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Phase I Environmental Site Assessment

2380 and 2396 Cleroux Crescent
Ottawa, Ontario

Prepared For

Oligo Group

Paterson Group Inc.

Consulting Engineers
154 Colonnade Road South
Ottawa (Nepean), Ontario
Canada K2E 7J5

Tel: (613) 226-7381
Fax: (613) 226-6344
www.patersongroup.ca

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EXECUTIVE SUMMARY

A Phase I - Environmental Site Assessment (ESA) was carried out for the properties addressed 2380 and 2396 Cleroux Crescent in the City of Ottawa. The purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject site.

The review of available historic information indicates that the subject properties were developed for residential purposes in 1948 and 1952. Mr. Randy Kemp, the current property owner stated that 40.5 hectares of property, which includes the subject site and surrounding land, was first purchased by his great-great-grandfather in 1852 and that his family has used the land exclusively for agricultural and residential purposes. Mr. Kemp stated that parcels of the property have been gifted and sold over the years and the current 0.85 hectare subject site (2380 and 2396 Cleroux Crescent) is what remains of the original 1852 purchase. Surrounding properties have historically been used for agriculture until large-scale residential development occurred in the 1960s and 70s. The historic uses of the subject site and surrounding properties are not considered to represent a significant environmental concern.

Following the historical research, a site visit was conducted to assess existing potential areas of concern. Both dwellings on the Phase I Property are heated by natural gas. No environmental concerns were identified during the site visit with respect to the current use of the subject site or surrounding properties.

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

Recommendations

Based on the age of the subject site dwellings (1948 and 1952), there is the potential for the presence of asbestos containing materials (ACMs), lead-containing paint and other designated substances. Potential ACMs included drywall joint compound, stipple-textured ceilings, suspended ceiling tiles, linoleum and vinyl tile flooring. Prior to the disturbance of building materials within the subject site dwellings and the 2380 garage, a designated substance survey should be conducted to prevent the potential exposure of hazardous materials to workers or occupants.

During future redevelopment of the subject site, any potable water wells should be decommissioned according to O. Reg. 903.

City of Ottawa, Ontario. For the purposes of this report, Cleroux Crescent is considered to run in a north-south direction. Refer to Figure 1 - Key Plan for the site location.

Latitude and Longitude: 45° 22' 52.0" N, 75° 36' 57.0" W

Site Description:

Configuration: Irregular

Site Area: 0.84 ha (approximately)

Zoning: R5A – Residential

Current Use: The subject properties are each occupied by a single residential dwelling and detached garage and are used for residential purposes.

Services: The 2380 dwelling uses a private potable water well and septic system while 2396 is municipally serviced. The subject site is located in a municipally serviced area.

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 subject site and study area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the subject property, and if warranted, neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act as well as in compliance with the requirements of CSA Z768-01;
- 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 ESA study area for this assignment. Properties outside the 250 m radius are not considered to have impacted the subject land, based on their significant distance from the site.

First Developed Use Determination

According to the interview conducted as part of this assessment, the property at 2380 Cleroux Crescent was first developed in 1948 for residential purposes, and the property at 2396 Cleroux Crescent was first developed in 1952 for residential purposes.

Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the area of the subject site.

City of Ottawa Street Directories

City directories for the area of the subject site were reviewed from 1989 to 2011. The subject site was not listed. Neighbouring properties east along Cleroux Crescent were listed as residential.

Plan of Survey

A topographic plan of survey completed by Stantec in 2016 was reviewed as part of this investigation, and is provided in Appendix 1 of this report.

4.2 Environmental Source Information

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on December 14, 2020. The subject site was not listed in the NPRI database. No records of pollutant release were listed in the database for properties located within the Phase I Study Area.

PCB Inventory

A search of national PCB waste storage sites was conducted electronically on December 14, 2020 as part of this assessment. No PCB waste storage sites were identified in the Phase I study area.

Ontario Ministry of Environment, Conservation and Parks (MECP) Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the site. A response from the MECP had not been received prior to the issuance of this report.

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 coal gasification plants were identified within the Phase I study area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants or inspections maintained by the MECP for the subject site or adjacent properties. A response from the MECP had not been received prior to the issuance of this report.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment for the site, neighbouring properties, and the general area of the site. No Records of Site Condition (RSCs) were filed for the subject site or adjacent properties.

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. No former waste disposal sites were identified within the Phase I study area.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records. A response from the MECP had not been received prior to the issuance of this report.

MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions. A response from the MECP had not been received prior to the issuance of this report.

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I study area was conducted on the web site of the Ontario Ministry of Natural Resources (MNR) on December 14, 2020. The search did not reveal any natural features or areas of natural significance within the Phase I study area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch was contacted electronically on November 30, 2020. The response indicated that there are no underground storage tanks recorded in the TSSA registry for the subject property.

The TSSA search returned records of one (1) non licensed facility at 2412 Cleroux Crescent (retirement facility), approximately 25 metres east of the Phase I Property. The TSSA indicated that as a requirement of the residence' insurance, they requested an inspection of the building. No records of ASTs or USTs were identified in the search. This property is not considered to represent a PCA (Potentially Contaminating Activity) with respect to the Phase I Property.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. No former waste disposal sites were located within the Phase I study area.

City of Ottawa Historical Land Use Inventory

A requisition was sent to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI 2005) database for the subject property. A response had not been received at the time of issuing this report. A copy of the

HLUI search results will be forwarded to the client. A copy of the HLUI request form is provided in Appendix 2.

ERIS Search

An ERIS (Environmental Risk Information Service) Report was obtained for the Phase I Property and properties within the Phase I Study Area.

Based on the ERIS search, there are no records identified for the Phase I Property.

22 total records from various databases were identified in the ERIS search within the 250 m search radius, which included records from Certificates of Approval (CAs), Ontario Well Records, Ontario Waste Generators, and Ontario Spills Registry.

Certificates of Approval (CAs) found within the search radius were comprised of private and municipal water and sewer works.

One (1) historical spill from 1989 was identified in the ERIS search, which involved a clean-up of red oil from an unknown source, approximately 120 metres southwest of the Phase I Property. Based on the separation distance from the subject site and lower elevation, this historical spill is not considered to pose an environmental risk Phase I property.

Six (6) Ontario well records were recovered within the Phase I Study Area, including two (2) within the Phase I Property boundaries. The two wells within the Phase I Property were identified as potable wells, drilled in 1949 and 1966, respectively. No concerns were identified with the well record review.

A copy of the ERIS report is included in Appendix 2.

Previous Environmental Reports

A previous report from Paterson Group on the Phase I Property was completed in 2017 following the requirements of CSA Z768-01. The report did not identify any potential environmental concerns on the property or surrounding area.

A review of previous environmental projects in the area of the subject land completed by Paterson Group did not identify any potential environmental risks to the subject land.

A geotechnical report by others, completed in 2017, was reviewed as part of this assessment. The field investigation consisted of five (5) boreholes placed on the subject property to a maximum depth of 10.3 metres, with one Dynamic Cone

Penetration Test (DCPT) extending to 27.4 metres below ground surface. The stratigraphic profile of the subject site was identified to generally consist of topsoil (0.15 - 0.40 m) followed by a silty sand to silty clay “fill” material (1.0 - 2.0 m) then a firm to hard silty clay deposit (25 to 27 metres in depth). While the sandy upper layer in three of the boreholes was identified as fill in the report, it is considered likely that the silty sand layer is native material or reworked native material from site development. As such, the presence of silty sand noted in some of the boreholes is not considered to pose a potential environmental risk to the subject land.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals. The review period dates back to the first available air photos for the site. Based on the review, the following observations have been made:

- | | |
|------|---|
| 1952 | The subject site and surrounding properties appear to be farmsteads and associated agricultural lands. The land to the north (across Innes Road) belongs to RCMP Technical Operations. Specific site features cannot be determined due to scale. |
| 1965 | (City of Ottawa, geoOttawa) The current residential dwellings on 2380 and 2396 Cleroux appear to be present. Separate detached structures are also present on both properties and the remainder of the land appears to be used for agriculture. Lands to the south, west and northwest appear to be agricultural, to the east is the current institutional property (Norman Johnston Secondary Alternate School) and to the southeast is residential properties |
| 1978 | The subject properties appear as they do today. No significant changes appear to have been made to the institutional property to the east. Former agricultural lands to the west and southwest have been redeveloped with residential properties. Lands to the southeast and further east have also been developed with residential properties. |
| 1983 | No significant changes appear to have been made to the subject site or surrounding properties. |

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- | | |
|------|--|
| 1994 | No significant changes appear to have been made to the subject site or surrounding properties. |
| 2007 | (City of Ottawa, geoOttawa) No significant changes appear to have been made to the subject site or surrounding properties. |
| 2019 | (City of Ottawa, geoOttawa) No significant changes appear to have been made to the subject site or surrounding properties. |

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

Topographic Maps

Topographic information was obtained from the City of Ottawa “Geo Ottawa” website and Natural Resources Canada – The Atlas of Canada website. The topographic maps indicate that the elevation of the subject site is approximately 80 m ASL, and that the regional topography in the general area of the site slopes gradually downward to the southwest. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands. According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The subject site is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

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 beneath the site area consists of interbedded limestone and shale of the Lindsey Formation. Surficial soils were identified to consist of coarse to fine-grained glaciomarine deposits, with a drift thickness of 25 to 50 metres.

Water Well Records

A search of the MECP website identified six (6) well records in the Phase I study area, two (2) of which are located within the Phase I Property. The two wells within the Phase I Property are listed as potable wells, drilled in 1949 and 1966, respectively. The well drilled in 1949 was drilled to a depth of 165 feet, and the well

drilled in 1966 was drilled to a depth of 94 feet. The strata generally consisted of a silty clay and some glacial till over shale bedrock, with a drift thickness of approximately 25 to 30 metres. No concerns were identified with the well record review.

Water Bodies and Areas of Natural Significance

Green's Creek is the nearest body of water, located approximately 2.6 kilometres west of the Phase I Property. No creeks, rivers, streams, lakes or any other water body was identified within the Phase I study area. No areas of natural significance are known to exist within the Phase I study area.

5.0 INTERVIEWS

Property Owner Representative

During the 2017 Phase I ESA on the subject property, Mr. Randy Kemp was available via telephone and email to respond to questions, and he accompanied Paterson during the site visit. Mr. Kemp stated that the subject site has been owned by his family since 1852 with the purchase of a 40.5 hectare (100 acre) property by his great-great-grandfather, Mr. John Kemp. Mr. Kemp stated that the property has always been used for residential and agricultural purposes, and land parcels were sold or gifted at various times and the current 0.85 hectare (2.1 acre) subject site is what remains of the original 1852 purchase. According to Mr. Kemp, the 2380 dwelling was constructed in 1948 and the detached garage in 1985, and the 2396 dwelling was constructed in 1952 and detached garage sometime after 1965. Mr. Kemp was unaware of any environmental issues with the subject site.

Mr. Kevin Kemp, Randy's brother, was present during the current site visit and available to respond to questions. He stated that no changes have been made to the subject property since the 2017 report, and he was unaware of any environmental issues with the subject site.

Mr. Randy Kemp, the current property owner, was again available to respond to questions in December 2020 via email. Mr. Kemp confirmed the accuracy of the historical information provided in the 2017 report. He also stated that no changes have been made to the subject property since the 2017 assessment. Mr. Kemp was again unaware of any environmental issues with the subject site.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site assessment was conducted on December 18th, 2020. Weather conditions consisted of clear sky, with a temperature of approximately -10°C. The site was frost covered at the time of the visit. Mr. Jesse Andrechek from the Environmental Department of Paterson Group conducted the site visit. 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.

6.2 Specific Observations at Phase I Property

Buildings and Structures

Multiple buildings were present on the property, including two (2) residential structures, each with a detached garage, and several small structures located in the rear of 2380 Cleroux Crescent. An assessment was conducted on each of the buildings present on the Phase 1 Property.

2380 Cleroux Crescent

The 2380 land parcel has a two (2) storey residential dwelling finished with brick, with a single level basement and sloped shingled roof. An addition was constructed in the 1970s on the west side of the dwelling and consists of a single storey and basement level. A natural gas meter is located on the west building face, near the northwest corner of the building. A two (2) storey detached garage with a finished 2nd level and concrete slab-on-grade foundation is present to the southwest of the dwelling, and is heated with electric baseboards. Two (2) sheds and one (1) small polycarbonate greenhouse, located south of the detached garage, were empty at the time of the site visit. One of the sheds features wood construction and a sloped and shingled roof, while the other shed is of metal construction.

2396 Cleroux Crescent

The 2396 land parcel has a one (1) storey residential dwelling finished with stone and vinyl siding, with a single level basement and sloped roof. An addition was constructed in the 1970s on the north side of the dwelling, consisting of a single storey and basement level, and a second addition was constructed in the 1980s on the west side of the building, also consisting of a single storey and basement level. A natural gas meter is located on the west building face, near the northwest corner of the building. A single-storey detached garage is present to the west of

the dwelling, featuring a poured concrete slab-on-grade, wood framed construction and a sloped and shingled roof. The detached garage is not heated.

Site Features

The subject buildings occupy a small portion of their respective properties and each have asphaltic concrete driveway parking. The majority of the Phase I Property is grassed with some treed areas. The subject site slopes down to the south and west, with as much as a 7-metre difference in elevation, according to the July 2016 topographic plan of survey completed by Stantec and confirmed by the site reconnaissance in December 2020. A copy of the topographic plan is included in Figure 2 following the body of this report.

Below Ground Structures or Utilities

The 2380 dwelling and detached garage discharge wastewater to a private septic system that has been in place since the dwelling's construction, located approximately 10 metres south of the building.

The 2396 dwelling receives municipal water servicing as well as discharges wastewater to the municipal sewer system.

Both dwellings are serviced by natural gas, with metres located on the west side of both buildings, near the northwest corner of the building.

Two (2) standpipes from the 2017 geotechnical boreholes drilled by others and one (1) borehole with a previously destroyed standpipe were present on the Phase I Property at the time of the site reconnaissance. No unusual odours or visual observations were made with respect to the boreholes or standpipes.

Fill Material

No signs of fill material were noted at the time of the site visit. No odours or visible signs of contamination were noted.

Interior Assessment

2380 Cleroux Crescent

A general description of the 2380 Cleroux Crescent building interior is as follows:

- The floors throughout the building consist of carpet, ceramic tile, hardwood and linoleum. The basement floor was poured concrete;

- Wall materials consisted of drywall and basement foundation walls were cinder block;
- The ceilings consisted of drywall with some areas having a stipple textured finish. The basement ceiling was mostly unfinished with some areas of suspended ceiling tiles;
- Lighting throughout the building was provided by incandescent and fluorescent fixtures;
- Insulation was observed to be blown-in cellulose material within the attic and batt-style fibreglass (observed throughout the basement).

2396 Cleroux Crescent

A general description of the 2396 building interior is as follows:

- The floors throughout the building consisted of ceramic tile, laminate, linoleum and vinyl floor tile. The basement floor was poured concrete;
- Wall materials consisted of drywall and basement foundation walls were cinder block with a parging finish;
- The ceilings consisted of drywall with some areas having a stipple textured finish. The basement ceiling was unfinished;
- Lighting throughout the building was provided by incandescent and fluorescent fixtures;
- Insulation was observed to be blown-in cellulose material within the attic and batt-style fibreglass (observed throughout the basement).

Chemical storage within both dwellings was limited to commercially-available cleaning products and paints, which were properly stored and are not considered to represent an environmental concern to the Phase I property.

Potentially Hazardous Building Products

- Asbestos Containing Materials (ACMs)**

Based on the age of the buildings, it is considered possible that ACMs have been used in their construction. Based on visual observations of the buildings made at the time of the assessment, common potential ACMs include drywall joint compound, stipple-textured ceilings, suspended ceiling

tiles, linoleum and vinyl tile flooring. Potential ACMs were in good condition at the time of the site visit.

Lead-Based Paint

Based on the age of the buildings, it is considered possible that lead based paints have been used. Painted surfaces were in good condition at the time of the site visit.

Polychlorinated Biphenyls (PCBs)

Fluorescent lighting fixtures were observed in all of the subject buildings (dwellings and garages). Ballasts installed prior to 1980 may contain PCBs, however, it is expected that most of the original ballasts have been replaced within the last 37 years. Therefore, PCBs are not considered to represent a significant concern on the subject site.

Urea Formaldehyde Foam Insulation (UFFI)

No signs indicating the presence of UFFI were observed within the subject buildings during our inspection. However, wall cavities were not inspected for insulation type.

Other Potential Environmental Concerns

Fuels and Chemical Storage

Both the 2380 and 2396 dwellings are currently heated with natural gas fired forced air HVAC systems equipped with supplemental air-exchanger heat pumps. It was reported by Mr. Kemp that each dwelling was originally heated with fuel oil. The 2380 dwelling was converted to natural gas in 1992/93 while 2396 was converted in 2012. The location of the former fuel oil storage tanks was indicated by Mr. Kemp, and no signs of staining or evidence of fuel spills were noted. All piping associated with the storage tanks was also removed at the time of the respective conversions to natural gas.

No unusual odours were observed in either basement at the time of the site visit. Due to the removal of the tanks and associated piping, and lack of visual or olfactory evidence of a historical spill, the former presence of the aboveground fuel oil tanks is not considered to pose an environmental risk to the subject site.

Other chemicals identified within the buildings were limited to small quantities household paints and cleaning supplies, and were not considered to pose an environmental risk to the Phase I Property.

Ozone Depleting Substances (ODSs)

Potential sources of ODSs observed on site include the air-exchanger heat pumps, refrigeration units, and fire extinguishers. These appliances should be regularly serviced by a licensed contractor.

Drains, Pits and Sumps

No floor drains, pits or sumps were observed within either of the subject buildings.

Mould and Moisture

At the time of the site visit, no mould or excessive moisture conditions were identified, and no damage resulting from potential previous mould or moisture presence was noted.

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 was as follows:

- North Cleroux Crescent, followed by an educational institution and Innes Road;
- South Residential dwellings, followed by Orient Park Drive;
- East Orient Park Drive, followed by a retirement facility and residential dwellings;
- West Residential dwellings, followed by Autumn Hill Crescent.

No Potentially Contaminating Activities (PCAs) were identified in the Phase I study area. The current uses of the adjacent properties are not considered to pose an environmental risk to the Phase I Property. Current land use within the Phase I study area is illustrated on Drawing PE4015-2 – Surrounding Land Use Plan in Figures following the body of this report.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The following table indicates the current and past uses of the site as well as associated potentially contaminating activities dating back to the first developed use of the site.

Table 1 - Land Use History			
2380 Cleroux Crescent			
Time Period	Land Use	Potentially Contaminating Activities	Areas of Potential Environmental Concern
Prior to 1948	Agricultural	None	None
1948 to Present	Residential	None	None
2396 Cleroux Crescent			
Time Period	Land Use	Potentially Contaminating Activities	Areas of Potential Environmental Concern
Prior to 1952	Agricultural	None	None
1952 to Present	Residential	None	None

Potentially Contaminating Activities (PCAs)

No Potentially Contaminating Activities (PCAs) were identified on the subject site.

Areas of Potential Environmental Concern (APEC)

No Areas of Potential Environmental Concern were identified on the subject site.

Contaminants of Potential Concern (CPC)

No contaminants of potential concern were identified, since no APECs were identified on the subject site.

7.2 Conceptual Site Model

Existing Buildings and Structures

The subject site is occupied by two (2) residential buildings, two (2) detached garages, as well as two (2) storage sheds and one shade structure to the south of the 2380 detached garage. An exterior deck with a roofed area is also present off of the south of the 2380 dwelling.

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada, bedrock beneath the site area consists interbedded limestone and shale of the Lindsey formation.

Surficial soils were identified to consist of coarse to fine-grained glaciomarine deposits, with a drift thickness of 25 to 50 metres.

Hydrogeological conditions are considered to mimic the topographic setting; as a result, groundwater is expected to flow southwest.

Contaminants of Potential Concern

As per Section 7.1 of this report, no CPCs were identified on the subject site.

Water Bodies

The nearest body of water is Green's Creek, located approximately 2.6 kilometres west of the subject property.

Areas of Natural Significance

No areas of natural significance were identified on the site or in the Phase I area.

Drinking Water Wells

Two (2) potable wells were identified within the Phase I Property, drilled in 1949 and 1966, respectively. No concerns were identified with the well record review.

Neighbouring Land Use

Neighbouring land use in the Phase I study area consists of residential and vacant land, with the exception of a retirement facility and a school. Land use is shown on Drawing PE4015-2-Surrounding Land Use Plan.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no PCAs were identified on the subject property or in the Phase I study area. As a result, no APECs are considered to be present on the site.

Assessment of Uncertainty and/or Absence of Information

The absence of potentially contaminating activities was confirmed by a variety of independent sources. 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

Assessment

A Phase I - Environmental Site Assessment (ESA) was carried out for the properties addressed 2380 and 2396 Cleroux Crescent in the City of Ottawa. The purpose of this environmental assessment was to research the past and current use of the site and adjacent properties and identify any environmental concerns with the potential to have impacted the subject site.

The review of available historic information indicates that the subject properties were developed for residential purposes in 1948 and 1952. Mr. Randy Kemp, the current property owner stated that 40.5 hectares of property, which includes the subject site and surrounding land, was first purchased by his great-great-grandfather in 1852 and that his family has used the land exclusively for agricultural and residential purposes. Mr. Kemp stated that parcels of the property have been gifted and sold over the years and the current 0.85 hectare subject site (2380 and 2396 Cleroux Crescent) is what remains of the original 1852 purchase. Surrounding properties have historically been used for agriculture until large-scale residential development occurred in the 1960s and 70s. The historic uses of the subject site and surrounding properties are not considered to represent a significant environmental concern.

Following the historical research, a site visit was conducted to assess existing potential areas of concern. Both dwellings on the Phase I Property are heated by natural gas. No environmental concerns were identified during the site visit with respect to the current use of the subject site or surrounding properties.

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

Recommendations

Based on the age of the subject site dwellings (1948 and 1952), there is the potential for the presence of asbestos containing materials (ACMs), lead-containing paint and other designated substances. Potential ACMs included drywall joint compound, stipple-textured ceilings, suspended ceiling tiles, linoleum and vinyl tile flooring. Prior to the disturbance of building materials within the subject site dwellings and the 2380 garage, a designated substance survey should be conducted to prevent the potential exposure of hazardous materials to workers or occupants.

During future redevelopment of the subject site, any potable water wells should be decommissioned according to O. Reg. 903.

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 by O.Reg. 269/11 and meets the requirements of CSA Z768-01. 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 Oligo Group Inc. Permission and notification from the above noted party and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Jesse Andrechek, B.A.Sc.



Mark S. D'Arcy, P.Eng., QP_{ESA}



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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.
MNRF Areas of Natural Significance.
MECP Water Well 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.
The City of Ottawa Historical Land Use Inventory.
Intera Technologies Limited Report “Mapping and Assessment of Former Industrial Sites, City of Ottawa”, 1988.
The City of Ottawa GeoOttawa website.

Local Information Sources

ERIS Environmental Risk Information Services
Previous Engineering Reports
Personal Interviews

Public Information Sources

Google Earth.
Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4015-1 – SITE PLAN

DRAWING PE4015-2 – SURROUNDING LAND USE PLAN

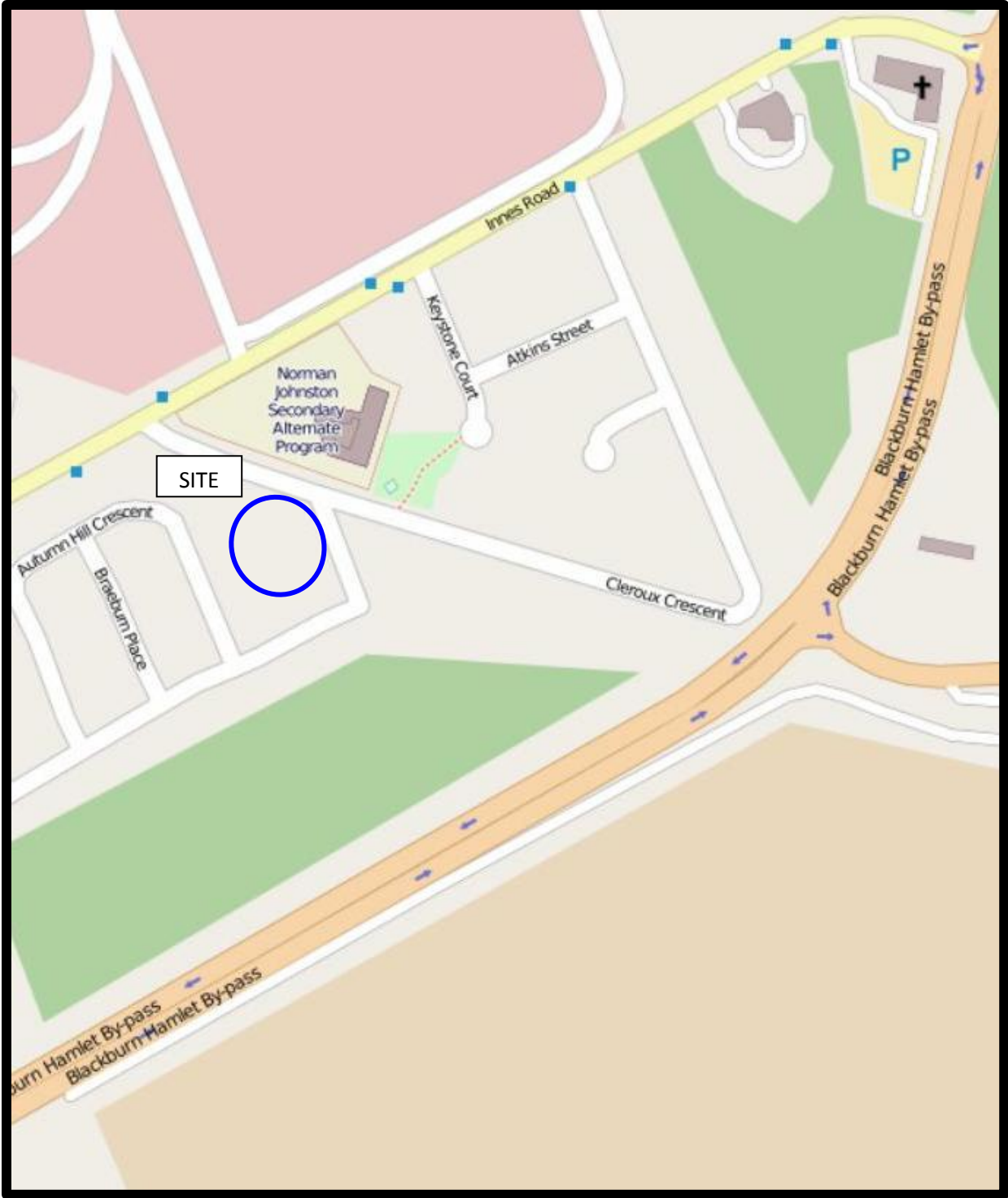


FIGURE 1
KEY PLAN

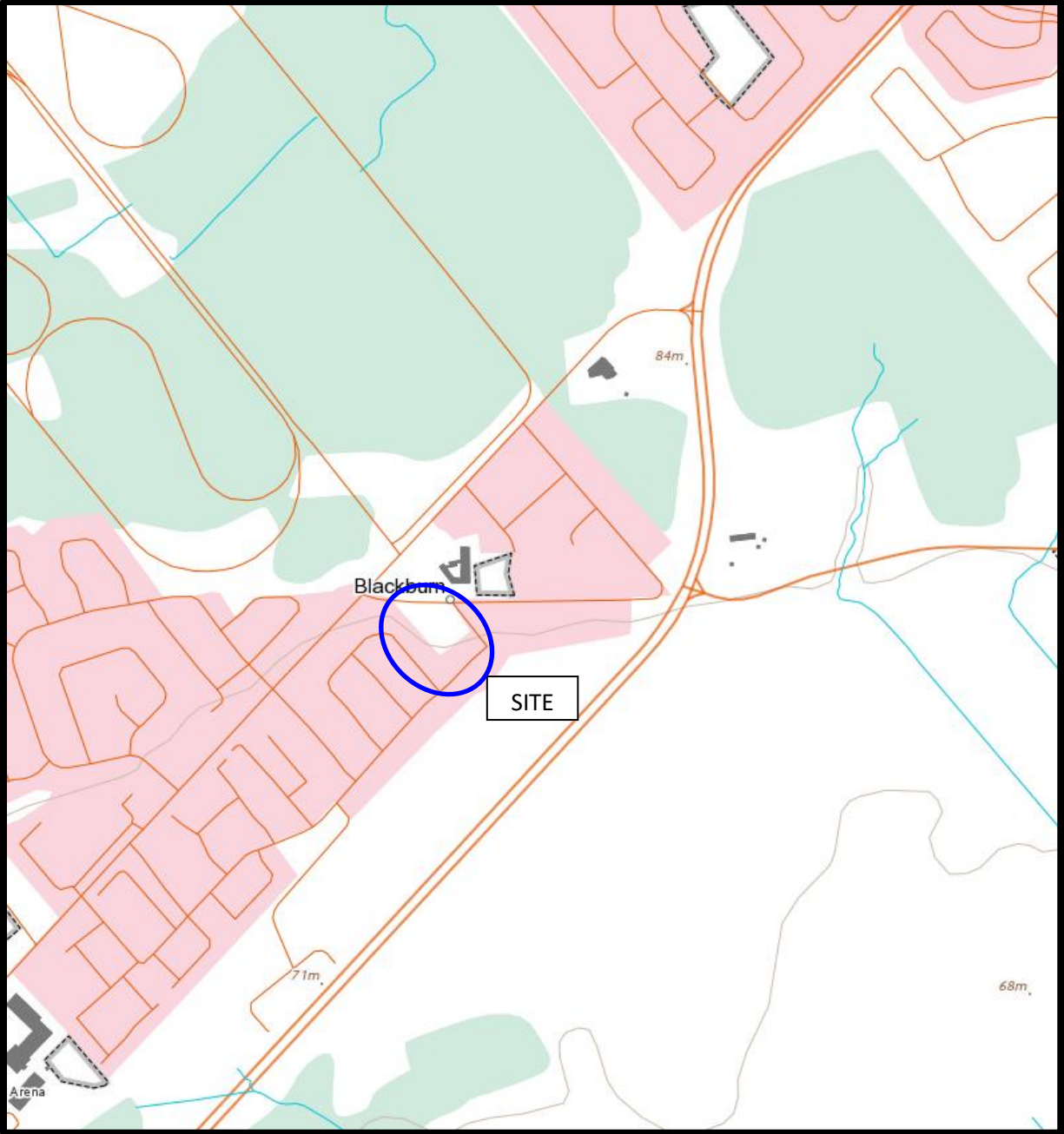
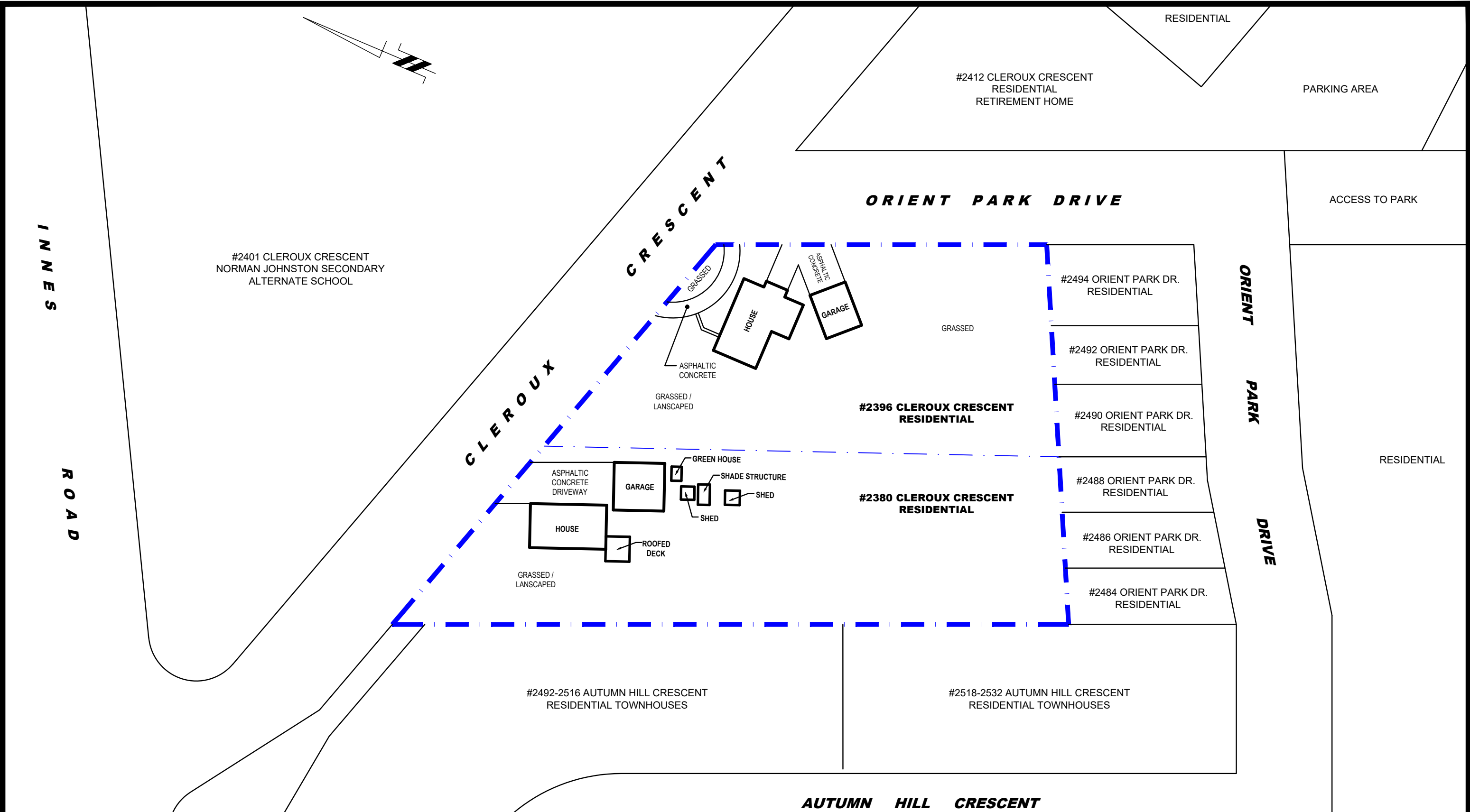


FIGURE 2
TOPOGRAPHIC MAP



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

OLIGO GROUP
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
2380 AND 2396 CLEROUX CRESCENT

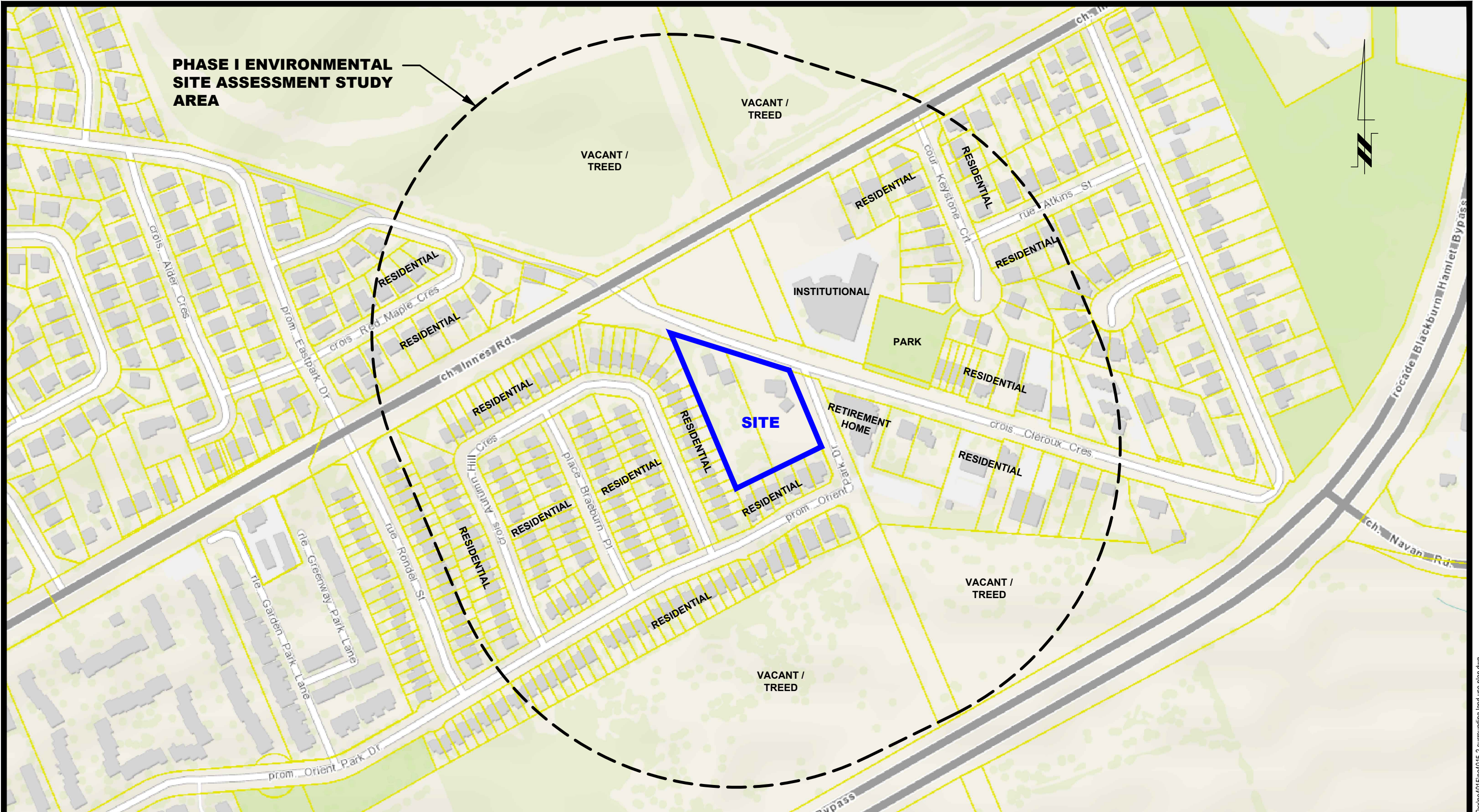
OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale:	1:750	Date:	01/2021
Drawn by:	MPG	Report No.:	PE4015-2
Checked by:	JA	Dwg. No.:	PE4015-1
Approved by:	MSD	Revision No.:	

p:\autocad drawings\environmental\pe4015\pe4015-1-site plan.dwg

**PHASE I ENVIRONMENTAL
SITE ASSESSMENT STUDY
AREA**



patersongroup
consulting engineers

154 Colonnade Road South
Ottawa, Ontario K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

OLIGO GROUP

**PHASE I - ENVIRONMENTAL SITE ASSESSMENT
2380 AND 2396 CLEROUX CRESCENT**

OTTAWA, ONTARIO

SURROUNDING LAND USE PLAN

Scale:	1:3000	Date:	01/2021
Drawn by:	MPG	Report No.:	PE4015-2
Checked by:	JA	Dwg. No.:	PE4015-2
Approved by:	MSD	Revision No.:	

APPENDIX 1

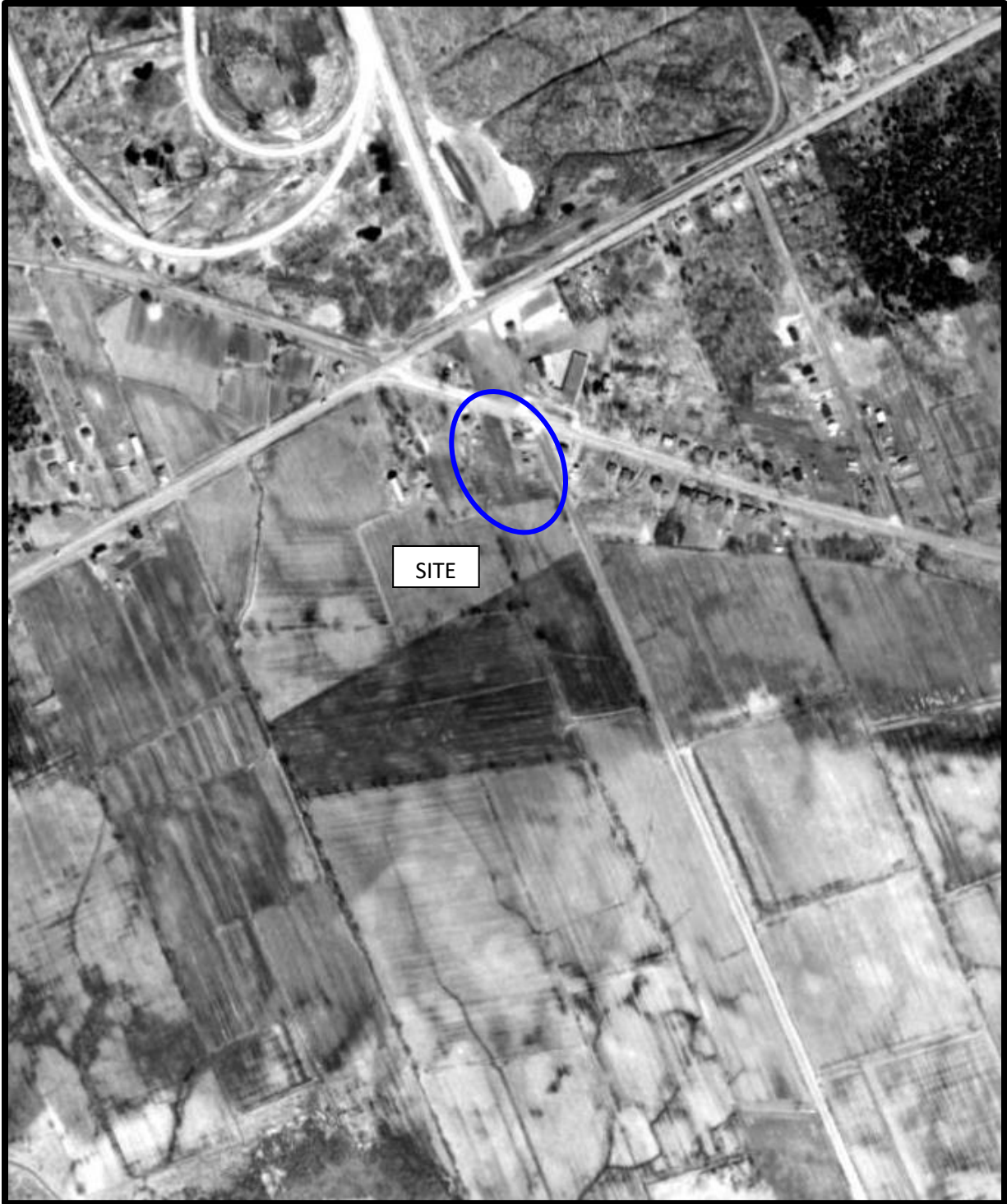
SURVEY PLAN

AERIAL PHOTOGRAPHS

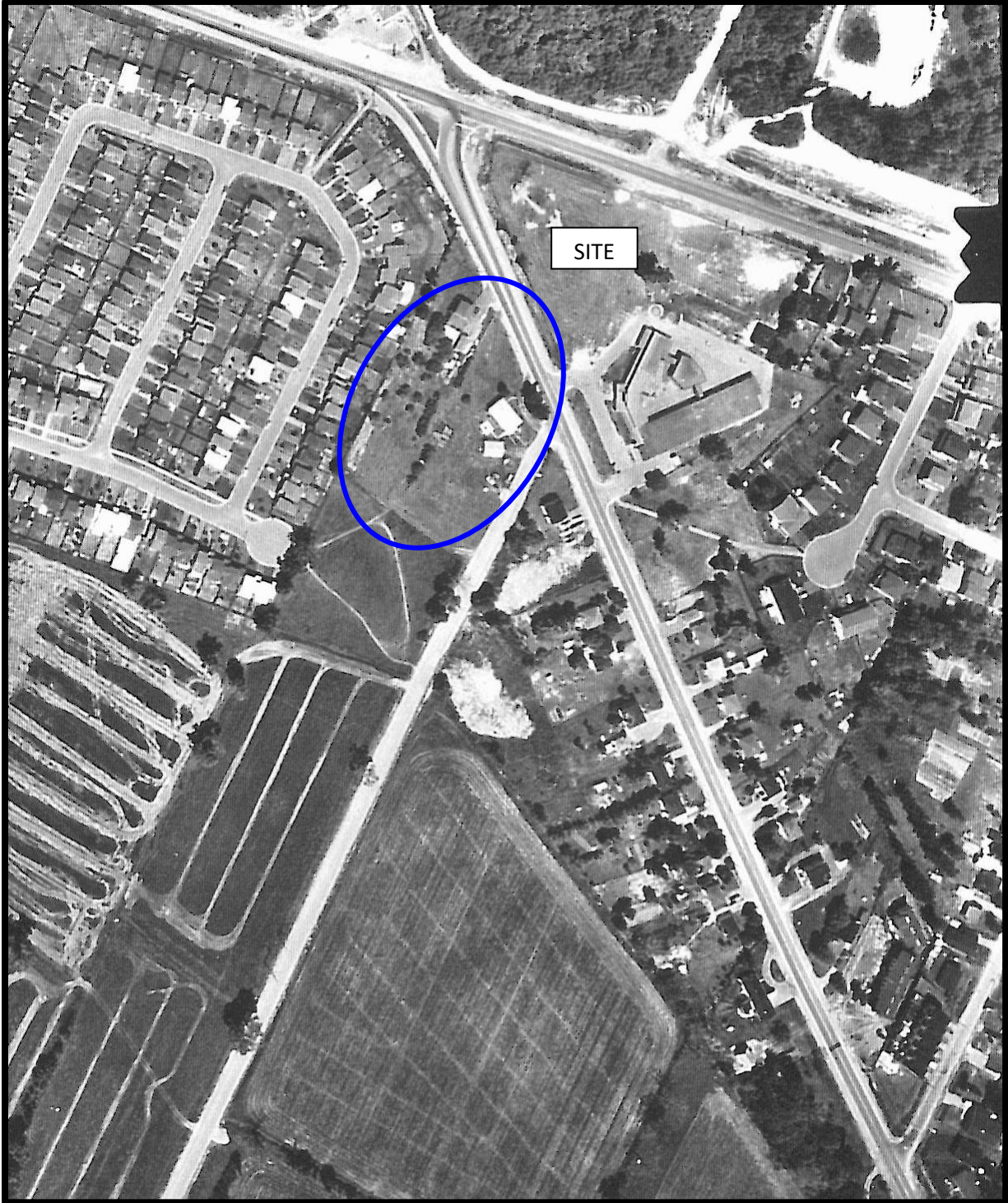
SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1952



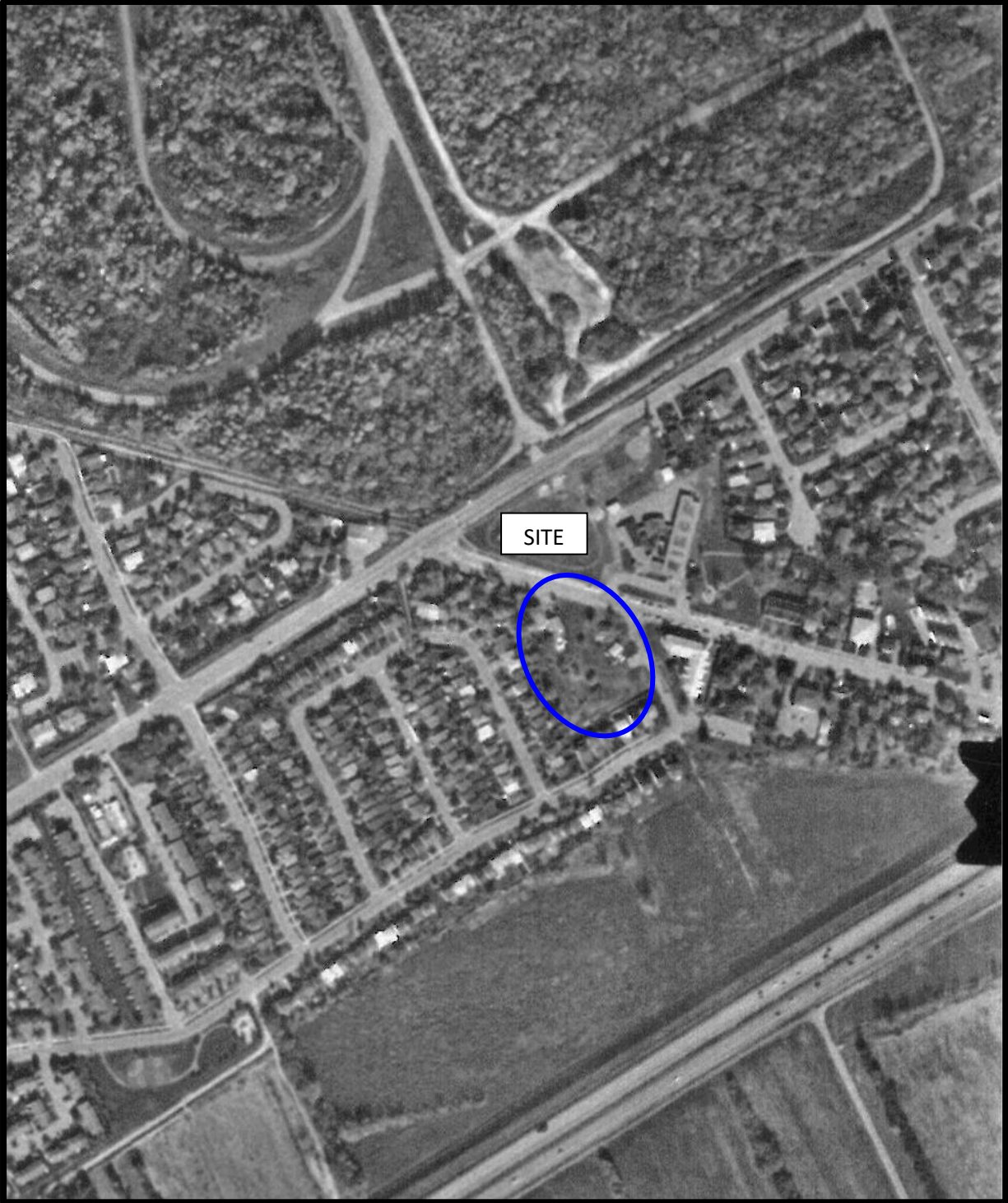
AERIAL PHOTOGRAPH
1965



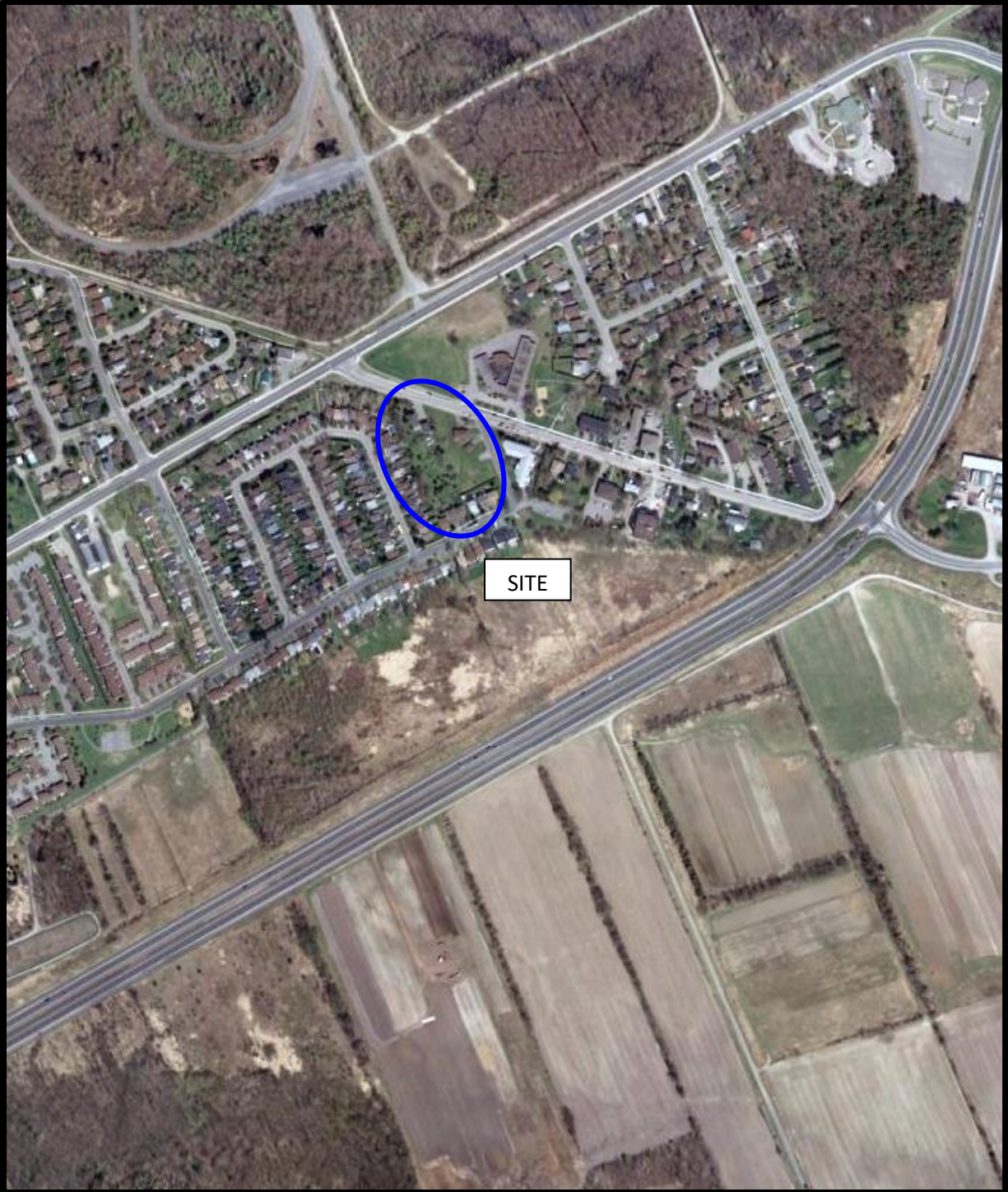
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1978



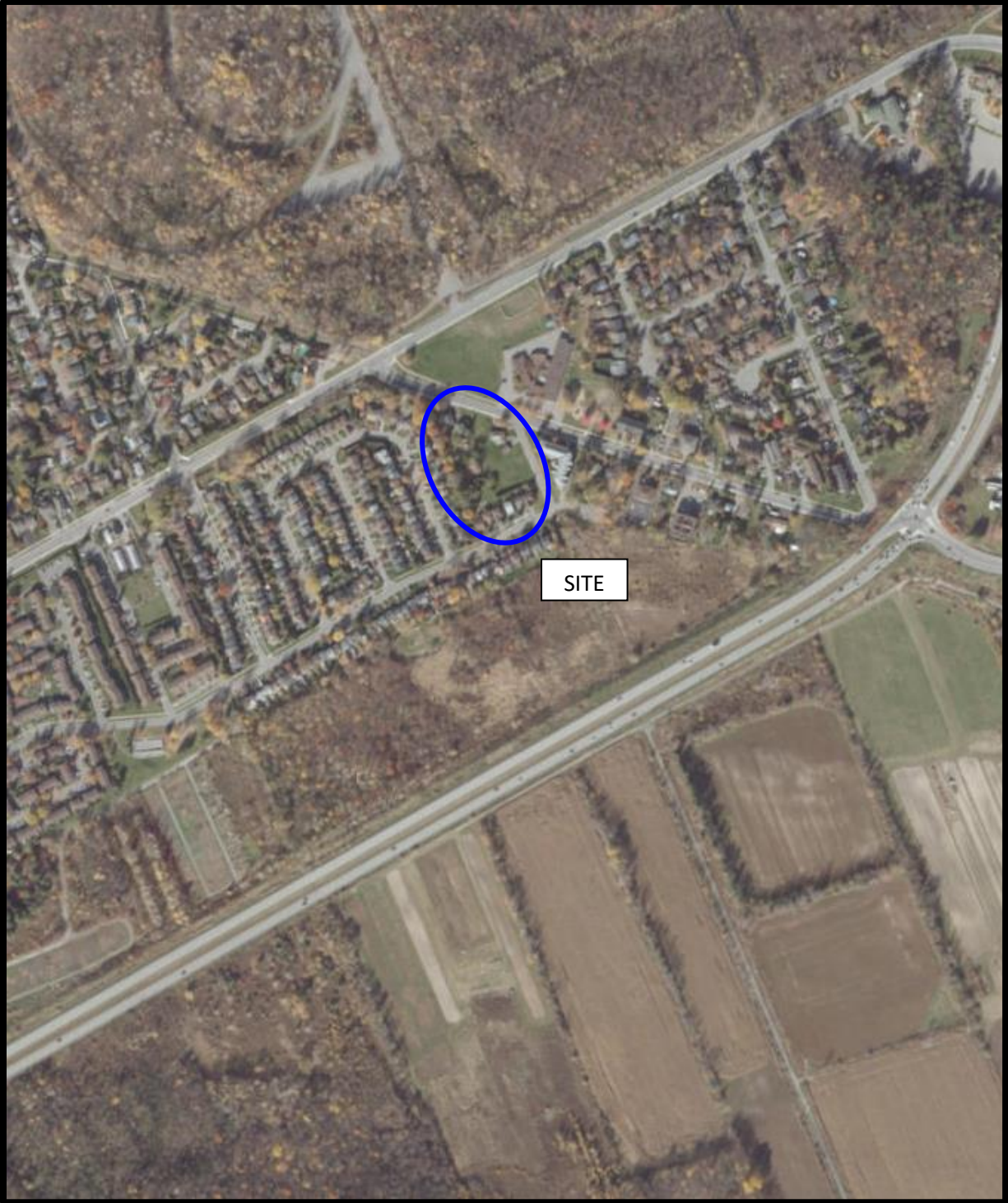
AERIAL PHOTOGRAPH
1983



AERIAL PHOTOGRAPH
1994



AERIAL PHOTOGRAPH
2007



AERIAL PHOTOGRAPH
2019

Photographs from Site Visit – December 18, 2020

Photo 1: Facing southeast towards the front building face of 2380 Cleroux Crescent.



Photo 2: Facing east towards the west building face of 2380 Cleroux Crescent.



Photographs from Site Visit – December 18, 2020

Photo 3: Just east of the driveway of 2380 Cleroux Crescent, facing west towards the east building face of the 2380 Cleroux Crescent dwelling.



Photo 4: South of 2380 Cleroux Crescent dwelling, facing northwest.



Photographs from Site Visit – December 18, 2020

Photo 5: Facing south towards the 2380 Cleroux Crescent detached garage.



Photo 6: North of the 2396 Cleroux Crescent dwelling, facing the north building face.



Photographs from Site Visit – December 18, 2020

Photo 7: Facing the southwest building corner of the 2396 Cleroux Crescent dwelling.



Photo 8: Facing the east building face of the 2396 Cleroux Crescent dwelling.



Photographs from Site Visit – December 18, 2020

Photo 9: Near southeast property corner, facing northwest towards the 2396 Cleroux Crescent detached garage.



Photo 10: Facing the west property line fence, towards residential buildings along Autumn Hill Crescent.



Photographs from Site Visit – December 18, 2020

Photo 11: Near the west property fence line, facing south towards residential structures along Orient Park Drive.



APPENDIX 2

MECP FREEDOM OF INFORMATION REQUEST

HLUI REQUEST

ERIS REPORT

TSSA CORRESPONDENCE

Freedom of Information and
Protection of Privacy Office
40 St. Clair Avenue West, 12th Floor
Toronto ON M4V 1M2
Telephone 416 314-4075

Instructions

Use this form to request records that are in the Ministry's files on environmental concerns related to properties. Our fax number is 416 314-4285.

For Ministry Use Only

FOI Request Number	Date Request Received (yyyy/mm/dd)
Fee Paid	<input type="checkbox"/> Cheque <input type="checkbox"/> VISA/MC <input type="checkbox"/> Cash/Money Order
<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SCB <input type="checkbox"/> SDW	

1. Requester Data

Last Name Andrechek	First Name Jesse	Middle Initial J
Title Environmental Technician	Company Name Paterson Group	

Mailing Address

Unit Number	Street Number 154	Street Name Colonnade Road South	PO Box
City/Town Ottawa	Province Ontario	Postal Code K2E 7J5	
Email Address jandrechek@patersongroup.ca	Telephone Number 613 226-7381	ext. 228 Fax Number	

Project/Reference Number PE5096	Signature of Requester
---	------------------------

2. Request Parameters

Municipal Address (Municipal address mandatory for cities, towns or regions)

Unit Number	Street Number 2380	Street Name and 2396 Cleroux Crescent	PO Box
Lot Number 2	Concession 3	Geographic Township	
City/Town/Village Ottawa	Province ON	Postal Code K1T 0J5	

Present Property

1. Owner	Date of Ownership (yyyy/mm/dd)
Tenant (if applicable)	

Previous Property

1. Owner	Date of Ownership (yyyy/mm/dd)
Tenant (if applicable)	

3. Search Parameters

Search Parameters	Specify Year(s) Requested
Environmental concerns (General correspondence, occurrence reports, abatement)	All
Orders	All
Spills	All
Investigations/prosecutions ► Owner and tenant information must be provided	All
Waste Generator number/classes	All

Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.

4. Environmental Compliance Approvals/Certificates of Approval

Environmental Compliance Approvals/Certificates of Approval	SD	Specify Year(s) Requested
air - emissions	<input checked="" type="checkbox"/>	1986- Present
renewable energy	<input checked="" type="checkbox"/>	1986- Present
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)	<input checked="" type="checkbox"/>	1986- Present
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations	<input checked="" type="checkbox"/>	1986- Present
waste water - industrial discharge	<input checked="" type="checkbox"/>	1986- Present
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites	<input checked="" type="checkbox"/>	1986- Present
waste systems - haulers: sewage, non-hazardous & hazardous waste, mobile waste processing units, PCB destruction	<input checked="" type="checkbox"/>	1986- Present

Proponent information must be provided and Environmental Compliance Approval/Certificate of Approval number(s) (if known). 1985 and prior records are searched manually. Search fees in excess of \$300.00 may be incurred, depending on the types and years to be searched. Specify Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.

patersongroup

Consulting Engineers

154 Colonnade Road South
Ottawa, Ontario
Canada, K2E 7J5
Tel: (613) 226-7381
Fax: (613) 226-6344

December 4, 2020
File: PE4015-LET.01

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

Geotechnical Engineering
Environmental Engineering
Hydrogeology
Geological Engineering
Materials Testing
Building Science
Archaeological Services

www.patersongroup.ca

**Subject: Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment
2380 and 2396 Cleroux Crescent
Ottawa, Ontario**

Dear Sir or Madame,

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:

*Homestead Developments Corp
Randall Kemp*

Name of Representative:

Randall Kemp

Authorization of Representative:

Randall Kemp

Date:

Dec 07/2020

Office Use Only

Application Number: _____	Ward Number: _____	Application Received: (dd/mm/yyyy): _____
Client Service Centre Staff: _____	Fee Received: \$	<input type="text"/>



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 Infrastructure 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:**

** Mandatory Field*

Applicant/Agent Information:

Name:

Mailing Address:

Telephone: Email Address:

Registered Property Owner Information:

Same as above

Name:

Mailing Address:

Telephone: Email Address:

Site Details

Legal Description
and PIN:

What is the land
currently used for?

Residential

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

OR Lot area: (irregular lot) 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

\$100.00

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, Infrastructure 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 _____ ("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: J. Andrechek

Dated (dd/mm/yyyy): 10/12/2020

Per: Jesse J Andrechek
(Please print name)

Title: Environmental Tech

Company: Paterson Group



DATABASE REPORT

Project Property: *PE4015 - 2380 and 2396 Cleroux Crescent
2380 Cl  roux Crescent
Gloucester ON K1W 1A2*

Project No: *PE4015*

Report Type: *Standard Report*

Order No: *20312700084*

Requested by: *Paterson Group Inc.*

Date Completed: *December 2, 2020*

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

License for use of information in Report: No page of this report can be used without this cover page, this notice and the project property identifier. The information in Report(s) may not be modified or re-sold.

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Executive Summary

Property Information:

Project Property: PE4015 - 2380 and 2396 Cleroux Crescent
2380 Cléroux Crescent Gloucester ON K1W 1A2

Project No: PE4015

Coordinates:

Latitude: 45.4359461
Longitude: -75.5499074
UTM Northing: 5,031,527.40
UTM Easting: 456,988.82
UTM Zone: 18T

Elevation: 262 FT
79.88 M

Order Information:

Order No: 20312700084
Date Requested: November 27, 2020
Requested by: Paterson Group Inc.
Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	5	5
CA	<i>Certificates of Approval</i>	Y	0	1	1
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	2	2
EIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	7	7
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OOGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	0	0
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	Y	0	0	0
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	0	0
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	1	1
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	6	6
Total:			0	22	22

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	BORE		ON	E/41.9	0.00	15
2	WWIS		lot 11 con 3 ON Well ID: 1501472	E/41.9	0.00	16
3	WWIS		lot 11 con 3 ON Well ID: 1501467	NNW/61.0	0.00	19
4	WWIS		lot 11 con 3 ON Well ID: 1501490	WNW/66.3	0.00	21
5	BORE		ON	WNW/66.4	0.00	23
6	WWIS		lot 10 con 3 ON Well ID: 1501464	E/84.2	0.00	25
7	SPL	UNKNOWN	ORIENT PARK & AUTUMN HILL GLOUCESTER CITY ON	SSW/117.0	-0.97	27
8	BORE		ON	SW/120.1	-0.97	27
9	GEN	Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON	NE/126.1	0.00	28
9	GEN	Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON	NE/126.1	0.00	29
9	GEN	Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON K1W 1A1	NE/126.1	0.00	29
9	GEN	Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON K1W 1A1	NE/126.1	0.00	29

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
9	GEN	Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON K1W 1A1	NE/126.1	0.00	30
9	GEN	Ottawa-Carleton District School Board Health & Safety	2401 Cleroux Cr Gloucester ON K1W 1A1	NE/126.1	0.00	30
9	GEN	Ottawa-Carleton District School Board Health & Safety	2401 Cleroux Cr Gloucester ON K1W 1A1	NE/126.1	0.00	31
10	BORE		ON	WNW/151.4	0.00	32
11	CA	GLOUCESTER CITY - INNES ROAD(FIRE STN)	INNES ROAD/CLEROUX ROAD OTTAWA CITY ON	NW/164.6	0.00	33
12	EHS		2919 Innes Road ottawa ON	WNW/186.7	0.00	33
13	EHS		2919 Innes Road Orleans ON K1B 4K5	WNW/201.3	0.00	33
14	BORE		ON	NW/204.7	0.00	34
15	WWIS		lot 10 con 2 ON Well ID: 1501244	N/214.6	1.00	35
16	WWIS		lot 10 con 3 ON Well ID: 1501463	E/224.7	0.00	38

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 5 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	E	41.88	<u>1</u>
	ON	WNW	66.37	<u>5</u>
	ON	WNW	151.40	<u>10</u>
	ON	NW	204.73	<u>14</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	SW	120.14	<u>8</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
GLOUCESTER CITY - INNES ROAD(FIRE STN)	INNES ROAD/CLEROUX ROAD OTTAWA CITY ON	NW	164.60	<u>11</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2020 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	2919 Innes Road ottawa ON	WNW	186.73	<u>12</u>
	2919 Innes Road Orleans ON K1B 4K5	WNW	201.28	<u>13</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2020 has found that there are 7 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON	NE	126.13	<u>9</u>
Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON K1W 1A1	NE	126.13	<u>9</u>
Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON K1W 1A1	NE	126.13	<u>9</u>
Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON	NE	126.13	<u>9</u>
Ottawa-Carleton District School Board Health & Safety	2401 Cleroux Cr Gloucester ON K1W 1A1	NE	126.13	<u>9</u>
Ottawa-Carleton District School Board Health & Safety	2401 Cleroux Cr Gloucester ON K1W 1A1	NE	126.13	<u>9</u>
Ottawa-Carleton District School Board	2401 Cleroux Cr Gloucester ON K1W 1A1	NE	126.13	<u>9</u>

SPL - Ontario Spills

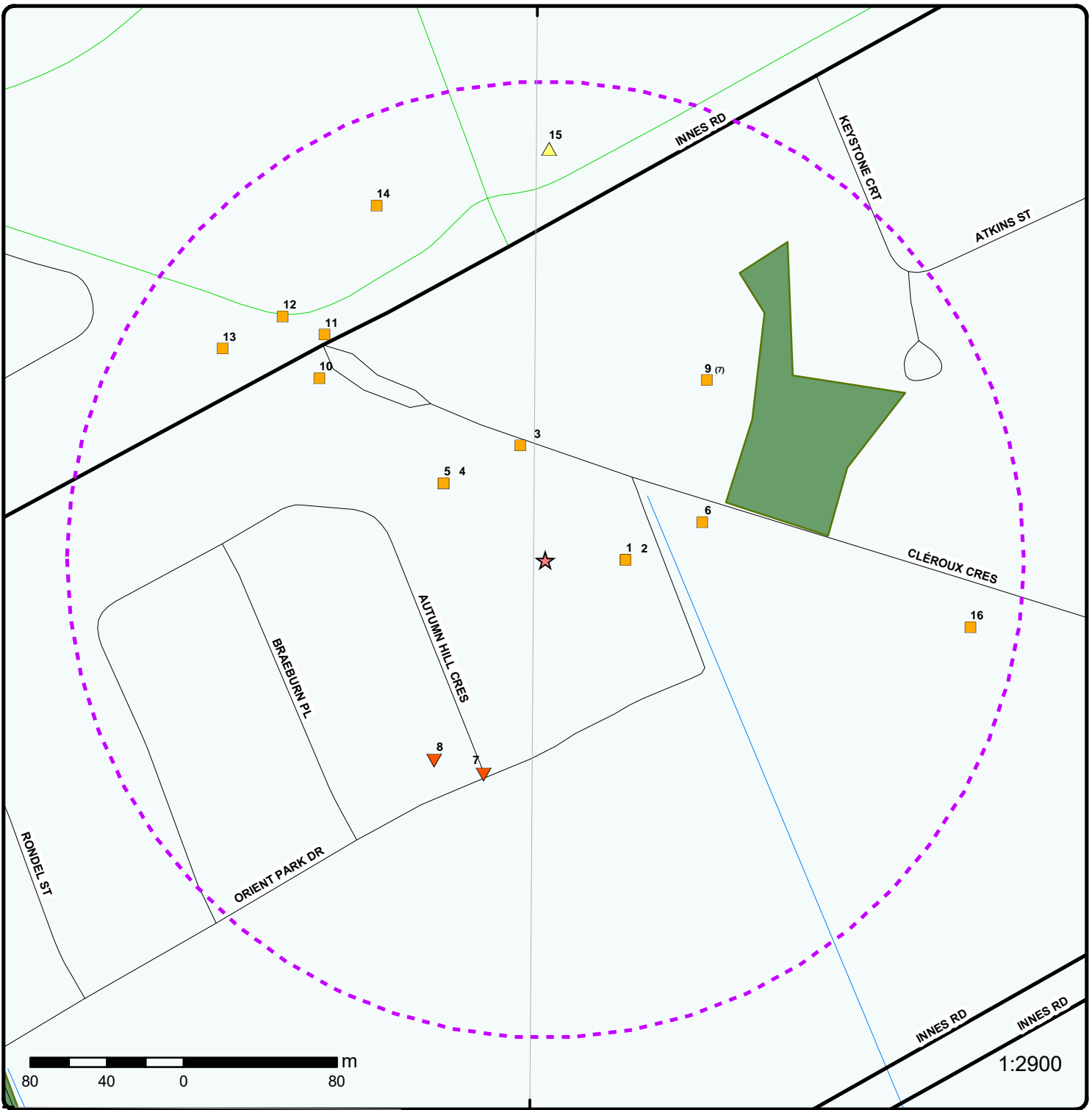
A search of the SPL database, dated 1988-Nov 2019 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
UNKNOWN	ORIENT PARK & AUTUMN HILL GLOUCESTER CITY ON	SSW	116.99	<u>7</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 6 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 11 con 3 ON <i>Well ID:</i> 1501472	E	41.89	<u>2</u>
	lot 11 con 3 ON <i>Well ID:</i> 1501467	NNW	61.03	<u>3</u>
	lot 11 con 3 ON <i>Well ID:</i> 1501490	WNW	66.25	<u>4</u>
	lot 10 con 3 ON <i>Well ID:</i> 1501464	E	84.20	<u>6</u>
	lot 10 con 2 ON <i>Well ID:</i> 1501244	N	214.61	<u>15</u>
	lot 10 con 3 ON <i>Well ID:</i> 1501463	E	224.69	<u>16</u>



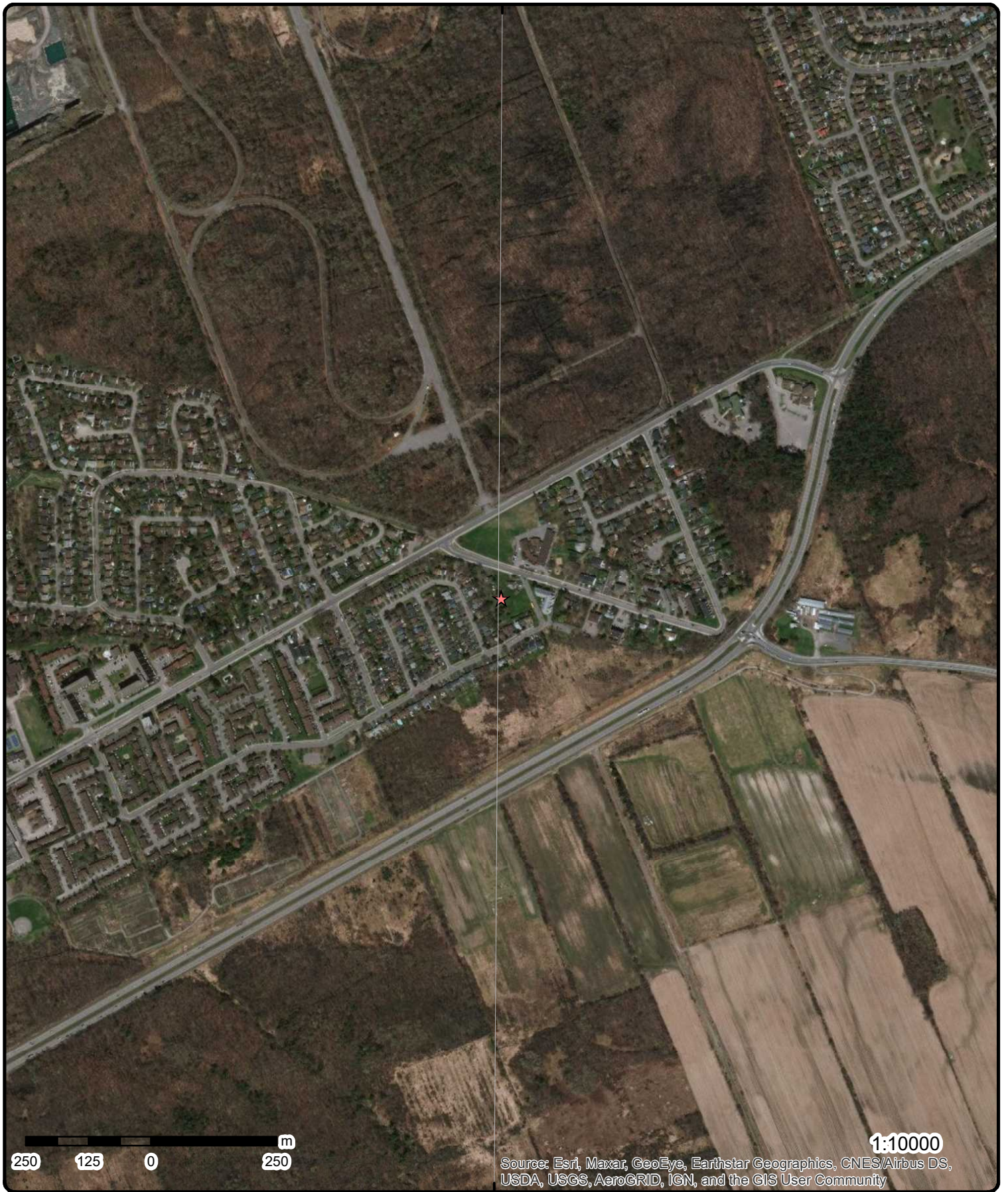
Map : 0.25 Kilometer Radius

Order Number: 20312700084

Address: 2380 Cléroux Crescent, Gloucester, ON



Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range
Eris Sites with Lower Elevation	Local road	Abandoned Line	Park or Sports Field
Eris Sites with Unknown Elevation	Trail	Proposed Road	Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		



Aerial Year: 2015

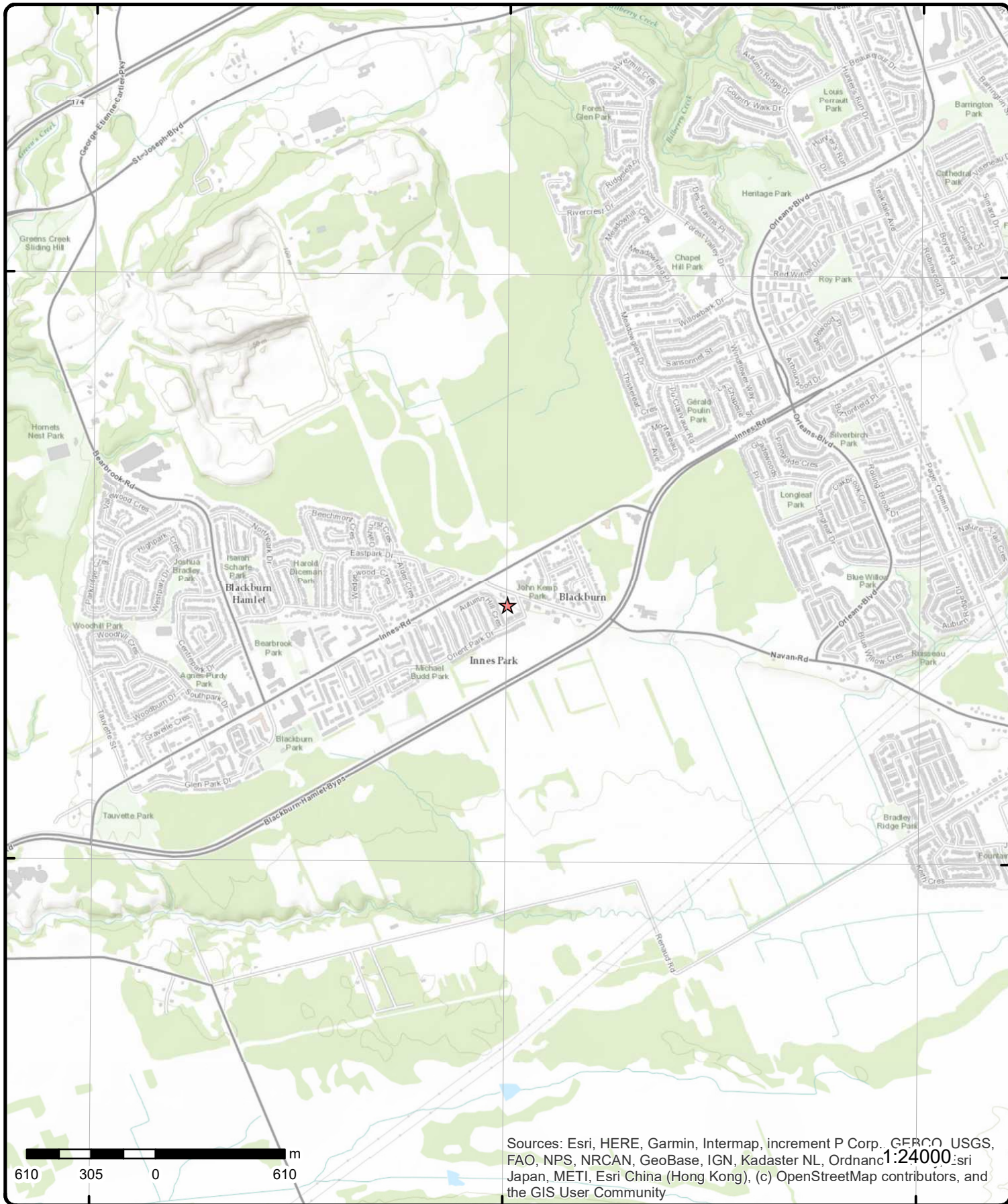
Address: 2380 Cléroux Crescent, Gloucester, ON

Source: ESRI World Imagery

Order Number: 20312700084



© ERIS Information Limited Partnership



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: 2380 Cléroux Crescent, ON

Source: ESRI World Topographic Map

Order Number: 20312700084



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	E/41.9	79.9 / 0.00	ON	BORE
Borehole ID: 615139					
OGF ID: 215516081					
Status:					
Type: Borehole					
Use:					
Completion Date: JUN-1966					
Static Water Level:					
Primary Water Use:					
Sec. Water Use:					
Total Depth m: 28.7					
Depth Ref: Ground Surface					
Depth Elev:					
Drill Method:					
Orig Ground Elev m: 82.3					
Elev Reliabil Note:					
DEM Ground Elev m: 81.1					
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

<p>Geology Stratum ID: 218400579</p> <p>Top Depth: 25.6</p> <p>Bottom Depth: 27.7</p> <p>Material Color:</p> <p>Material 1: Sand</p> <p>Material 2: Boulders</p> <p>Material 3:</p> <p>Material 4:</p> <p>Gsc Material Description:</p> <p>Stratum Description: SAND.</p>	<p>Mat Consistency:</p> <p>Material Moisture:</p> <p>Material Texture:</p> <p>Non Geo Mat Type:</p> <p>Geologic Formation:</p> <p>Geologic Group:</p> <p>Geologic Period:</p> <p>Depositional Gen:</p>
<p>Geology Stratum ID: 218400578</p> <p>Top Depth: 0</p> <p>Bottom Depth: 25.6</p> <p>Material Color:</p> <p>Material 1: Clay</p> <p>Material 2:</p> <p>Material 3:</p> <p>Material 4:</p> <p>Gsc Material Description:</p> <p>Stratum Description: CLAY.</p>	<p>Mat Consistency:</p> <p>Material Moisture:</p> <p>Material Texture:</p> <p>Non Geo Mat Type:</p> <p>Geologic Formation:</p> <p>Geologic Group:</p> <p>Geologic Period:</p> <p>Depositional Gen:</p>
<p>Geology Stratum ID: 218400580</p> <p>Top Depth: 27.7</p> <p>Bottom Depth: 28.7</p> <p>Material Color:</p> <p>Material 1: Shale</p> <p>Material 2:</p> <p>Material 3:</p>	<p>Mat Consistency: Dense</p> <p>Material Moisture:</p> <p>Material Texture: Coarse</p> <p>Non Geo Mat Type:</p> <p>Geologic Formation:</p> <p>Geologic Group:</p> <p>Geologic Period:</p>

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Material 4: **Depositional Gen:**
Gsc Material Description:
Stratum Description: SHALE. 0009200141.0 FEET.NE TO COARSE.DENSE. SILT. DENSE. SAND. DENSE. SAND. D **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence:
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 07647 NTS_Sheet:
Confiden 1:

Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

[2](#) 1 of 1 E/41.9 79.9 / 0.00 lot 11 con 3 ON WWIS

Well ID: 1501472
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/14/1966
Selected Flag: Yes
Abandonment Rec:
Contractor: 1603
Form Version: 1
Owner:
Street Name:
County: OTTAWA
Municipality: GLOUCESTER TOWNSHIP
Site Info:
Lot: 011
Concession: 03
Concession Name: OF
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501472.pdf

Bore Hole Information

Bore Hole ID: 10023515
DP2BR: 91
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/22/1966
Remarks:

Elevation: 81.104614
Elevrc:
Zone: 18
East83: 457030.7
North83: 5031527
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991919			
Layer:		3			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		91			
Formation End Depth:		94			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991918			
Layer:		2			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		84			
Formation End Depth:		91			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991917			
Layer:		1			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		84			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961501472			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction Code:	7				
Method Construction:	Diamond				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10572085				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930039905				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:	94				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930039904				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	91				
Casing Diameter:	4				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	991501472				
Pump Set At:					
Static Level:	51				
Final Level After Pumping:	70				
Recommended Pump Depth:	70				
Pumping Rate:	6				
Flowing Rate:					
Recommended Pump Rate:	6				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	3				
Pumping Duration MIN:	0				
Flowing:	No				
<u>Water Details</u>					
Water ID:	933454180				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	92				
Water Found Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB																																																																																
3	1 of 1	NNW/61.0	79.9 / 0.00	lot 11 con 3 ON	WWIS																																																																																
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<u>Materials Interval</u>																																																																																					
<table border="0"> <tr> <td>Formation ID:</td> <td>930991903</td> </tr> <tr> <td>Layer:</td> <td>2</td> </tr> <tr> <td>Color:</td> <td></td> </tr> <tr> <td>General Color:</td> <td></td> </tr> <tr> <td>Mat1:</td> <td>11</td> </tr> <tr> <td>Most Common Material:</td> <td>GRAVEL</td> </tr> <tr> <td>Mat2:</td> <td></td> </tr> <tr> <td>Mat2 Desc:</td> <td></td> </tr> <tr> <td>Mat3:</td> <td></td> </tr> <tr> <td>Mat3 Desc:</td> <td></td> </tr> <tr> <td>Formation Top Depth:</td> <td>69</td> </tr> <tr> <td>Formation End Depth:</td> <td>80</td> </tr> <tr> <td>Formation End Depth UOM:</td> <td>ft</td> </tr> </table>						Formation ID:	930991903	Layer:	2	Color:		General Color:		Mat1:	11	Most Common Material:	GRAVEL	Mat2:		Mat2 Desc:		Mat3:		Mat3 Desc:		Formation Top Depth:	69	Formation End Depth:	80	Formation End Depth UOM:	ft																																																						
Formation ID:	930991903																																																																																				
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Formation Top Depth:	69																																																																																				
Formation End Depth:	80																																																																																				
Formation End Depth UOM:	ft																																																																																				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930991904			
Layer:		3			
Color:					
General Color:					
Mat1:		17			
Most Common Material:		SHALE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		80			
Formation End Depth:		165			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930991902			
Layer:		1			
Color:		7			
General Color:		RED			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		69			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961501467			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572080			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039895			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		80			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Casing ID: 930039896
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 165
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991501467
Pump Set At:
Static Level: 49
Final Level After Pumping: 49
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933454175
Layer: 1
Kind Code: 4
Kind: MINERIAL
Water Found Depth: 78
Water Found Depth UOM: ft

<u>4</u>	1 of 1	WNW/66.3	79.9 / 0.00	lot 11 con 3 ON	WWIS
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Well ID: 1501490 Construction Date: Primary Water Use: Public Sec. Water Use: 0 Final Well Status: Water Supply Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	Data Entry Status: Data Src: 1 Date Received: 5/28/1957 Selected Flag: Yes Abandonment Rec: Contractor: 1301 Form Version: 1 Owner: Street Name: County: OTTAWA Municipality: GLOUCESTER TOWNSHIP Site Info: Lot: 011 Concession: 03 Concession Name: OF Easting NAD83: Northing NAD83: Zone: UTM Reliability:
--	---

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501490.pdf			

Bore Hole Information

Bore Hole ID:	10023533	Elevation:	80.990348
DP2BR:	108	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	456935.7
Code OB Desc:	Bedrock	North83:	5031567
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	1/22/1957	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930991972
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	108
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	930991973
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	108
Formation End Depth:	480
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID:	961501490
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		10572103			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039938			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		480			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930039937			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		108			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991501490			
Pump Set At:					
Static Level:		55			
Final Level After Pumping:		480			
Recommended Pump Depth:					
Pumping Rate:		1			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933454200			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		108			
Water Found Depth UOM:		ft			
<u>5</u>	1 of 1	WNW/66.4	79.9 / 0.00	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Borehole ID:	615140			Inclin FLG:	No
OGF ID:	215516082			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JAN-1957			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.436301
Total Depth m:	146			Longitude DD:	-75.55059
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	456936
Drill Method:				Northing:	5031567
Orig Ground Elev m:	80.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	81				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218400582			Mat Consistency:	Dense
Top Depth:	32.9			Material Moisture:	
Bottom Depth:	146			Material Texture:	Coarse
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LIMESTONE. BROWN. 00108.0 FEET.NE TO COARSE.DENSE. SILT. DENSE. SAND. DENSE. SAND.				

Geology Stratum ID:	218400581			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	32.9			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. BROWN.				

Source

Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 07648 NTS_Sheet:				
Confiden 1:					

Source List

Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Originators:		Geological Survey of Canada			

6	1 of 1	E/84.2	79.9 / 0.00	lot 10 con 3 ON	WWIS
Well ID:	1501464			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	4/1/1952
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3725
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	010
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	OF
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501464.pdf

Bore Hole Information

Bore Hole ID:	10023507	Elevation:	82.455039
DP2BR:	100	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	457070.7
Code OB Desc:	Bedrock	North83:	5031547
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	10/20/1951	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	930991895
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	19
Most Common Material:	SLATE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	155
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		930991894			
Layer:		1			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961501464			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572077			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039889			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		100			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930039890			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		155			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991501464			
Pump Set At:					
Static Level:		65			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate: Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing: No					
<u>Water Details</u>					
Water ID: 933454172 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 145 Water Found Depth UOM: ft					

<u>7</u>	1 of 1	SSW/117.0	78.9 / -0.97	UNKNOWN ORIENT PARK & AUTUMN HILL GLOUCESTER CITY ON	SPL
Ref No: 15103 Site No: Incident Dt: 2/23/1989 Year: Incident Cause: OTHER CAUSE (N.O.S.) Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: LAND Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 2/23/1989 Dt Document Closed: Incident Reason: OTHER Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: GLOUCESTER TWP - CLEANING-UP RED OIL FROM UNKNOWN SOURCE Contaminant Qty:					
Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20105 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:					

<u>8</u>	1 of 1	SW/120.1	78.9 / -0.97	ON	BORE
Borehole ID: 615133 OGF ID: 215516075 Status: Type: Borehole Use: Completion Date:					
Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: -999 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 76.2 Elev Reliabil Note: DEM Ground Elev m: 75.2 Concession: Location D: Survey D: Comments:		Lot: Township: Latitude DD: 45.434996 Longitude DD: -75.550641 UTM Zone: 18 Easting: 456931 Northing: 5031422 Location Accuracy: Accuracy: Not Applicable			
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: 218400565 Top Depth: 19.6 Bottom Depth: Material Color: Material 1: Bedrock Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: BEDROCK. SAND-FINE. DENSE. SAND-FINE TO COARSE.DENSE. SILT. DENSE. SAND. DENSE. SAND.		Mat Consistency: Dense Material Moisture: Material Texture: Coarse Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:			
Geology Stratum ID: 218400564 Top Depth: 0 Bottom Depth: 19.6 Material Color: Material 1: Unknown Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: UNSPECIFIED.		Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:			
<u>Source</u>					
Source Type: Data Survey Source Orig: Geological Survey of Canada Source Date: 1956-1972 Confidence: M Observatio: Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA2.txt RecordID: 076410 NTS_Sheet: 31G05H Confiden 1: Reliable information but incomplete.		Source Appl: Spatial/Tabular Source Iden: 1 Scale or Res: Varies Horizontal: NAD27 Verticalda: Mean Average Sea Level			
<u>Source List</u>					
Source Identifier: 1 Source Type: Data Survey Source Date: 1956-1972 Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS) Source Originators: Geological Survey of Canada		Horizontal Datum: NAD27 Vertical Datum: Mean Average Sea Level Projection Name: Universal Transverse Mercator			
9	1 of 7	NE/126.1	79.9 / 0.00	Ottawa-Carleton District School Board 2401 Cleroux Cr Gloucester ON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No: ON9204302 Status: Approval Years: 2012 Contam. Facility: MHSW Facility: SIC Code: 611110 SIC Description: Elementary and Secondary Schools PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
9	2 of 7	NE/126.1	79.9 / 0.00	Ottawa-Carleton District School Board 2401 Cleroux Cr Gloucester ON	GEN
Generator No: ON9204302 Status: Approval Years: 2013 Contam. Facility: MHSW Facility: SIC Code: 611110 SIC Description: ELEMENTARY AND SECONDARY SCHOOLS PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
Detail(s)					
Waste Class: 145					
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES					
Waste Class: 331					
Waste Class Desc: WASTE COMPRESSED GASES					
9	3 of 7	NE/126.1	79.9 / 0.00	Ottawa-Carleton District School Board 2401 Cleroux Cr Gloucester ON K1W 1A1	GEN
Generator No: ON9204302 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 611110 SIC Description: ELEMENTARY AND SECONDARY SCHOOLS PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL Co Admin: Greg Benson Phone No Admin: 613-596-8211 Ext.8549					
Detail(s)					
Waste Class: 122					
Waste Class Desc: ALKALINE WASTES - OTHER METALS					
Waste Class: 145					
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES					
Waste Class: 148					
Waste Class Desc: INORGANIC LABORATORY CHEMICALS					
Waste Class: 331					
Waste Class Desc: WASTE COMPRESSED GASES					
9	4 of 7	NE/126.1	79.9 / 0.00	Ottawa-Carleton District School Board 2401 Cleroux Cr Gloucester ON K1W 1A1	GEN
Generator No: ON9204302 Status: Approval Years: 2016 PO Box No: Country: Canada Choice of Contact: CO_OFFICIAL					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	No No 611110			Co Admin: Phone No Admin: Greg Benson 613-596-8211 Ext.8549	
		ELEMENTARY AND SECONDARY SCHOOLS			
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Class: Waste Class Desc:		331 WASTE COMPRESSED GASES			
Waste Class: Waste Class Desc:		122 ALKALINE WASTES - OTHER METALS			
Waste Class: Waste Class Desc:		148 INORGANIC LABORATORY CHEMICALS			
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			

<u>9</u>	5 of 7	NE/126.1	79.9 / 0.00	Ottawa-Carleton District School Board 2401 Cleroux Cr Gloucester ON K1W 1A1	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON9204302 No 2014 No No 611110			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: Canada CO_OFFICIAL Greg Benson 613-596-8211 Ext.8549	
		ELEMENTARY AND SECONDARY SCHOOLS			
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Class: Waste Class Desc:		122 ALKALINE WASTES - OTHER METALS			
Waste Class: Waste Class Desc:		331 WASTE COMPRESSED GASES			
Waste Class: Waste Class Desc:		148 INORGANIC LABORATORY CHEMICALS			

<u>9</u>	6 of 7	NE/126.1	79.9 / 0.00	Ottawa-Carleton District School Board Health & Safety 2401 Cleroux Cr Gloucester ON K1W 1A1	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON9204302 Registered As of Dec 2018			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin: Canada	
<u>Detail(s)</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		148 A			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 B			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 R			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		212 B			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		263 B			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			

[9](#) 7 of 7 **NE/126.1** **79.9 / 0.00** **Ottawa-Carleton District School Board Health & Safety** **GEN**
2401 Cleroux Cr
Gloucester ON K1W 1A1

Generator No:	ON9204302	PO Box No:	
Status:	Registered	Country:	Canada
Approval Years:	As of Jul 2020	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	331 I
Waste Class Desc:	Waste compressed gases including cylinders
Waste Class:	148 B
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	212 B
Waste Class Desc:	Aliphatic solvents and residues
Waste Class:	148 A
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	145 I
Waste Class Desc:	Wastes from the use of pigments, coatings and paints
Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	263 B
Waste Class Desc:	Misc. waste organic chemicals

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148 R			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 C			
Waste Class Desc:		Misc. wastes and inorganic chemicals			

<u>10</u>	1 of 1	WNW/151.4	79.9 / 0.00	ON	BORE
Borehole ID:	615142			Inclin FLG:	No
OGF ID:	215516084			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.436792
Total Depth m:	7.6			Longitude DD:	-75.551425
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	456871
Drill Method:				Northing:	5031622
Orig Ground Elev m:	82.6			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	82.4				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218400586			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Organic			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	organic
Gsc Material Description:					
Stratum Description:	ORGANIC. BROWN.				
Geology Stratum ID:	218400588			Mat Consistency:	Dense
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	7.6			Material Texture:	Coarse
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. GREY,FIRM,STIFF. 00005 045 0012002507006800005015DED. SAND-FINE TO COARSE.DENSE. S				
	**Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218400587			Mat Consistency:	Stiff
Top Depth:	.2			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stratum Description:		CLAY. GREY,BROWN,VERY STIFF, WEATHERED.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 076500 NTS_Sheet: 31G05H				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
11	1 of 1	NW/164.6	79.9 / 0.00	GLOUCESTER CITY - INNES ROAD(FIRE STN) INNES ROAD/CLEROUX ROAD OTTAWA CITY ON	CA
Certificate #:	3-1920-90-				
Application Year:	90				
Issue Date:	10/16/1990				
Approval Type:	Municipal sewage				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
12	1 of 1	WNW/186.7	79.9 / 0.00	2919 Innes Road ottawa ON	EHS
Order No:	20070816015			Nearest Intersection:	Innes & Cleroux Cres.
Status:	C			Municipality:	
Report Type:	CAN - Complete Report			Client Prov/State:	
Report Date:	8/27/2007			Search Radius (km):	0.25
Date Received:	8/16/2007			X:	-75.551671
Previous Site Name:				Y:	45.437079
Lot/Building Size:					
Additional Info Ordered:					
13	1 of 1	WNW/201.3	79.9 / 0.00	2919 Innes Road Orleans ON K1B 4K5	EHS
Order No:	20121005035			Nearest Intersection:	
Status:	C			Municipality:	Ottawa-Carleton
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	17-OCT-12			Search Radius (km):	.25
Date Received:	05-OCT-12			X:	-75.552071

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Previous Site Name:				Y:	45.436927
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans			

<u>14</u>	1 of 1	NW/204.7	79.9 / 0.00	ON	BORE
Borehole ID:	615145			Inclin FLG:	No
OGF ID:	215516087			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:	6.1			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.437604
Total Depth m:	-999			Longitude DD:	-75.55105
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	456901
Drill Method:				Northing:	5031712
Orig Ground Elev m:	83.8			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	84.1				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218400596			Mat Consistency:	
Top Depth:	6.4			Material Moisture:	
Bottom Depth:	7.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Boulders			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BOULDERS. WATER STABLE AT 255.0 FEET.				
Geology Stratum ID:	218400597			Mat Consistency:	Firm
Top Depth:	7.3			Material Moisture:	
Bottom Depth:				Material Texture:	Fine
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Limestone			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BEDROCK. LAY. GREY,FIRM,STIFF. 00005 045 0012002507006800005015DED. SAND-FINE TO COAR **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218400595			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	6.4			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				

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

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Ident:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	M	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 076530 NTS_Sheet: 31G05H		
Confiden 1:	Reliable information but incomplete.		

Source List

Source Identifier:	1	Horizontal Datum:	NAD27
Source Type:	Data Survey	Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972	Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

15	1 of 1	N/214.6	80.9 / 1.00	lot 10 con 2 ON	WWIS
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Well ID:	1501244	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:		Date Received:	1/22/1960
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Abandoned-Supply	Abandonment Rec:	
Water Type:		Contractor:	1802
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	010
Well Depth:		Concession:	02
Overburden/Bedrock:		Concession Name:	OF
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501244.pdf

Bore Hole Information

Bore Hole ID:	10023287	Elevation:	83.213722
DP2BR:	206	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	456990.7
Code OB Desc:	Bedrock	North83:	5031742
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	11/9/1959	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			930991327		
Layer:			2		
Color:					
General Color:					
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			27		
Formation End Depth:			122		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			930991326		
Layer:			1		
Color:					
General Color:					
Mat1:			09		
Most Common Material:			MEDIUM SAND		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0		
Formation End Depth:			27		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			930991328		
Layer:			3		
Color:					
General Color:					
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			122		
Formation End Depth:			123		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			930991330		
Layer:			5		
Color:					
General Color:					
Mat1:			11		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		190			
Formation End Depth:		206			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991329			
Layer:		4			
Color:					
General Color:					
Mat1:		06			
Most Common Material:		SILT			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		123			
Formation End Depth:		190			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991331			
Layer:		6			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		206			
Formation End Depth:		207			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961501244			
Method Construction Code:		7			
Method Construction:		Diamond			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10571857			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039466			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

16	1 of 1	E/224.7	79.9 / 0.00	lot 10 con 3 ON	WWIS
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Well ID:	1501463	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	4/1/1952
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3725
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	GLOUCESTER TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	010
Well Depth:		Concession:	03
Overburden/Bedrock:		Concession Name:	OF
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1501463.pdf

Bore Hole Information

Bore Hole ID:	10023506	Elevation:	81.208755
DP2BR:	100	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	457210.7
Code OB Desc:	Bedrock	North83:	5031492
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	9/15/1951	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	930991893
Layer:	4
Color:	
General Color:	
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:					
Mat3 Desc:					
Formation Top Depth:		100			
Formation End Depth:		173			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991891			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		18			
Formation End Depth:		93			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991890			
Layer:		1			
Color:		7			
General Color:		RED			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		930991892			
Layer:		3			
Color:					
General Color:					
Mat1:		14			
Most Common Material:		HARDPAN			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		93			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		961501463			
Method Construction Code:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10572076			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930039887			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		118			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930039888			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		173			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991501463			
Pump Set At:					
Static Level:		65			
Final Level After Pumping:		69			
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
<u>Water Details</u>					
Water ID:		933454171			
Layer:		2			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		160			
Water Found Depth UOM:		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Water Details

Water ID: 933454170
Layer: 1
Kind Code: 3
Kind: SULPHUR
Water Found Depth: 93
Water Found Depth UOM: ft

Unplottable Summary

Total: **46** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	THE DOUGLAS MACDONALD DEVELOP.CORP.	INNES RD.	GLOUCESTER CITY ON	
CA	KLAUS MORITZ	INNES RD.	GLOUCESTER CITY ON	
CA	REG. MUN. OF OTTAWA-CARLETON	INNES RD.	GLOUCESTER CITY ON	
CA	KLAUS MORITZ	INNES RD.	GLOUCESTER CITY ON	
CA	THE DOUGLAS MACDONALD DEVELOP.CORP.	INNES RD.	GLOUCESTER CITY ON	
CA	DOMICILE DEVELOPMENTS INC. IN TRUST	PRIVATE STREET #1/INNES ROAD	GLOUCESTER CITY ON	
CA	R.M. OF OTTAWA-CARLETON,	INNES RD. TRANSPORTATION DEPT.	GLOUCESTER CITY ON	
CA	ELOKEM ENT./652628 ONTARIO LTD.	ORIENT PARK DR.	GLOUCESTER CITY ON	
CA	LIFE CENTRE - STORMWATER MANAGEMENT FAC.	INNES ROAD/MUD CREEK	GLOUCESTER CITY ON	
CA	LIFE CENTRE - LIFE CENTRE CHURCH	INNES ROAD	GLOUCESTER CITY ON	
CA	DOMICILE DEVELOPMENTS INC. IN TRUST	PRIVATE STREET INNES ROAD	GLOUCESTER CITY ON	
CA	R.M. OF OTTAWA-CARLETON	INNES RD. NORTH SIDE	GLOUCESTER CITY ON	
CA	R.M. OF OTTAWA-CARLETON	INNES ROAD	GLOUCESTER CITY ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant	Part of Lot 11, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 6, 7 & 8	Lot 10, Concession 3	Ottawa ON	
CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	

CA	Morgan's Grant Subdivision Phase 9	Lot 10, Concession 3	Ottawa ON	
CA		Lot 10, Lot 11, Conc. 2, Stonebridge Subd.	Ottawa ON	
CA	Stonebridge Subdivision	Part of Lot 10, Concession 2	Ottawa ON	
CA		Lot 10 and 11, Concession 2	Ottawa ON	
CA		Lot 10, Lot 11, Conc. 2, Stonebridge Subd.	Ottawa ON	
CA	Stonebridge Subdivision	Part of Lot 10, Concession 2	Ottawa ON	
CA	Monarch Corporation	Lot 10, Conc. 2 (Rideau Front)	Ottawa ON	
CA	Monarch Construction Limited	Part of Lot 10, Concession 2	Ottawa ON	
CA	Monarch Corporation	Lot 11, Conc. 2 (Rideau Front)	Ottawa ON	
CA	City of Ottawa	Lots 10-11, Concession 2, Twp of Nepean	Ottawa ON	
CA	954194 Ontario Inc.	Cleroux Street	Ottawa ON	
CA	R. M. OF OTTAWA-CARLETON	INNES RD. SEWAGE PUMPING STAT.	GLOUCESTER CITY ON	
CA	ELOKEN ENT./652628 ONTARIO LTD.	ORIENT PARK DR.	GLOUCESTER CITY ON	
ECA	City of Ottawa	Lot 10, Concession 2	Ottawa ON	K1P 1J1
ECA	Mattamy (Half Moon Bay) Limited	Part of Lot 11 and 12, Concession 3 (Rideau Front)	Ottawa ON	K2K 2M5
ECA	954194 Ontario Inc.	Cleroux Street	Ottawa ON	K1G 3N4
GEN	E.B. EDDY FOREST PRODUCTS LTD.	LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/0 1335 CARLING AVE.	OTTAWA ON	K1Z 8N8
GEN	E.B. EDDY FOREST PRODUCTS LTD. 14-802	LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/0 1335 CARLING AVE.	OTTAWA ON	K1Z 8N8
GEN	CITY OF OTTAWA	LOT 10, CONSESSION 2	OTTAWA ON	K1P 1J1
GEN	Glenview Homes (Innes) Ltd	0 Innes Road	Ottawa ON	K1C 1T1
LIMO		Lot 10 Concession 3 Ottawa	ON	
LIMO	March	Lot 10 Concession 2 Ottawa	ON	
LIMO	Pierces Corners Landfill The Corporation of the Township of Rideau City of	Ottawa Part of Lot 11, Concession 3 Ottawa	ON	

NCPL	City of Ottawa - Stonebridge Stormwater	Lot 11, Conc 2 Rideau Front	Ottawa ON
PTTW	Mattamy (Half Moon Bay) Limited	Lot 11, 12, Concession 3, Ottawa, City OF OTTAWA	ON
PTTW	Ducks Unlimited Canada	Lots 11 & 12, Concession 3, geographical Township of Rideau CITY OF OTTAWA	ON
SPL	UNKNOWN	GREEN CREEK @ INNES RD.	GLOUCESTER CITY ON
SPL	Purolator Courier	Eastbound Lanes just east of Innes Rd	Ottawa ON
SPL	Unknown<UNOFFICIAL>	Innes Rd Eastbound at Blair	Ottawa ON

Unplottable Report

Site: THE DOUGLAS MACDONALD DEVELOP.CORP.
INNES RD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-1487-85-006
Application Year: 85
Issue Date: 12/23/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KLAUS MORITZ
INNES RD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0394-85-006
Application Year: 85
Issue Date: 5/30/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: REG. MUN. OF OTTAWA-CARLETON
INNES RD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0153-85-006
Application Year: 85
Issue Date: 3/21/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: KLAUS MORITZ
INNES RD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0583-85-006
Application Year: 85

Issue Date: 6/7/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: THE DOUGLAS MACDONALD DEVELOP.CORP.
INNES RD. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-1125-85-006
Application Year: 85
Issue Date: 12/23/85
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: DOMICILE DEVELOPMENTS INC. IN TRUST
PRIVATE STREET #1/INNES ROAD GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0032-90-
Application Year: 90
Issue Date: 2/1/1990
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON,
INNES RD. TRANSPORTATION DEPT. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0814-88-
Application Year: 88
Issue Date: 6/28/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ELOKEM ENT./652628 ONTARIO LTD.
ORIENT PARK DR. GLOUCESTER CITY ON

Database:
CA

Certificate #: 7-0703-86-
Application Year: 86
Issue Date: 7/16/1986
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: LIFE CENTRE - STORMWATER MANAGEMENT FAC.
INNES ROAD/MUD CREEK GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0803-91-
Application Year: 91
Issue Date: 9/25/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: LIFE CENTRE - LIFE CENTRE CHURCH
INNES ROAD GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0926-91-
Application Year: 91
Issue Date: 7/3/1991
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: DOMICILE DEVELOPMENTS INC. IN TRUST
PRIVATE STREET INNES ROAD GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0047-90-
Application Year: 90
Issue Date: 2/16/1990
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:

Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON
INNES RD. NORTH SIDE GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-2060-88-
Application Year: 88
Issue Date: 10/30/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R.M. OF OTTAWA-CARLETON
INNES ROAD GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0734-88-
Application Year: 88
Issue Date: 5/13/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Morgan's Grant Subdivision Phase 6, 7 & 8
Lot 10, Concession 3 Ottawa ON

Database:
CA

Certificate #: 8414-53CPMC
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Construction of Watermains for Residential Development in Morgan's Grant Subdivision Phase 6, 7 & 8.
Contaminants:
Emission Control:

Site: Morgan's Grant
Part of Lot 11, Concession 3 Ottawa ON

Database:
CA

Certificate #: 8692-54QSUG
Application Year: 01
Issue Date: 12/21/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval

Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Stormwater management facility providing water quantity and quality control.
Contaminants:
Emission Control:

Site: *Morgan's Grant Subdivision Phase 6, 7 & 8
Lot 10, Concession 3 Ottawa ON*

Database:
CA

Certificate #: 8761-53CPYZ
Application Year: 01
Issue Date: 10/11/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Construction of Storm and Sanitary Sewers for Residential Development Morgan's Grant Subdivision Phase 6, 7, & 8
Contaminants:
Emission Control:

Site: *Morgan's Grant Subdivision Phase 9
Lot 10, Concession 3 Ottawa ON*

Database:
CA

Certificate #: 0828-4UMQX6
Application Year: 01
Issue Date: 3/10/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Installation of storm and sanitary sewers in Morgan's Grant Subdivision Phase 9, on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants:
Emission Control:

Site: *Morgan's Grant Subdivision Phase 9
Lot 10, Concession 3 Ottawa ON*

Database:
CA

Certificate #: 1411-4UMSZM
Application Year: 01
Issue Date: 3/10/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Minto Developments Inc.
Client Address: 427 Laurier Avenue West, Suite 300
Client City: Ottawa
Client Postal Code: K1R 7Y2
Project Description: Installation of watermains on Klondike Road, Piekoff Crescent, Wallsend Avenue and Rayburn Street.
Contaminants:
Emission Control:

Site: *Lot 10, Lot 11, Conc. 2, Stonebridge Subd. Ottawa ON*

Database:
CA

Certificate #: 4838-4WDRDT
Application Year: 01
Issue Date: 5/4/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Installation of storm and sanitary sewers to serve Stonebridge Phase 3
Contaminants:
Emission Control:

Site: *Stonebridge Subdivision
Part of Lot 10, Concession 2 Ottawa ON*

Database:
CA

Certificate #: 9685-522N2M
Application Year: 01
Issue Date: 9/5/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Construction of storm and sanitary sewers on Golflinks Drive, Oakbar Crescent and Street 1.
Contaminants:
Emission Control:

Site: *Lot 10 and 11, Concession 2 Ottawa ON*

Database:
CA

Certificate #: 2621-4WHPVP
Application Year: 01
Issue Date: 5/14/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Watermain Construction
Contaminants:
Emission Control:

Site: *Lot 10, Lot 11, Conc. 2, Stonebridge Subd. Ottawa ON*

Database:
CA

Certificate #: 2176-4WDR8J
Application Year: 01
Issue Date: 5/4/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Installation of a watermain re: Stonebridge Phase 3
Contaminants:
Emission Control:

Site: Stonebridge Subdivision
Part of Lot 10, Concession 2 Ottawa ON

Database:
CA

Certificate #: 6503-522MPV
Application Year: 01
Issue Date: 9/5/01
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Construction of atermain on Golflinks Drive, Oakbriar Crescent and Street 1.
Contaminants:
Emission Control:

Site: Monarch Corporation
Lot 10, Conc. 2 (Rideau Front) Ottawa ON

Database:
CA

Certificate #: 1960-8ANFWL
Application Year: 2010
Issue Date: 10/29/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Monarch Construction Limited
Part of Lot 10, Concession 2 Ottawa ON

Database:
CA

Certificate #: 3027-5EYJGF
Application Year: 2002
Issue Date: 10/18/2002
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Monarch Corporation
Lot 11, Conc. 2 (Rideau Front) Ottawa ON

Database:
CA

Certificate #: 3682-8AKV3H
Application Year: 2010
Issue Date: 11/9/2010
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:

Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *City of Ottawa*
Lots 10-11, Concession 2, Twp of Nepean Ottawa ON

Database:
CA

Certificate #: 3807-63BQWR
Application Year: 2004
Issue Date: 7/29/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *954194 Ontario Inc.*
Cleroux Street Ottawa ON

Database:
CA

Certificate #: 7006-66KRVP
Application Year: 2004
Issue Date: 11/15/2004
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *R. M. OF OTTAWA-CARLETON*
INNES RD. SEWAGE PUMPING STAT. GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0358-86-
Application Year: 86
Issue Date: 8/22/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *ELOKEN ENT./652628 ONTARIO LTD.*
ORIENT PARK DR. GLOUCESTER CITY ON

Database:
CA

Certificate #: 3-0879-86-
Application Year: 86
Issue Date: 7/16/1986
Approval Type: Municipal sewage

Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *City of Ottawa*
Lot 10, Concession 2 Ottawa ON K1P 1J1

Database:
ECA

Approval No: 5280-96KNG8
Approval Date: 2013-04-30
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Lot 10, Concession 2
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0810-8ZFJSZ-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *Mattamy (Half Moon Bay) Limited*
Part of Lot 11 and 12, Concession 3 (Rideau Front) Ottawa ON K2K 2M5

Database:
ECA

Approval No: 8294-AWMJGE
Approval Date: 2018-03-09
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Part of Lot 11 and 12, Concession 3 (Rideau Front)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0576-AW2MCL-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *954194 Ontario Inc.*
Cleroux Street Ottawa ON K1G 3N4

Database:
ECA

Approval No: 7006-66KRVP
Approval Date: 2004-11-15
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Address: Cleroux Street
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9113-66JT6L-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *E.B. EDDY FOREST PRODUCTS LTD.*
LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/O 1335 CARLING AVE. OTTAWA ON K1Z 8N8

Database:
GEN

Generator No: ON0009805
Status:
Approval Years: 90
Contam. Facility:
MHSW Facility:

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

SIC Code: 2599
SIC Description: OTHER WOOD IND.

Detail(s)

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

Site: E.B. EDDY FOREST PRODUCTS LTD. 14-802
LOT 10, CONC. 3, CAMP 12 F.OP SITE IVY TWP., C/O 1335 CARLING AVE. OTTAWA ON K1Z 8N8

Database:
GEN

Generator No: ON0009805
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 2599
SIC Description: OTHER WOOD IND.

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

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

Site: CITY OF OTTAWA
LOT 10, CONSESSION 2 OTTAWA ON K1P 1J1

Database:
GEN

Generator No: ON3823377
Status:
Approval Years: 07,08
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No:
Country:
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 251
Waste Class Desc: OIL SKIMMINGS & SLUDGES

Site: Glenview Homes (Innes) Ltd
0 Innes Road Ottawa ON K1C 1T1

Database:
GEN

Generator No: ON5672370
Status: Registered
Approval Years: As of Oct 2019
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

PO Box No:
Country: Canada
Choice of Contact:
Co Admin:
Phone No Admin:

Detail(s)

Waste Class: 221 L
Waste Class Desc: Light fuels

Site: Lot 10 Concession 3 Ottawa ON

Database:
LIMO

ECA/Instrument No: X9015
Oper Status 2016: Historic
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:

Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type: Historic and Closed Landfills
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:
Site Location Details: Lot 10 Concession 3
Ottawa
Service Area:
Page URL:

Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Apprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: **March**
Lot 10 Concession 2 Ottawa ON

Database:
LIMO

ECA/Instrument No: X9010
Oper Status 2016: Historic
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type: Historic and Closed Landfills
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name: March
ERC Methodology:
Site Name:
Site Location Details: Lot 10 Concession 2
Ottawa
Service Area:
Page URL:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Apprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: **Pierces Corners Landfill The Corporation of the Township of Rideau City of**

Database:

ECA/Instrument No: A461201
Oper Status 2016: Closed
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name: Pierces Corners Landfill
 The Corporation of the Township of Rideau
 City of Ottawa
Site Location Details:
Service Area:
Page URL:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: *City of Ottawa - Stonebridge Stormwater*
 Lot 11, Conc 2 Rideau Front Ottawa ON

Database:
 NCPL

Year: 2008
Site Name:
Facility Owner:
Discharge Type: Industrial Sewage
Sector: Miscellaneous Industrial
District Area: Ottawa
Type of Concern: CofA/Permit Non-Compliance
Contaminant: ESCHERICHIA COLI
Status Report:

Details

Incident Date: 5/15/2008
Exceedance Start Date: 5/15/2008
Exceedance End Date: 8/25/2008
Limit/Unit/Freq: 100 per 100 mL
Quantity Min/Max: 184/800
Facility Action: Conducting Study
Ministry Action: Other Abatement Action Taken

Site: *Mattamy (Half Moon Bay) Limited*
 Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA ON

Database:
 PTTW

EBR Registry No: 010-5959
Ministry Ref No: 8783-7PCUC4
Notice Type: Instrument Decision
Notice Stage:
Decision Posted:
Exception Posted:
Section:
Act 1:

Notice Date: June 26, 2009
Proposal Date: February 20, 2009
Year: 2009
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Mattamy (Half Moon Bay) Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 123 Huntmar Drive, Ottawa Ontario, Canada K2S 1B9
Comment Period:
URL:

Act 2:
Site Location Map:

Site Location Details:

Lot 11, 12, Concession 3, Ottawa, City CITY OF OTTAWA

Site: **Ducks Unlimited Canada**
Lots 11 & 12, Concession 3, geographical Township of Rideau CITY OF OTTAWA ON

Database:
PTTW

EBR Registry No: IA05E0727
Ministry Ref No: ER-8347-4118
Notice Type: Instrument Decision
Notice Stage:
Notice Date: July 12, 2005
Proposal Date: May 06, 2005
Year: 2005
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Ducks Unlimited Canada
Site Address:
Location Other:
Proponent Name:
Proponent Address: Kingston Division, 1-614 Norris Court, Kingston Ontario, Canada K7P 2R9
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Lots 11 & 12, Concession 3, geographical Township of Rideau CITY OF OTTAWA

Site: **UNKNOWN**
GREEN CREEK @ INNES RD. GLOUCESTER CITY ON

Database:
SPL

Ref No: 133852
Site No:
Incident Dt: 11/4/1996
Year:
Incident Cause: UNKNOWN
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Water course or lake
Receiving Medium: WATER
Receiving Env:
MOE Response:
Dt MOE Arvl on Scrn:
MOE Reported Dt: 11/4/1996
Dt Document Closed:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20105
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:

Incident Reason: UNKNOWN **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: UNKNOWN SOURCE OF UNK QUANTITY OF UNK OIL IN CREEK
Contaminant Qty:

Site: **Purolator Courier**
Eastbound Lanes just east of Innes Rd Ottawa ON

Database:
SPL

Ref No: 3071-98NH3R **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 14-JUN-13 **Health/Env Conseq:**
Year: **Client Type:** Truck - Transport/Hauling
Incident Cause: Collision/Accident **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: 13 **Nearest Watercourse:**
Contaminant Name: DIESEL FUEL **Site Address:** Eastbound Lanes just east of Innes Rd
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: Soil Contamination **Site Lot:**
Receiving Medium: **Site Conc:**
Receiving Env: **Northing:**
MOE Response: No Field Response **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 14-JUN-13 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:** Highway Spills (usually highway accidents)
Incident Reason: Operator/Human Error **Source Type:**
Site Name: County Road 174<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Purolator TT Roll-over on Queensway - 12 L's of dsl to ditch
Contaminant Qty: 12 L

Site: **Unknown<UNOFFICIAL>**
Innes Rd Eastbound at Blair Ottawa ON

Database:
SPL

Ref No: 2061-8MDRQW **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 10/6/2011 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: 13 **Nearest Watercourse:**
Contaminant Name: DIESEL FUEL **Site Address:** Innes Rd Eastbound at Blair
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: **Site Lot:**
Receiving Medium: **Site Conc:**
Receiving Env: **Northing:**
MOE Response: No Field Response **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 10/6/2011 **Site Map Datum:**
Dt Document Closed: 11/22/2011 **SAC Action Class:** Land Spills
Incident Reason: **Source Type:**
Site Name: MVA Site: Ottawa Roads<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: MVA: diesel on road.
Contaminant Qty:

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 Sep 2020

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-Oct 2018

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-Jun 30, 2020

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.

Environment and Climate Change Canada cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: Jan 2004-Dec 2017

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: Jul 31, 2020

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-Jun 30, 2020

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 2020

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-Dec 2019

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-Oct 31, 2020

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 2019

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: Jul 31, 2020

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-Oct 31, 2020

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-Oct 31, 2020

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-Oct 31, 2020

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, 2020

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: Dec 31, 2016

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 / 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, 2019

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: Jul 31, 2020

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 2020

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: Jul 31, 2020

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, 2020

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 2018

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 is 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: Jul 31, 2020

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: Feb 28, 2019

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-Jan 2020

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, 2018

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-Mar 31, 2020

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, 2020

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 OGSRLibrary 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-Jun 2020

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 all 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-Oct 31, 2020

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-Oct 31, 2020

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: Oct 31, 2020

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 all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994-Oct 31, 2020

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: 1986-2016

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 2020

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-Jun 30, 2020

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-Nov 2019

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, 2017

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-Aug 2019

Variations 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: Jul 31, 2020

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-Oct 31, 2020

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: Apr 30, 2020

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.

Jesse Andrechek

From: Public Information Services <publicinformationservices@tssa.org>
Sent: November 30, 2020 11:40 AM
To: Jesse Andrechek
Subject: RE: Search Records Request: PE4015

Hello,

Thank you for your request for confirmation of public information.

I have searched the below noted addresses and I have located the following record:

Inst Number	Context	Address	City	Province	Postal Code	Inststatusname	Segment1
64659717	-	2412 CLEROUX CRES	OTTAWA	ON	K1W 1A3	Active	FS NON LICENSED FACILITY

For a further search in our archives, or for copies of documents, please complete our release of public information form found at <https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392> and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thanks,



Sherees Thompson | Public Information Agent

Facilities
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: sthompson@tssa.org
www.tssa.org



From: Jesse Andrechek <JAndrechek@Patersongroup.ca>
Sent: November 27, 2020 3:46 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Search Records Request: PE4015

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good afternoon,

Could you please complete a search of your records for underground/aboveground storage tanks, historical spills or other incidents/infractions for the following addresses in Ottawa, ON:

Cleroux Crescent: 2380, 2396, 2401, 2412, 2428

Autumn Hill Crescent: 2502, 2506, 2510, 2514, 2518

Thank you!

Best regards,
Jesse Andrechek, BAsC

paterongroup
solution oriented engineering
over 60 years serving our clients

154 Colonnade Road South
Ottawa, Ontario, K2E 7J5
Tel: (613) 226-7381 Ext. 228
Cell: (613) 913-3381

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Associate and Supervisor of the Environmental Division
Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991
Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer
Environmental and Geotechnical Division
Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island
Agricultural Supply Facilities - Eastern Ontario
Laboratory Facility – Edmonton (Alberta)
Ottawa International Airport - Contaminant Migration Study - Ottawa
Richmond Road Reconstruction - Ottawa
Billings Hurdman Interconnect - Ottawa
Bank Street Reconstruction - Ottawa
Environmental Review – Various Laboratories across Canada - CFIA
Dwyer Hill Training Centre – Ottawa
Nortel Networks Environmental Monitoring - Carling Campus – Ottawa
Remediation Program - Block D Lands – Kingston
Investigation of former landfill sites – City of Ottawa
Record of Site Condition for Railway Lands – North Bay
Commercial Properties – Guelph and Brampton
Brownfields Remediation – Alcan Site - Kingston
Montreal Road Reconstruction - Ottawa
Appleford Street Residential Development - Ottawa
Remediation Program - Ottawa Train Yards
Remediation Program - Bayshore and Heron Gate
Gladstone Avenue Reconstruction – Ottawa
Somerset Avenue West Reconstruction - Ottawa

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

Environmental Technician

EDUCATION

Queen's University, BAsC, 2019
Civil Engineering

St. Lawrence College, Advanced Diploma, 2016
Civil Engineering Technology

EXPERIENCE

2019 – Present

Paterson Group Inc.

Consulting Engineers
Environmental and Geotechnical Department
Environmental Technician

2018, 2017 (Summer)

City of Ottawa, PIED

Asset Management Branch, Building and Park Assets
Engineering Summer Student

SELECT LIST OF PROJECTS

Phase I and II ESA – Various Sites – Ontario (CSA Z768-01 & MECP)
Remediation Supervision – Various Sites – Ottawa
Geotechnical Investigations – Various Sites – Ottawa, Kingston, Toronto
Groundwater Monitoring – Various Sites – Ottawa, Kingston, Toronto
Site Surveying – Various Sites – Ottawa, Kingston, Toronto