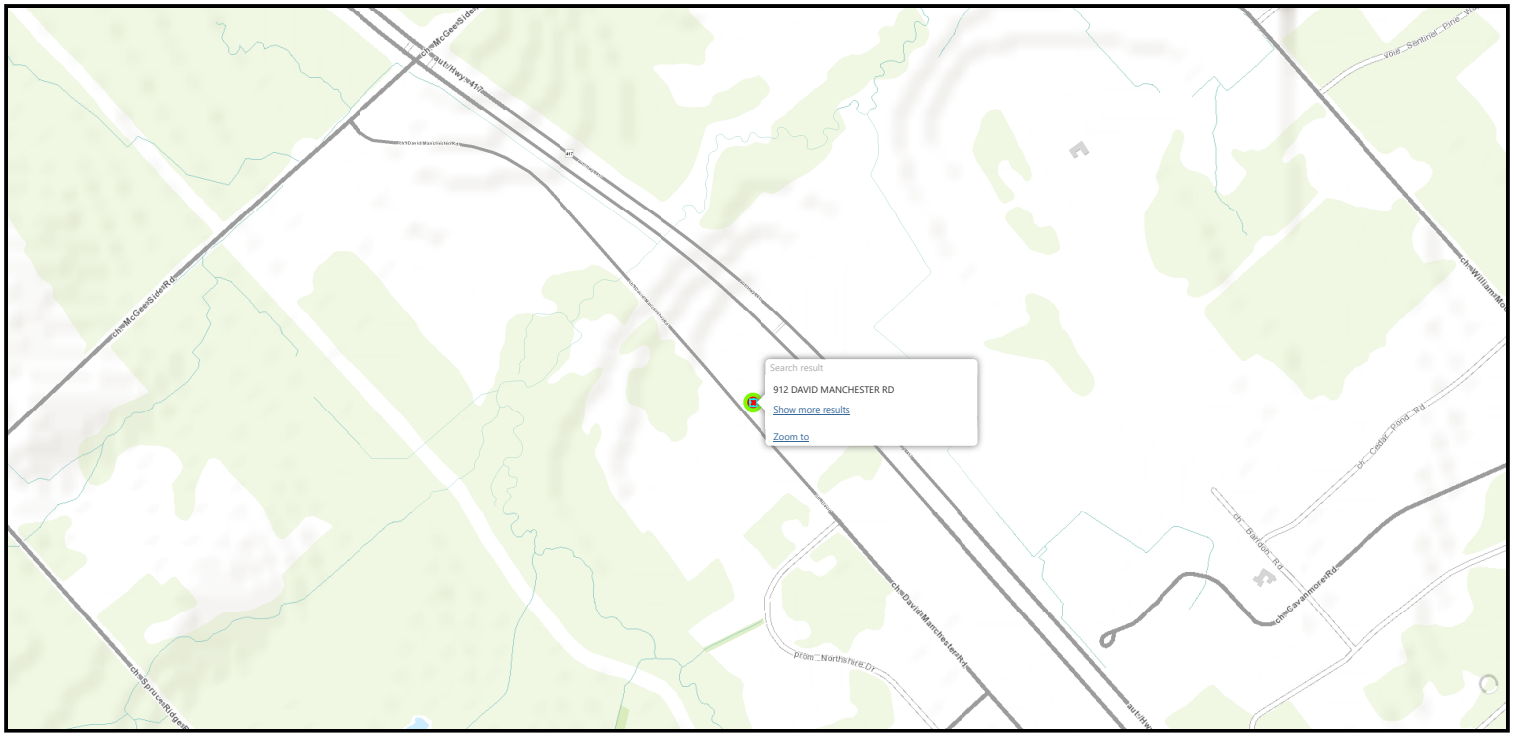
With this letter, the property owner authorizes the City of Ottawa and other regulatory bodies to release, to Paterson Group, information requested for the purpose of completing an environmental assessment of the property.

Name of Company/Property Owner: RCCG - Chapel of Grace

Name of Representative: Pastor Olufare Ayeni

Authorization of Representative: [signature]

Date: Nov 14 2022.


Search result
912 DAVID MANCHESTER RD
Show more results
Zoom to

DATABASE REPORT

Project Property:	*Phase I ESA - 912 David Manchester* *912 David Manchester Road* *Carp ON K0A 1L0*
Project No:	*PO 56229 Project number PE5923*
Report Type:	*Quote - Custom-Build Your Own Report*
Order No:	*22111000699*
Requested by:	*Paterson Group Inc.*
Date Completed:	*November 15, 2022*

Environmental Risk Information Services
A division of Glacier Media Inc.
1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase I ESA - 912 David Manchester* *912 David Manchester Road Carp ON K0A 1L0*
Project No:	*PO 56229 Project number PE5923*

Order Information:

Order No:	*22111000699*
Date Requested:	*November 10, 2022*
Requested by:	*Paterson Group Inc.*
Report Type:	*Quote - Custom-Build Your Own Report*

Historical/Products:

ERIS Xplorer	*ERIS Xplorer*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	*Abandoned Aggregate Inventory*	*Y*	*0*	*0*	*0*
AGR	*Aggregate Inventory*	*Y*	*0*	*0*	*0*
AMIS	*Abandoned Mine Information System*	*Y*	*0*	*0*	*0*
ANDR	*Anderson's Waste Disposal Sites*	*Y*	*0*	*0*	*0*
AST	*Aboveground Storage Tanks*	*Y*	*0*	*0*	*0*
AUWR	*Automobile Wrecking & Supplies*	*Y*	*0*	*0*	*0*
BORE	*Borehole*	*Y*	*0*	*0*	*0*
CA	*Certificates of Approval*	*Y*	*0*	*0*	*0*
CDRY	*Dry Cleaning Facilities*	*Y*	*0*	*0*	*0*
CFOT	*Commercial Fuel Oil Tanks*	*Y*	*0*	*0*	*0*
CHEM	*Chemical Manufacturers and Distributors*	*Y*	*0*	*0*	*0*
CHM	*Chemical Register*	*Y*	*0*	*0*	*0*
CNG	*Compressed Natural Gas Stations*	*Y*	*0*	*0*	*0*
COAL	*Inventory of Coal Gasification Plants and Coal Tar Sites*	*Y*	*0*	*0*	*0*
CONV	*Compliance and Convictions*	*Y*	*0*	*0*	*0*
CPU	*Certificates of Property Use*	*Y*	*0*	*0*	*0*
DRL	*Drill Hole Database*	*Y*	*0*	*0*	*0*
DTNK	*Delisted Fuel Tanks*	*Y*	*0*	*0*	*0*
EASR	*Environmental Activity and Sector Registry*	*Y*	*0*	*0*	*0*
EBR	*Environmental Registry*	*Y*	*0*	*0*	*0*
ECA	*Environmental Compliance Approval*	*Y*	*0*	*0*	*0*
EEM	*Environmental Effects Monitoring*	*Y*	*0*	*0*	*0*
EHS	*ERIS Historical Searches*	*Y*	*0*	*0*	*0*
EIIS	*Environmental Issues Inventory System*	*Y*	*0*	*0*	*0*
EMHE	*Emergency Management Historical Event*	*Y*	*0*	*0*	*0*
EPAR	*Environmental Penalty Annual Report*	*Y*	*0*	*0*	*0*
EXP	*List of Expired Fuels Safety Facilities*	*Y*	*0*	*0*	*0*
FCON	*Federal Convictions*	*Y*	*0*	*0*	*0*
FCS	*Contaminated Sites on Federal Land*	*Y*	*0*	*0*	*0*
FOFT	*Fisheries & Oceans Fuel Tanks*	*Y*	*0*	*0*	*0*
FRST	*Federal Identification Registry for Storage Tank Systems (FIRSTS)*	*Y*	*0*	*0*	*0*
FST	*Fuel Storage Tank*	*Y*	*0*	*0*	*0*
FSTH	*Fuel Storage Tank - Historic*	*Y*	*0*	*0*	*0*
GEN	*Ontario Regulation 347 Waste Generators Summary*	*Y*	*0*	*0*	*0*
GHG	*Greenhouse Gas Emissions from Large Facilities*	*Y*	*0*	*0*	*0*
HINC	*TSSA Historic Incidents*	*Y*	*0*	*0*	*0*

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	1	1
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	5	5
	Total:		0	7	7

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		904 DAVID MANCHESTER RD. lot 9 con 4 CARP ON ***Well ID:*** 7149339	SE/26.9	1.00	13
2	SPL	Ultramar Ltd.	925 David Manchester, Carp Ottawa ON	W/43.9	0.00	20
2	INC		925 DAVID MANCHESTER ROAD, CARP ON	W/43.9	0.00	20
3	WWIS		lot 9 con 5 ON ***Well ID:*** 1518254	SSW/54.6	1.00	21
4	WWIS		907 DAVID MANCHESTER lot 9 con 5 CARP ON ***Well ID:*** 7309076	SSW/102.6	1.00	25
5	WWIS		896 DAVID MANCHESTER CARP ON ***Well ID:*** 7219455	SE/112.5	1.00	32
6	WWIS		lot 8 con 4 ON ***Well ID:*** 1513665	SE/244.0	2.00	39

Executive Summary: Summary By Data Source

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Feb 28, 2022 has found that there are 1 INC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	925 DAVID MANCHESTER ROAD, CARP ON	43.9	2

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

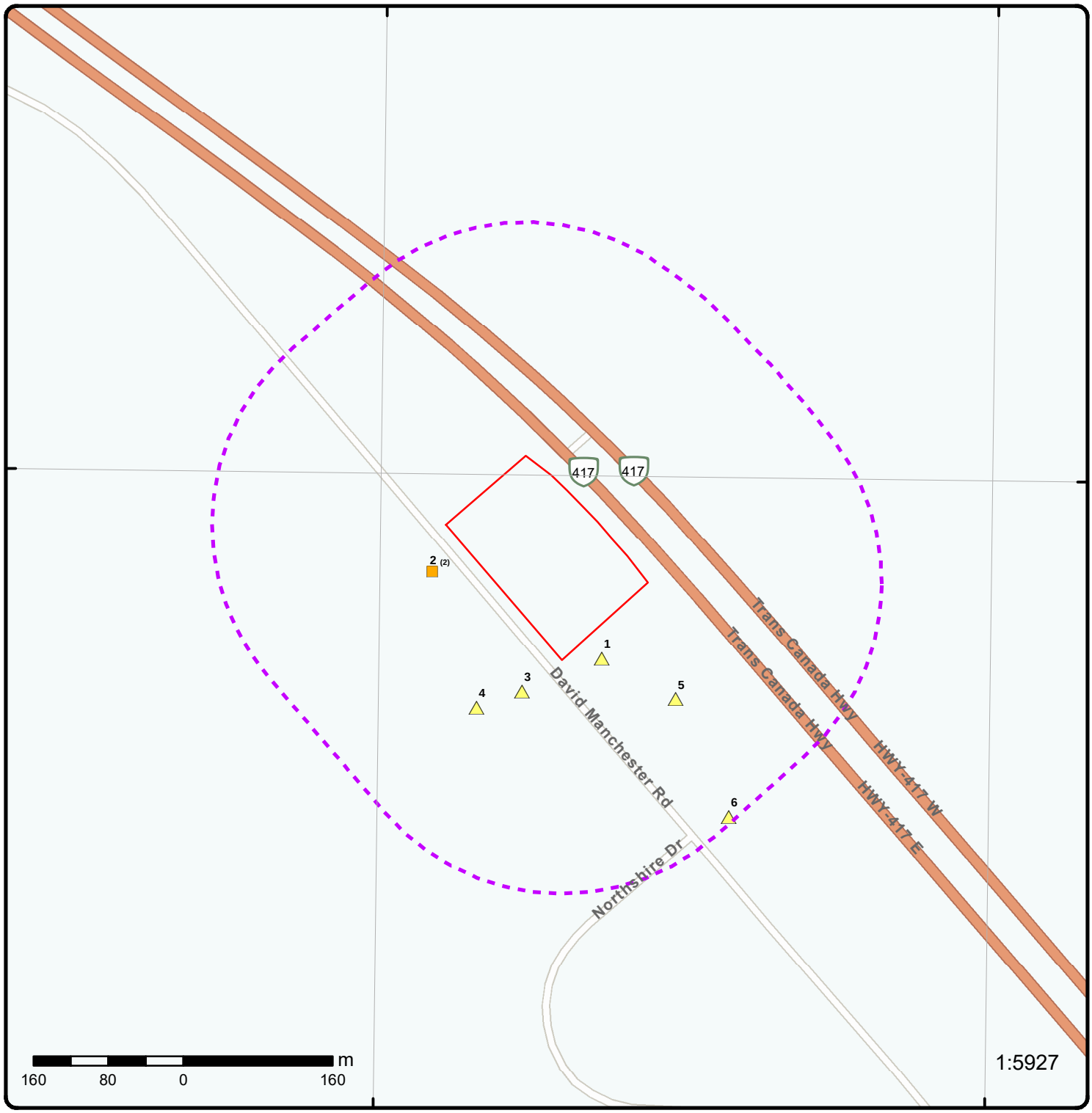
Site	Address	Distance (m)	Map Key
Ultramar Ltd.	925 David Manchester, Carp Ottawa ON	43.9	2

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30 2022 has found that there are 5 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	904 DAVID MANCHESTER RD. lot 9 con 4 CARP ON ***Well ID:*** 7149339	26.9	1
	lot 9 con 5 ON ***Well ID:*** 1518254	54.6	3
	907 DAVID MANCHESTER lot 9 con 5 CARP ON ***Well ID:*** 7309076	102.6	4
	896 DAVID MANCHESTER CARP ON	112.5	5

Site	Address	Distance (m)	Map Key
	Well ID: 7219455		
	lot 8 con 4 ON	244.0	6
	Well ID: 1513665		



Map: 0.25 Kilometer Radius

Order Number: 22111000699

Address: 912 David Manchester Road, Carp, ON

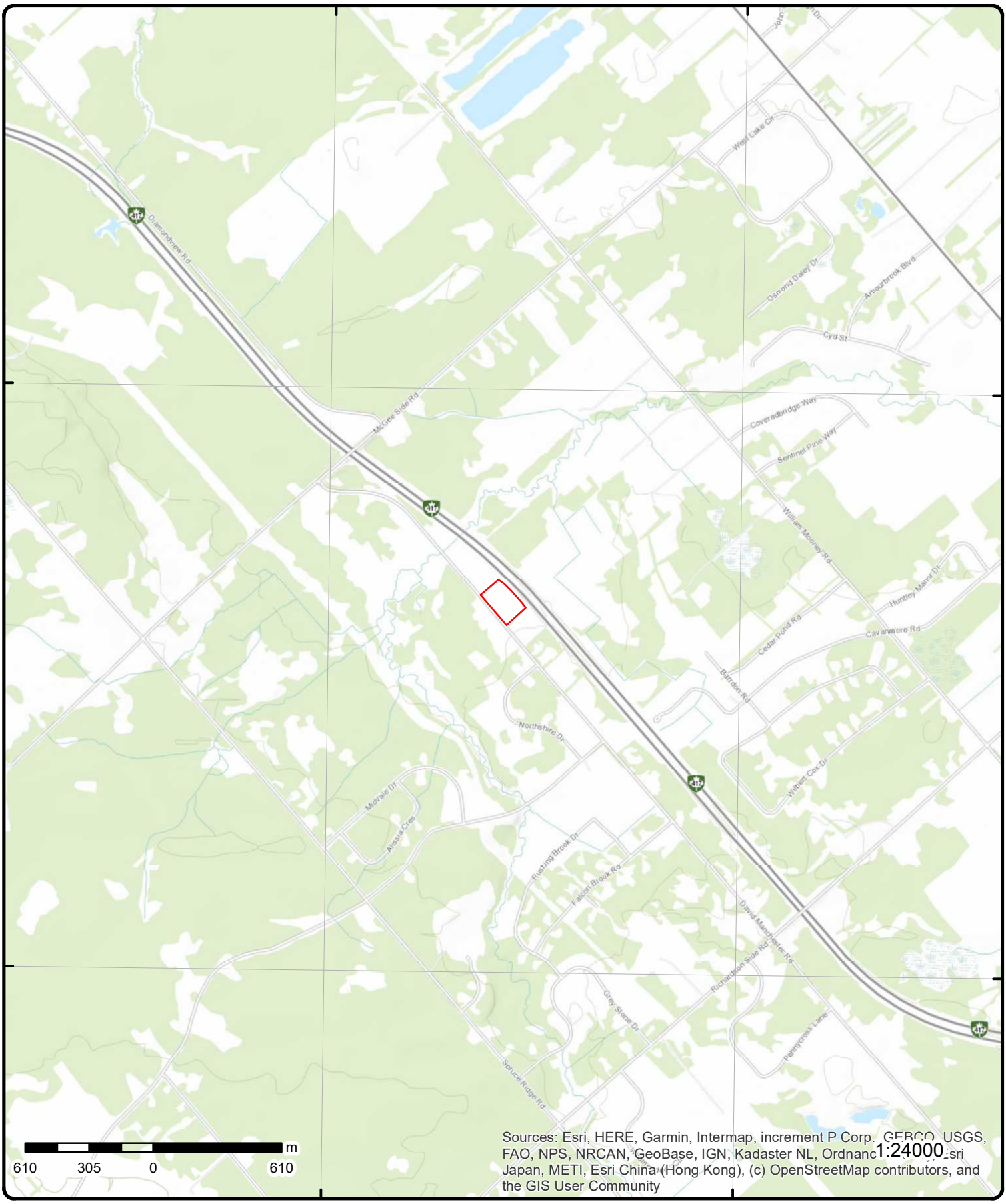
- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

Aerial **Year:**

Order Number: 22111000699

Address: 912 David Manchester Road, Carp, ON

Source: ESRI World Imagery



Topographic Map

Order Number: 22111000699

Address: 912 David Manchester Road, ON

Source: ESRI World Topographic Map

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SE/26.9	118.9 / 1.00	904 DAVID MANCHESTER RD. lot 9 con 4 CARP ON	WWIS

Well ID: 7149339
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z108401
Tag: A095942
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: HUNTLEY TOWNSHIP
Site Info: PART#2

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 05-Aug-2010 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 009
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7149339.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/06/22
Year Completed: 2010
Depth (m): 121.92
Latitude: 45.2899168414983
Longitude: -76.0136223245594
Path: 714\7149339.pdf

Bore Hole Information

Bore Hole ID: 1003265691
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 22-Jun-2010 00:00:00
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 420515.00
North83: 5015657.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID:	1003289001
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	13.0
Formation End Depth:	365.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003289002
Layer:	4
Color:	4
General Color:	GREEN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	365.0
Formation End Depth:	400.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003288999
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1003289000
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	

Mat3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1003289005
Layer: 1
Plug From: 0.0
Plug To: 21.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1003289037
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1003288997
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1003289007
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 21.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1003289008
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 21.0
Depth To: 400.0
Casing Diameter: 5.875
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003289009
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:

Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1003288998
Pump Set At: 275.0
Static Level: 5.699999809265137
Final Level After Pumping: 54.900001525878906
Recommended Pump Depth: 360.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 3
Water State After Test: OTHER
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1003289012
Test Type: Draw Down
Test Duration: 2
Test Level: 1.899999976158142
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289015
Test Type: Recovery
Test Duration: 3
Test Level: 39.400001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289016
Test Type: Draw Down
Test Duration: 4
Test Level: 15.350000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289020
Test Type: Draw Down
Test Duration: 10
Test Level: 24.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289034
Test Type: Draw Down
Test Duration: 60

Test Level: 54.900001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289025
Test Type: Recovery
Test Duration: 20
Test Level: 10.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289027
Test Type: Recovery
Test Duration: 25
Test Level: 7.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289010
Test Type: Draw Down
Test Duration: 1
Test Level: 7.900000095367432
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289022
Test Type: Draw Down
Test Duration: 15
Test Level: 29.700000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289030
Test Type: Draw Down
Test Duration: 40
Test Level: 46.849998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289032
Test Type: Draw Down
Test Duration: 50
Test Level: 51.400001525878906
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289014
Test Type: Draw Down
Test Duration: 3
Test Level: 13.300000190734863
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289019
Test Type: Recovery
Test Duration: 5
Test Level: 33.20000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289023
Test Type: Recovery
Test Duration: 15
Test Level: 14.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289035
Test Type: Recovery
Test Duration: 60
Test Level: 5.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289026
Test Type: Draw Down
Test Duration: 25
Test Level: 38.099998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289029
Test Type: Recovery
Test Duration: 30
Test Level: 5.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289031
Test Type: Recovery
Test Duration: 40
Test Level: 5.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289013
Test Type: Recovery
Test Duration: 2
Test Level: 42.70000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289018
Test Type: Draw Down

Test Duration: 5
Test Level: 17.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289024
Test Type: Draw Down
Test Duration: 20
Test Level: 34.20000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289011
Test Type: Recovery
Test Duration: 1
Test Level: 46.599998474121094
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289017
Test Type: Recovery
Test Duration: 4
Test Level: 36.20000076293945
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289033
Test Type: Recovery
Test Duration: 50
Test Level: 5.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289021
Test Type: Recovery
Test Duration: 10
Test Level: 21.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1003289028
Test Type: Draw Down
Test Duration: 30
Test Level: 41.20000076293945
Test Level UOM: ft

Water Details

Water ID: 1003289006
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 228.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003289004
Diameter: 5.875
Depth From: 21.0
Depth To: 400.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1003289003
Diameter: 6.0
Depth From: 0.0
Depth To: 21.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Links

Bore Hole ID: 1003265691
Depth M: 121.92
Year Completed: 2010
Well Completed Dt: 2010/06/22
Audit No: Z108401
Tag No: A095942
Contractor: 1119
Path: 714\7149339.pdf
Latitude: 45.2899168414983
Longitude: -76.0136223245594

---

2 ***1 of 2*** ***W/43.9*** ***117.9 / 0.00*** ***Ultramar Ltd.***
925 David Manchester, Carp
Ottawa ON ***SPL***

Ref No: 3237-9G9REB
Site No:
Incident Dt: 2014/02/12
Year:
Incident Cause: Unknown / N/A
Incident Event:
Contaminant Code: 13
Contaminant Name: FURNACE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium:
Receiving Env:
MOE Response: Referral to others
Dt MOE Arvl on Scn:
MOE Reported Dt: 2014/02/12
Dt Document Closed:
Incident Reason: Equipment Failure
Site Name: Residence<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Ultramar, Furnace Pump leak, Cntnd
Contaminant Qty: 0 other - see incident description
Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Unknown / N/A
Agency Involved:
Nearest Watercourse:
Site Address: 925 David Manchester, Carp
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Land Spills
Source Type:

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2 ***2 of 2*** ***W/43.9*** ***117.9 / 0.00*** ***925 DAVID MANCHESTER ROAD, CARP ON*** ***INC***

Incident No: 1336436
Any Health Impact: No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB

Incident ID:		**Any Enviro Impact:**	Unknown
Instance No:		**Service Interrupted:**	Yes
Status Code:		**Was Prop Damaged:**	Yes
Attribute Category:	FS-Perform L1 Incident Insp	**Reside App. Type:**	
Context:		**Commer App. Type:**	
Date of Occurrence:	2014/02/11 00:00:00	**Indus App. Type:**	
Time of Occurrence:	NULL	**Institut App. Type:**	
Incident Created On:		**Venting Type:**	
Instance Creation Dt:		**Vent Conn Mater:**	
Instance Install Dt:		**Vent Chimney Mater:**	
Occur Insp Start Date:	2014/02/11 00:00:00	**Pipeline Type:**	
Approx Quant Rel:		**Pipeline Involved:**	
Tank Capacity:		**Pipe Material:**	
Fuels Occur Type:	Leak	**Depth Ground Cover:**	
Fuel Type Involved:	Fuel Oil	**Regulator Location:**	
Enforcement Policy:	NULL	**Regulator Type:**	
Prc Escalation Req:	NULL	**Operation Pressure:**	
Tank Material Type:		**Liquid Prop Make:**	
Tank Storage Type:		**Liquid Prop Model:**	
Tank Location Type:		**Liquid Prop Serial No:**	
Pump Flow Rate Cap:		**Liquid Prop Notes:**	
Task No:	4809931	**Equipment Type:**	
Notes:		**Equipment Model:**	
Drainage System:		**Serial No:**	
Sub Surface Contam.:		**Cylinder Capacity:**	
Aff Prop Use Water:		**Cylinder Cap Units:**	
Contam. Migrated:		**Cylinder Mat Type:**	
Contact Natural Env:		**Near Body of Water:**	

Incident Location: 925 DAVID MANCHESTER ROAD, CARP - LEAK
Occurence Narrative: Leak from fuel pump from oil furnace to the cement floor.
Operation Type Involved: Private Dwelling
Item:
Item Description:
Device Installed Location:

3	1 of 1	SSW/54.6	118.9 / 1.00	lot 9 con 5 ON	WWIS

Well ID:	1518254	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	06-Jun-1983 00:00:00
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	009
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: HUNTLEY TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518254.pdf

Additional Detail(s) (Map)

Well Completed Date:	1983/03/08
Year Completed:	1983
Depth (m):	79.248
Latitude:	45.2895831699724
Longitude:	-76.0147054279663
Path:	151\1518254.pdf

Bore Hole Information

Bore Hole ID:	10040124	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	420429.60
Code OB Desc:		**North83:**	5015621.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	08-Mar-1983 00:00:00	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Loc Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931037848
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	10.0
Formation End Depth:	145.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931037847
Layer:	2
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931037849
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	145.0
Formation End Depth:	260.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931037846
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	79
Mat2 Desc:	PACKED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961518254
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10588694
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930070050
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930070051

Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	260.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991518254
Pump Set At:	
Static Level:	0.0
Final Level After Pumping:	100.0
Recommended Pump Depth:	100.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934378323
Test Type:	Draw Down
Test Duration:	30
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934639382
Test Type:	Draw Down
Test Duration:	45
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934897843
Test Type:	Draw Down
Test Duration:	60
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934103571
Test Type:	Draw Down
Test Duration:	15
Test Level:	70.0
Test Level UOM:	ft

Water Details

Water ID:	933474934
Layer:	2
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	255.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933474933
Layer:	1
Kind Code:	3
Kind:	SULPHUR
Water Found Depth:	235.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10040124	***Tag No:***	
Depth M:	79.248	***Contractor:***	1558
Year Completed:	1983	***Path:***	151\1518254.pdf
Well Completed Dt:	1983/03/08	***Latitude:***	45.2895831699724
Audit No:		***Longitude:***	-76.0147054279663

4 ***1 of 1*** ***SSW/102.6*** ***118.9 / 1.00*** ***907 DAVID MANCHESTER lot 9 con 5 CARP ON*** ***WWIS***

Well ID:	7309076	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	10-Apr-2018 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z252108	***Contractor:***	4875
Tag:	A192928	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	009
Depth to Bedrock:		***Concession:***	05
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	HUNTLEY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/730\7309076.pdf

Additional Detail(s) (Map)

Well Completed Date:	
Year Completed:	
Depth (m):	59.17
Latitude:	45.2894246616767
Longitude:	-76.0153223619099
Path:	730\7309076.pdf

Bore Hole Information

Bore Hole ID:	1007015639	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	420381.00
Code OB Desc:		**North83:**	5015604.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1007149041
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.9600000381469727
Formation End Depth:	59.16999816894531
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007149039
Layer:	1
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	2.140000104904175
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1007149040
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL

Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	2.140000104904175
Formation End Depth:	3.9600000381469727
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007149076
Layer:	1
Plug From:	0.0
Plug To:	6.099999904632568
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1007149077
Layer:	2
Plug From:	
Plug To:	
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1007149075
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	1007149037
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007149046
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-0.6000000238418579
Depth To:	6.099999904632568
Casing Diameter:	15.880000114440918
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1007149047
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm

Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1007149038
Pump Set At:	27.5
Static Level:	1.3600000143051147
Final Level After Pumping:	20.15999984741211
Recommended Pump Depth:	47.70000076293945
Pumping Rate:	23.0
Flowing Rate:	
Recommended Pump Rate:	23.0
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	3
Water State After Test:	OTHER
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	20
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	1007149049
Test Type:	Recovery
Test Duration:	1
Test Level:	20.149999618530273
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1007149053
Test Type:	Recovery
Test Duration:	3
Test Level:	20.149999618530273
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1007149055
Test Type:	Recovery
Test Duration:	4
Test Level:	20.149999618530273
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1007149060
Test Type:	Draw Down
Test Duration:	15
Test Level:	13.140000343322754
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1007149062
Test Type:	Draw Down
Test Duration:	20
Test Level:	15.640000343322754
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1007149069
Test Type: Recovery
Test Duration: 40
Test Level: 14.229999542236328
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149050
Test Type: Draw Down
Test Duration: 2
Test Level: 4.449999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149054
Test Type: Draw Down
Test Duration: 4
Test Level: 6.150000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149057
Test Type: Recovery
Test Duration: 5
Test Level: 20.149999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149070
Test Type: Draw Down
Test Duration: 50
Test Level: 20.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149052
Test Type: Draw Down
Test Duration: 3
Test Level: 5.400000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149061
Test Type: Recovery
Test Duration: 15
Test Level: 19.979999542236328
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149065
Test Type: Recovery
Test Duration: 25
Test Level: 18.239999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149067
Test Type: Recovery
Test Duration: 30
Test Level: 17.040000915527344
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149068
Test Type: Draw Down
Test Duration: 40
Test Level: 19.950000762939453
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149071
Test Type: Recovery
Test Duration: 50
Test Level: 11.640000343322754
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149073
Test Type: Recovery
Test Duration: 60
Test Level: 9.34000015258789
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149048
Test Type: Draw Down
Test Duration: 1
Test Level: 2.950000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149063
Test Type: Recovery
Test Duration: 20
Test Level: 19.549999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149064
Test Type: Draw Down
Test Duration: 25
Test Level: 17.530000686645508

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149072
Test Type: Draw Down
Test Duration: 60
Test Level: 20.149999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149051
Test Type: Recovery
Test Duration: 2
Test Level: 20.149999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149066
Test Type: Draw Down
Test Duration: 30
Test Level: 19.09000015258789
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149056
Test Type: Draw Down
Test Duration: 5
Test Level: 6.920000076293945
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149058
Test Type: Draw Down
Test Duration: 10
Test Level: 10.270000457763672
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1007149059
Test Type: Recovery
Test Duration: 10
Test Level: 20.059999465942383
Test Level UOM: m

Water Details

Water ID: 1007149044
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 21.299999237060547
Water Found Depth UOM: m

Water Details

Water ID:	1007149045
Layer:	2
Kind Code:	8
Kind:	Untested
Water Found Depth:	54.900001525878906
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1007149043
Diameter:	14.920000076293945
Depth From:	6.099999904632568
Depth To:	59.20000076293945
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1007149042
Diameter:	21.600000381469727
Depth From:	0.0
Depth To:	6.099999904632568
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Links

Bore Hole ID:	1007015639	***Tag No:***	A192928
Depth M:	59.17	***Contractor:***	4875
Year Completed:		***Path:***	730\7309076.pdf
Well Completed Dt:		***Latitude:***	45.2894246616767
Audit No:	Z252108	***Longitude:***	-76.0153223619099

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5 ***1 of 1*** ***SE/112.5*** ***118.9 / 1.00*** ***896 DAVID MANCHESTER CARP ON*** ***WWIS***

Well ID:	7219455	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	25-Apr-2014 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z175281	***Contractor:***	4879
Tag:	A151643	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	HUNTLEY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/721\7219455.pdf

Additional Detail(s) (Map)

Well Completed Date: 2014/03/28
Year Completed: 2014
Depth (m): 66.7512
Latitude: 45.2895297745099
Longitude: -76.0126079981639
Path: 721\7219455.pdf

Bore Hole Information

Bore Hole ID: 1004733278
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-Mar-2014 00:00:00
Remarks:
Loc Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 420594.00
North83: 5015613.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1005126466
Layer: 3
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 23.0
Formation End Depth: 219.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005126465
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 18
Mat2 Desc: SANDSTONE
Mat3: 34
Mat3 Desc: TILL
Formation Top Depth: 4.0
Formation End Depth: 23.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	1005126464
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	01
Mat3 Desc:	FILL
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005126502
Layer:	2
Plug From:	17.0
Plug To:	26.5
Plug Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1005126501
Layer:	1
Plug From:	0.0
Plug To:	17.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005126500
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1005126462
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005126471
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	26.5
Depth To:	219.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1005126470
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-3.0
Depth To:	26.5
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005126472
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1005126463
Pump Set At:	200.0
Static Level:	5.599999904632568
Final Level After Pumping:	30.489999771118164
Recommended Pump Depth:	80.0
Pumping Rate:	12.0
Flowing Rate:	
Recommended Pump Rate:	12.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1005126473
Test Type:	Draw Down
Test Duration:	1
Test Level:	10.800000190734863
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1005126474
Test Type:	Recovery
Test Duration:	1
Test Level:	22.850000381469727
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 1005126476
Test Type: Recovery
Test Duration: 2
Test Level: 17.75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126479
Test Type: Draw Down
Test Duration: 4
Test Level: 31.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126485
Test Type: Draw Down
Test Duration: 15
Test Level: 23.31999969482422
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126495
Test Type: Draw Down
Test Duration: 50
Test Level: 29.850000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126486
Test Type: Recovery
Test Duration: 15
Test Level: 8.40999984741211
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126492
Test Type: Recovery
Test Duration: 30
Test Level: 7.099999904632568
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126496
Test Type: Recovery
Test Duration: 50
Test Level: 6.849999904632568
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126480
Test Type: Recovery
Test Duration: 4
Test Level: 13.1899995803833

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126490
Test Type: Recovery
Test Duration: 25
Test Level: 7.489999771118164
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126493
Test Type: Draw Down
Test Duration: 40
Test Level: 29.149999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126497
Test Type: Draw Down
Test Duration: 60
Test Level: 30.489999771118164
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126482
Test Type: Recovery
Test Duration: 5
Test Level: 11.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126483
Test Type: Draw Down
Test Duration: 10
Test Level: 19.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126488
Test Type: Recovery
Test Duration: 20
Test Level: 7.820000171661377
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126478
Test Type: Recovery
Test Duration: 3
Test Level: 14.930000305175781
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126487
Test Type: Draw Down
Test Duration: 20
Test Level: 26.549999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126491
Test Type: Draw Down
Test Duration: 30
Test Level: 28.09000015258789
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126494
Test Type: Recovery
Test Duration: 40
Test Level: 6.929999828338623
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126475
Test Type: Draw Down
Test Duration: 2
Test Level: 14.050000190734863
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126481
Test Type: Draw Down
Test Duration: 5
Test Level: 17.950000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126484
Test Type: Recovery
Test Duration: 10
Test Level: 9.380000114440918
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126498
Test Type: Recovery
Test Duration: 60
Test Level: 6.809999942779541
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126477
Test Type: Draw Down
Test Duration: 3

Test Level: 16.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005126489
Test Type: Draw Down
Test Duration: 25
Test Level: 27.100000381469727
Test Level UOM: ft

Water Details

Water ID: 1005126469
Layer: 2
Kind Code: 8
Kind: Untested
Water Found Depth: 207.5
Water Found Depth UOM: ft

Water Details

Water ID: 1005126468
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 93.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005126467
Diameter: 6.0
Depth From: 0.0
Depth To: 219.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Links

Bore Hole ID: 1004733278
Depth M: 66.7512
Year Completed: 2014
Well Completed Dt: 2014/03/28
Audit No: Z175281
Tag No: A151643
Contractor: 4879
Path: 721\7219455.pdf
Latitude: 45.2895297745099
Longitude: -76.0126079981639

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6 | ***1 of 1*** | ***SE/244.0*** | ***119.9 / 2.00*** | ***lot 8 con 4 ON*** | ***WWIS***

Well ID: 1513665
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10-Dec-1973 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 008

Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	HUNTLEY TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513665.pdf

Additional Detail(s) (Map)

Well Completed Date:	1973/11/23
Year Completed:	1973
Depth (m):	22.86
Latitude:	45.2884021629516
Longitude:	-76.0118661667803
Path:	151\1513665.pdf

Bore Hole Information

Bore Hole ID:	10035648	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	420650.60
Code OB Desc:		**North83:**	5015487.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	6
Date Completed:	23-Nov-1973 00:00:00	**UTMRC Desc:**	margin of error : 300 m - 1 km
Remarks:		**Location Method:**	p6
Loc Method Desc:	Original Pre1985 UTM Rel Code 6: margin of error : 300 m - 1 km		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931024121
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	13
Mat3 Desc:	BOULDERS
Formation Top Depth:	4.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024120
Layer:	1
Color:	6

General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	4.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931024122
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961513665
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10584218
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930063061
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930063062
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	

Depth To:	75.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991513665
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	40.0
Recommended Pump Depth:	50.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934640692
Test Type:	Draw Down
Test Duration:	45
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934099461
Test Type:	Draw Down
Test Duration:	15
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379698
Test Type:	Draw Down
Test Duration:	30
Test Level:	40.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898166
Test Type:	Draw Down
Test Duration:	60
Test Level:	40.0
Test Level UOM:	ft

Water Details

Water ID:	933469326
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	73.0
Water Found Depth UOM:	ft

Links

Bore Hole ID:	10035648	***Tag No:***	
Depth M:	22.86	***Contractor:***	1558
Year Completed:	1973	***Path:***	151\1513665.pdf
Well Completed Dt:	1973/11/23	***Latitude:***	45.2884021629516
Audit No:		***Longitude:***	-76.0118661667803

Unplottable Summary

Total: 15 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 9 Con 5	West Carleton ON	
CA	Briarridge Sewage Pumping Station	Lot 9, Concession 4	Ottawa ON	
CA	R.J. NICOL HOMES LTD.-LOT 8, CONCS. 4-5	EAGLE CREEK COUNTRY CLUB	WEST CARLETON TWP. ON	
ECA	Ultramar Ltd.	Part 1, Reference Plan 4R-23561	Ottawa ON	H3A 3L3
ECA	Nortrax Canada Inc.	David Manchester Rd	Ottawa ON	K0A 1L0
EHS		Hwy 417	Ottawa ON	
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
PTTW	3237532 Canada Inc.	Lot 8, Concession 4 & 5	ON	
RST	ULTRAMAR LTÉE	OTTAWA	OTTAWA ON	
SPL	City of Ottawa	Highway 417	Ottawa ON	
SPL	CONSOLIDATED FREIGHTWAYS	ALONG THE 417 TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	TRANSPORT TRUCK	HWY. 417 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON	
WWIS		HWY 417 WEST	Ottawa ON	
WWIS		lot 8	ON	

Unplottable Report

Site:
Lot 9 Con 5 West Carleton ON

Database: ***AAGR***

Type:	Pit
Region/County:	Ottawa-Carleton
Township:	West Carleton
Concession:	5
Lot:	9
Size (ha):	
Landuse:	
Comments:	rehabilitated

Site: ***Briarridge Sewage Pumping Station***
Lot 9, Concession 4 Ottawa ON

Database: ***CA***

Certificate #:	1586-4WKNNQ
Application Year:	01
Issue Date:	5/18/01
Approval Type:	Industrial air
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	Tenth Line Development Inc.
Client Address:	210 Gladstone Avenue, Suite 2001
Client City:	Ottawa
Client Postal Code:	K2P 0Y6
Project Description:	This application is for a Certificate of Approval for a diesel generator.
Contaminants:	
Emission Control:	

Site: ***R.J. NICOL HOMES LTD.-LOT 8, CONCS. 4-5***
EAGLE CREEK COUNTRY CLUB WEST CARLETON TWP. ON

Database: ***CA***

Certificate #:	7-0112-92-
Application Year:	92
Issue Date:	6/19/1992
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***Ultramar Ltd.***
Part 1, Reference Plan 4R-23561 Ottawa ON H3A 3L3

Database: ***ECA***

Approval No:	1928-8W2Q6W	***MOE District:***	
Approval Date:	2012-07-10	***City:***	
Status:	Approved	***Longitude:***	
Record Type:	ECA	***Latitude:***	
Link Source:	IDS	***Geometry X:***	
SWP Area Name:		***Geometry Y:***	

Approval Type: ECA-INDUSTRIAL SEWAGE WORKS
Project Type: INDUSTRIAL SEWAGE WORKS
Business Name: Ultramar Ltd.
Address: Part 1, Reference Plan 4R-23561
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2244-8RJQ9S-14.pdf
PDF Site Location:

Site: ***Nortrax Canada Inc.***
David Manchester Rd Ottawa ON K0A 1L0

Database: ***ECA***

Approval No: 1009-9TZKWS
Approval Date: 2015-02-27
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: Nortrax Canada Inc.
Address: David Manchester Rd
Full Address:
Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3400-9LWJBB-14.pdf
PDF Site Location:

Site:
Hwy 417 Ottawa ON

Database: ***EHS***

Order No: 20120509053
Status: C
Report Type: Custom Report
Report Date: 5/16/2012
Date Received: 5/9/2012
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:
Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.670099
Y: 1

Site: ***R.W Tomlinson***
LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4

Database: ***GEN***

Generator No: ON9834153
SIC Code: 237310
SIC Description: HIGHWAY, STREET AND BRIDGE CONSTRUCTION
Approval Years: 2014
PO Box No:
Country: Canada
Status:
Co Admin: mark peralta
Choice of Contact: CO_OFFICIAL
Phone No Admin: 6138221867 Ext.
Contam. Facility: No
MHSW Facility: No

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Site: ***R.W Tomlinson***
LRT Central Site Hwy 417 Widening ottawa ON K1G 3N4

Database: ***GEN***

Generator No: ON9834153
Status:

SIC Code:	237310	***Co Admin:***	mark peralta
SIC Description:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION	***Choice of Contact:***	CO_OFFICIAL
Approval Years:	2015	***Phone No Admin:***	6138221867 Ext.
PO Box No:		***Contam. Facility:***	No
Country:	Canada	***MHSW Facility:***	No

Detail(s)

Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS

Site: ***3237532 Canada Inc.***
Lot 8, Concession 4 & 5 ON

Database: ***PTTW***

EBR Registry No:	IA9E1263	***Decision Posted:***	
Ministry Ref No:	ER-7902	***Exception Posted:***	
Notice Type:	Instrument Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	January 27, 2000	***Act 2:***	
Proposal Date:	October 19, 1999	***Site Location Map:***	
Year:	1999		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	3237532 Canada Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	109 Royal Troon Lane, Dunrobin Ontario, K0A 1T0		
Comment Period:			
URL:			

Site Location Details:

Lot 8, Concession 4 & 5

Site: ***ULTRAMAR LTÉE***
OTTAWA OTTAWA ON

Database: ***RST***

Headcode:	924800
Headcode Desc:	Oils-Fuel
Phone:	6137275200
List Name:	
Description:	

Site: ***City of Ottawa***
Highway 417 Ottawa ON

Database: ***SPL***

Ref No:	3043-7QMTYH	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Other
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:	ENGINE OIL	***Site Address:***	

Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Not Anticipated	***Site Municipality:***	Ottawa
Nature of Impact:	Other Impact(s)	***Site Lot:***	
Receiving Medium:		***Site Conc:***	
Receiving Env:		***Northing:***	NA
MOE Response:		***Easting:***	NA
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/30/2009	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	Primary Assessment of Incident
Incident Reason:	Unknown - Reason not determined	***Source Type:***	
Site Name:	EB Merge Lane Hwy 417 & Eagleson Road		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo: 10L engine oil to grnd on Hwy 417		
Contaminant Qty:	10 L		

Site: ***CONSOLIDATED FREIGHTWAYS***
ALONG THE 417 TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database: ***SPL***

Ref No:	35498	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	5/29/1990	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	OTHER CONTAINER LEAK	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	NOT ANTICIPATED	***Site Municipality:***	20101
Nature of Impact:		***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	CANUTEC,OPP
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	5/30/1990	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	MATERIAL FAILURE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	CONSOLIDATED FREIGHT-15 LGLUE TO HIGHWAY BETWEEN MONTREAL AND OTTAWA		
Contaminant Qty:			

Site: ***TRANSPORT TRUCK***
HWY. 417 MOTOR VEHICLE (OPERATING FLUID) OTTAWA ON

Database: ***SPL***

Ref No:	191523	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	12/4/2000	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	TRUCK/TRAILER OVERTURN	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	20107
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	LAND	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	

Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	12/4/2000	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	OTHER	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.		
Contaminant Qty:			

Site: ***Database:***
WWIS

HWY 417 WEST Ottawa ON

Well ID:	7290688	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Test Hole	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Observation Wells	***Date Received:***	19-Jul-2017 00:00:00
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z261473	***Contractor:***	7579
Tag:	A228339	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:			
Site Info:			

Bore Hole Information

Bore Hole ID:	1006636095	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	9
Date Completed:	04-Jul-2017 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	wwr
Loc Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006753723
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	

Mat3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006753722
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006753724
Layer: 3
Color: 8
General Color: BLACK
Mat1: 17
Most Common Material: SHALE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 42.0
Formation End Depth: 72.5
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1006753731
Layer: 1
Plug From: 0.0
Plug To: 72.5
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1006753730
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1006753721
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006753727
Layer: 1
Material:
Open Hole or Material:
Depth From: 0.0
Depth To: 72.5
Casing Diameter: 2.5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006753728
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006753726
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006753725
Diameter: 3.630000114440918
Depth From: 0.0
Depth To: 72.5
Hole Depth UOM: ft
Hole Diameter UOM: inch

Site:
lot 8 ON

Database:
WWIS

Well ID: 1500396
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: OTTAWA CITY (GLOUCESTER)
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 26-Feb-1948 00:00:00
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1107
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 008
Concession:
Concession Name: JG
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	10022441	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	29-Oct-1947 00:00:00	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Loc Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930989161
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	28.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	930989162
Layer:	2
Color:	
General Color:	
Mat1:	26
Most Common Material:	ROCK
Mat2:	19
Mat2 Desc:	SLATE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28.0
Formation End Depth:	51.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961500396
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10571011
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930037815
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	28.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930037816
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	51.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991500396
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	6.0
Recommended Pump Depth:	
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933452913
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	51.0
Water Found Depth UOM:	ft

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Mar 2022

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-May 31, 2022

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2020

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Chemical Manufacturers and Distributors: Private CHEM

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.).

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-May 31, 2022

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Sep 2022

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jun 2022

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Sep 30, 2022

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: Feb 28, 2022

Environmental Activity and Sector Registry: Provincial EASR

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011- Sep 30, 2022

Environmental Registry: Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Sep 30, 2022

Environmental Compliance Approval: Provincial ECA

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For certificates of approval prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Government Publication Date: Oct 2011- Sep 30, 2022

Environmental Effects Monitoring: Federal EEM

The Environmental Effects Monitoring program assesses the effects of effluent from industrial or other sources on fish, fish habitat and human usage of fisheries resources. Since 1992, pulp and paper mills have been required to conduct EEM studies under the Pulp and Paper Effluent Regulations. This database provides information on the mill name, geographical location and sub-lethal toxicity data.

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

ERIS has compiled a database of all environmental risk reports completed since March 1999. Available fields for this database include: site location, date of report, type of report, and search radius. As per all other databases, the ERIS database can be referenced on both the map and "Statistical Profile" page.

Government Publication Date: 1999-Jul 31, 2022

Environmental Issues Inventory System: Federal EIIS

The Environmental Issues Inventory System was developed through the implementation of the Environmental Issues and Remediation Plan. This plan was established to determine the location and severity of contaminated sites on inhabited First Nation reserves, and where necessary, to remediate those that posed a risk to health and safety; and to prevent future environmental problems. The EIIS provides information on the reserve under investigation, inventory number, name of site, environmental issue, site action (Remediation, Site Assessment), and date investigation completed.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2021

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Federal Convictions: Federal FCON

Environment Canada maintains a database referred to as the "Environmental Registry" that details prosecutions under the Canadian Environmental Protection Act (CEPA) and the Fisheries Act (FA). Information is provided on the company name, location, charge date, offence and penalty.

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Sep 2022

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS): Federal FRST

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Jul 31, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario: Provincial LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Mar 21, 2022

Canadian Mine Locations: Private MINE

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Feb 2022

National Analysis of Trends in Emergencies System (NATES): Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2020

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Aug 31, 2022

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2021

Inventory of PCB Storage Sites: Provincial OPCB

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Government Publication Date: 1994 - Sep 30, 2022

Canadian Pulp and Paper: Private PAP

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: Oct 2011- Sep 30, 2022

Pipeline Incidents: Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2021

Private and Retail Fuel Storage Tanks: Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Sep 30, 2022

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Sep 2022

Retail Fuel Storage Tanks: Private RST

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks.

Government Publication Date: 1999-May 31, 2022

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

Wastewater Discharger Registration Database: Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Government Publication Date: 1990-Dec 31, 2020

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.
Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Sep 30, 2022

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

In June 1991, the Ontario Ministry of Environment, Waste Management Branch, published the "June 1991 Waste Disposal Site Inventory", of all known active and closed waste disposal sites as of October 30st, 1990. For each "active" site as of October 31st 1990, information is provided on site location, site/CA number, waste type, site status and site classification. For each "closed" site as of October 31st 1990, information is provided on site location, site/CA number, closure date and site classification. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number.

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

Government Publication Date: Jun 30 2022

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Kelly Martinell, P.Eng.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

POSITION

Environmental Engineer

EDUCATION

Dalhousie University
B.Eng., Environmental Engineering (Co-op), 2007
Saint Mary's University
Dip.Eng., Environmental Engineering, 2004

MEMBERSHIPS & AWARDS

Professional Engineers of Ontario (P.Eng.)

EXPERIENCE

2020 – Present
Paterson Group Inc.
Consulting Engineers
Environmental Division
Environmental Engineer

2007– 2017
Dillon Consulting Limited
Geoscience Practice
Environmental Engineer

2006
Dillon Consulting Limited
Site Contaminant Management Practice
Environmental Engineering Student

2006
Public Works and Government Services Canada
Sustainable Development Initiatives, Office of Greening Government Operations
Environmental Engineering Student

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – Residential and Commercial Sites – Ottawa (CSA Z768-01 and O.Reg. 269/11)
Soil and Groundwater Management Programs at over 90 Oil and Gas Sites – Various locations in New Brunswick and Nova Scotia
Environmental Site Assessments – Residential Sites, 5CDSB Gagetown, NB
Phase I Environmental Site Assessments – Commercial Sites, NB
LNAPL Mobility Assessments – Marine Terminal and 2 Bulk Plants in NB
Fisheries and Oceans Canada Contaminated Sites Program – NB and PE
CBSA Potable Water Monitoring Program – New Brunswick
Remediation – Argentia, Newfoundland

paterson group
solution oriented engineering

Mark S. D'Arcy, P.Eng., QP_{ESA}
Senior Environmental/Geotechnical Engineer

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2006, which consisted of two engineers and two field technicians. Mark has been an integral part in growing the Environmental Division, which now consists of nine engineers and three field technicians. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

EDUCATION
B.A.Sc. 1991, Geological Engineering, Queen's University, Kingston, ON

LICENCE/ PROFESSIONAL AFFILIATIONS
Professional Engineers of Ontario

ESA Qualified Person with MECP

Ottawa Geotechnical Group

Consulting Engineers of Ontario

YEARS OF EXPERIENCE
With Paterson: 30

OFFICE LOCATION
154 Colonnade Road South, Nepean, Ontario, K2E 7J5

SELECT LIST OF PROJECTS

- 222 Beechwood Avenue, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario (Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario(Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA (Senior Project Manager)
- Riverview Development – Kingston, Ontario, Phase I ESA, Phase II ESA, and filing of an RSC in the MOECC Environmental Site Registry (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavagine (Senior Project Manager)
- Energy Services Acquisition Program–Modernization Project-Ottawa; Environmental Services (Senior Project Manager)

PROFESSIONAL EXPERIENCE

May 2001 to present, **Manager of Environmental Division, Paterson Group Inc.,**
Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

1991 to 2001, **Geotechnical and Environmental Engineer, Paterson Group Inc.,** Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.