

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1545 WOODROFFE AVENUE, OTTAWA, ONTARIO



Project No.: CCO-21-2432-06

Prepared for:

Circle K Stores and Alimentation Couche-Tard
305 Milner Avenue, Suite 400
Toronto, ON
M1B 3V4

Prepared by:

McIntosh Perry Consulting Engineers Ltd.
115 Walgreen Road, RR3
Carp, ON
K0A 1L0

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Executive Summary

McIntosh Perry was retained by Mr. Joe Widjaja, Senior Designer with Sovereign Design and Management Services, on behalf of Circle K Stores and Alimentation Couche-Tard (Client) to conduct a Phase One Environmental Site Assessment (ESA) for the property located at 1545 Woodroffe Avenue, Ottawa, Ontario (hereinafter referred to as the Site or Phase One Property). The Phase One Property is currently developed with an active, single-storey convenience store and retail fuel outlet, car wash and a vacant single-storey commercial building formerly occupied by a Tim Horton's restaurant.

It is understood that this Phase One Environmental Site Assessment (ESA) is being completed in support of an application for City of Ottawa Site Plan Approval (SPA) to redevelop the Site. The redevelopment would not represent a change to a more sensitive land use, and as such, a Record of Site Condition (RSC) would not be required under O.Reg. 153/04. However, a Phase One ESA completed in accordance with O.Reg. 153/04 is required for the City of Ottawa SPA process.

This Phase One ESA has been prepared in general accordance with the requirements of O. Reg. 153/04 - Records of Site Condition (as amended) and is also in general compliance with "Phase I Environmental Site Assessment", Canadian Standards Association (CSA) standard CSA Z768-01 (reaffirmed 2016).

Based on a review of previous environmental reports, aerial photographs and the ERIS report for the Phase One Study Area, the Phase One Property was first developed circa 1955 with an historic automotive servicing garage, which has since been demolished. The present-day commercial buildings were developed circa 1990, with the exception of the fuel distribution infrastructure (pump islands, piping, USTs, etc.) which was replaced in 2009.

Based on the site reconnaissance and review of historical information and previous environmental investigations by McIntosh Perry and others, the following Areas of Potential Environmental Concern were identified on-Site:

1. Historic automotive service garage in the northeast and southwest portion of the Phase One Property
2. Current and historic operations of a retail fuel outlet with associated USTs in the southwest portion of the Phase One Property
3. Fill material of unknown quality throughout the Phase One Property
4. Current operations of a car wash in the southeast portion of the Phase One Property
5. Transformer box on the west portion of the Phase One Property

Additional PCAs within the Phase One Study Area are not considered to represent APECs due to their separation distance and/or down-gradient location with respect to the Site.

Based on the findings of this Phase One ESA, ***a Phase Two ESA is recommended at the Phase One Property.***

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1.0 INTRODUCTION

McIntosh Perry was retained by Mr. Joe Widjaja, Senior Designer with Sovereign Design and Management Services, on behalf of Circle K Stores and Alimentation Couche-Tard (Client) to conduct a Phase One Environmental Site Assessment (ESA) for the property located at 1545 Woodroffe Avenue, Ottawa, Ontario (hereinafter referred to as the Site or the Phase One Property). The Phase One Property is currently developed with an active, single-storey convenience store and retail fuel outlet, car wash and a vacant single-storey commercial building formerly occupied by a Tim Horton's restaurant.

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This Phase One ESA has been prepared in general accordance with the requirements of O. Reg. 153/04 - Records of Site Condition (as amended) and is also in general compliance with "Phase I Environmental Site Assessment", Canadian Standards Association (CSA) standard CSA Z768-01 (reaffirmed 2016).

The location of the Phase One Property is shown on Figure 1, and a plan showing the Phase One Property Site layout and features (including on-Site land use) is provided as Figure 2.

1.1 Phase One Property Information

The Phase One Property has an official plan designation as a GM15 Subzone of the General Mixed-Use Zone, permitting automobile service stations, car washes and gas bars (GM15 H9.5), as shown on the City of Ottawa Zoning By-law (Sections 187 and 188).

The total area of the Site is approximately 0.82 hectares (ha).

1.1.1 Property Identification

The legal descriptions of the Site are as follows:

**PCL 30-2, SEC NEPEAN-1 RIDEAU FRONT; PT ROAD ALLOWANCE BTN LTS 30 & 31, CON 1 RIDEAU FRONT,
PART 1, 4R3336; NEPEAN
PIN: 04657-0590**

**CONSOLIDATION OF VARIOUS PROPERTIES PART OF LOT 30, CONCESSION 1, RIDEAU FRONT AS IN
CR362577 AND PART 1 ON PLAN 5R4787 EXCEPT PART 1 PLAN
PIN: 04657-0604**

1.1.2 Property Ownership and Contact Details

McIntosh Perry was retained to complete this Phase One ESA by Mr. Joe Widjaja of Sovereign Design and Management Services. Circle K Stores Inc. is the current registered owner of the Phase One Property. McIntosh

Perry's primary contact for the Site is Mr. Widjaja, who is the Senior Designer for Sovereign Design and Management Services and can be contacted at joe@samanagement.ca.

1.1.3 *Current and Proposed Future Uses*

The Phase One Property is currently occupied by an active retail fuel outlet and car wash, and a vacant commercial building formerly used as a Tim Horton's restaurant.

It is McIntosh Perry's understanding that the intended future use of the Site is for continued commercial operations, including a redeveloped car wash, restaurant and retail fuel outlet.

1.2 **Surrounding Land Use**

Land use in the Phase One Study Area primarily consists of residential, as shown on Figure 3.

2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary environmental screening tool designed to provide a qualitative assessment of the environmental condition of a site, based on a desktop review of available documentation pertaining to the site and observations made during a site visit. Sampling and chemical analysis of soils, groundwater, and/or other materials/substances are beyond the scope of work for a Phase One ESA.

The Phase One ESA has been prepared in general accordance with the requirements of the following legislation:

- Ontario Regulation (O. Reg.) 153/04 - Records of Site Condition (as amended).

The report is also in general compliance with:

- “Phase One Environmental Site Assessment”, Canadian Standards Association (CSA) standard CSA Z768-01, Reaffirmed 2016.

The subject property is considered an ‘enhanced investigation property’ as defined in O.Reg. 153/04 (as amended), as the Site is currently used as a bulk liquid fuel dispensing facility.

The scope of the investigation included an historical review of the past uses of the Site and surrounding properties using readily available public records from provincial and municipal governments and documentation from Environmental Risk Information Services Ltd. (ERIS) and Opta Information Intelligence (Opta); visual observations of the Site and surrounding properties during a Site reconnaissance; and compilation of this information into a Phase One ESA report. McIntosh Perry reviewed the following previous environmental reports prepared in connection with the Site:

- “Fuel Distribution System Upgrade and Remedial Excavation, 1545 Woodroffe Avenue (at Medhurst Drive), Ottawa, Ontario”, prepared by O’Connor Associates Environmental Inc, dated October 13, 2009. (2009 O’Connor Fuel Distribution Report)
- “Phase II Environmental Site Assessment, 1545 Woodroffe Avenue (at Medhurst Drive), Ottawa, Ontario”, prepared by O’Connor Associates Environmental Inc., dated October 13, 2009. (2009 O’Connor Phase II ESA)
- “Supplementary Phase II Environmental Site Assessment, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by O’Connor Associates Environmental Inc., dated June 25, 2010. (2010 O’Connor Supplementary Phase II ESA)
- “Supplementary Phase Two Environmental Site Assessment, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by O’Connor Associates Environmental Inc., dated January 17, 2012. (2012 O’Connor Supplementary Phase Two ESA (January))
- “Supplementary Phase Two Environmental Site Assessment, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by O’Connor Associates Environmental Inc., dated October 11, 2012. (2012 O’Connor Supplementary Phase Two ESA (October))

- “Subsurface Investigation, Boulevard Adjacent to 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by O’Connor Associates Environmental Inc., dated October 11, 2012.
(2012 O’Connor Subsurface Investigation)
- “Contaminant Management Plan, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by Parsons Canada Ltd., dated February 21, 2013.
(2013 Parsons CMP)
- “Soil Vapour Assessment, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by O’Connor Associates Environmental, Inc., dated April 2, 2014.
(2014 O’Connor Soil Vapour Report)
- “Supplementary Phase Two Environmental Site Assessment, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by Parsons Canada Ltd., dated April 9, 2015.
(2015 Parsons Supplementary Phase Two ESA)
- “Phase I Environmental Site Assessment, 1545 Woodroffe Avenue, Nepean, Ontario”, prepared by SNC-Lavalin, dated July 2015.
(2015 SNC-Lavalin Phase I ESA)
- “Groundwater Monitoring and Sampling Data Package, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by Parsons Canada Ltd., dated August 5, 2015.
(2015 Parsons Groundwater Package)
- “Groundwater Monitoring and Sampling Report, IOL Site No. 302287, 1545 Woodroffe Avenue, Ottawa, Ontario”, prepared by WSP Canada Inc., dated June 15, 2016.
(2016 WSP Groundwater Report)

The purpose of the Site reconnaissance was to observe any evidence of potential contamination sources or special consideration items including, but not limited to, asbestos-containing materials (ACMs), polychlorinated biphenyls (PCBs), urea formaldehyde foam insulation (UFFI), ozone-depleting substances (ODSs), hazardous material storage areas, underground storage tanks (USTs) and aboveground storage tanks (ASTs). It should be noted that intrusive sampling and analysis was not part of this investigation. A designated substances survey was also not completed as part of this Phase I ESA.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

The Phase One Study Area includes the following properties:

- The Phase One Property.
- All properties within approximately 300 m of the Phase One Property boundary.

The Phase One Study Area, including surrounding land uses within the Phase One Study Area, is shown on Figure 3.

3.1.2 First Developed Use Determination

Based on a review of previous environmental reports, aerial photographs and the ERIS report for the Phase One Study Area, the Phase One Property was first developed circa 1955 with an historic automotive servicing garage, which has since been demolished. The present-day commercial buildings were developed circa 1990, with the exception of the fuel distribution infrastructure (pump islands, piping, USTs, etc.) which was replaced in 2009. To the best of McIntosh Perry's knowledge, the Site has been utilized for commercial purposes, including automotive servicing and retail fuel sales, since its development, prior to which the Phase One Property appeared to be agricultural and forested lands.

3.1.3 Fire Insurance Plans

McIntosh Perry contacted Opta to obtain copies of Fire Insurance Plans (FIPs) for the Site and surrounding area. In a response dated July 28, 2021, Opta indicated that no FIPs were on file for the Site or surrounding area.

A copy of the Opta response is provided in Appendix A.

3.1.4 Insurance Reports

McIntosh Perry contacted Opta to obtain copies of insurance reports for the Site and surrounding area. In a response dated July 28, 2021, Opta provided McIntosh Perry with copies of a Multirisk report dated 1986.

Based on McIntosh Perry's review of the 1986 Multirisk report, the following information was noted:

- The Site was occupied by an unspecified 24-hour commercial goods business operated by UniPetro Resources, at the time of the inspection.
- No evidence of water leakage, corrosion, water damage or drainage issues were observed during the inspection.
- The building was reportedly serviced by standard gas connections and copper plumbing.
- The area surrounding 1545 Woodroffe Avenue was described as residential.
- ASTs and USTs were not specifically identified in the Multirisk report.
- No potential environmental concerns were identified in the 1986 Multirisk report.

A copy of the Opta Multirisk report is provided in Appendix A.

3.1.5 Chain of Title

At the time of this report, a Chain of Title had not been completed.

3.1.6 Previous Environmental Reports

3.1.6.1 2009 O'Connor Phase II ESA

Imperial Oil Limited retained O'Connor Associates Environmental Inc. to conduct a Phase II ESA at the Site between November 2008 and October 2009 in preparation for the UST removal, replacement and relocation described in the 2009 O'Connor Fuel Distribution Report. The Phase II ESA was completed in accordance with the applicable standards at the time:

- MOE Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario (1996).
- MOE Draft Guideline for Phase II Environmental Site Assessments in Ontario (March 22, 2006).
- MOE Table 3 full depth generic site condition standards for commercial/industrial /community land use and medium and fine textured soils (2004).

The Phase II ESA indicated that the commercial property formerly occupied by a Tim Horton's restaurant was used as an automotive service and repair garage prior to 1993.

The scope of work for the Phase II ESA included the advancement of seven (7) boreholes (BH1 – BH7) to a maximum depth of 6.1 mbgs in the southwest portion of the Site, surrounding the USTs and fuel pumps. Monitoring wells were installed following the drilling of each borehole; three (3) monitoring wells (BH3, BH4 and BH6) were screened within a sand layer and four (4) monitoring wells (BH1 BH2, BH5 and BH7) within the upper clay layer.

Native soils at the Site were generally described as sandy clay and silt, underlain by well-sorted medium to coarse-grained sand with hydraulic conductivities of 1.7×10^{-8} m/s and 1.4×10^{-4} m/s, respectively. Groundwater flow direction was inferred to be southwest within the clay layer and north within the sand layer.

Two (2) soil samples were selected from each borehole based on field observations and/or screening results and submitted for laboratory analysis of BTEX, PHC fractions F1 to F4, and lead. The soil samples submitted for analysis from BH2, BH4 and BH5 were not in exceedance of the applicable standards. Soil analyzed from a depth of 3.0 mbgs in BH1 and BH3 demonstrated exceedances of PHC fraction F1.

In December 2008, groundwater samples from six (6) monitoring wells (BH1-BH5 and BH7) were submitted for laboratory analysis of BTEX, PHC fractions F1 to F4, and lead. Groundwater from BH6 was not sampled due to observations of a PHC sheen on the surface of the water. Free product was not observed in the groundwater from any of the six (6) wells sampled in December 2008. All groundwater samples submitted for analysis were determined to be within the applicable standards for all parameters analyzed. Vapour concentrations measured within the monitoring wells ranged between 175 parts per million (ppm) and 100% of the lower explosive limit (LEL). There was no applicable groundwater standard for PHC fractions F1 to F4 at the time of the 2009 O'Connor Phase II ESA.

3.1.6.2 2009 O'Connor Fuel Distribution Report

O'Connor Associates Environmental Inc. prepared a Fuel Distribution System Upgrade and Remedial Excavation report in October 2009 for Imperial Oil Limited at the active Esso retail fuel outlet, located at 1545 Woodroffe Avenue in Ottawa, Ontario. The purpose of the excavation was to replace the existing fuel distribution system with upgraded equipment and evaluate the extent of the petroleum hydrocarbon (PHC) impacts in the soil surrounding the underground storage tanks (USTs), distribution piping and pump islands.

On May 12, 2009, six (6) USTs (U1-U6) were removed from the south portion of the Site, between Medhurst Drive and the current location of the tank nest. The close proximity of the USTs to the southeast property boundary along Medhurst Drive necessitated the installation of a permanent pile and lagging shoring system. One (1) additional UST (U7) was uncovered and removed during the excavation of the current tank nest location. A vacuum truck was used to remove a total of 2,605 L of liquid fuel from these seven (7) USTs and each was purged with dry ice prior to removal for off-Site disposal. The following table summarizes the details of the USTs removed in 2009:

UST ID	Location	Fuel Type	Capacity (L)
U1	Southeast of the current UST nest	Gasoline	13,600
U2	Southeast of the current UST nest	Gasoline	22,700
U3	Southeast of the current UST nest	Gasoline	22,700
U4	Southeast of the current UST nest	Diesel	13,600
U5	Southeast of the current UST nest	Gasoline	13,600
U6	Southeast of the current UST nest	Gasoline	22,700
U7	Current UST nest – southeast of the fuel pumps	Unknown – furnace oil suspected	2,273

Following the removal of the seven (7) USTs, the excavation was expanded to an approximate depth of 4.5 mbgs with an approximate floor area of 409 m² to facilitate the installation of four (4) replacement USTs north of the previous tank nest. A second excavation, with an approximate floor area of 265 m² and maximum depth of 1.0 mbgs, was completed to investigate and remove PHC impacted soil from the area of the fuel pump islands, north of the first excavation. All concrete and underground piping unearthed during the excavation was removed and transported off-Site for recycling or disposal, as appropriate. The final walls and floors of the excavations were sampled and the analytical results indicated that the majority of the soils sampled satisfied the criteria used at the time (MOE Table 3). Analytical results from two (2) samples from the north wall of the fuel pump island excavation and two (2) samples from the UST excavation (south and west walls) did not satisfy the applicable standards. All reported exceedances were sampled from depths between 3.0 and 4.5 mbgs. No groundwater or free product were observed during the excavations.

In total, approximately 1,635 cubic metres (m³) of soil was excavated from the two (2) locations. The excavated soil was field screened, and a representative sample was submitted for laboratory analysis for every 100 tonnes removed. After the receipt of analytical results, 550 m³ of soil was determined to be appropriate for use as backfill while the remainder, 1,085 m³ of soil, was transported off-Site disposal. Imported granular B material, sampled and analyzed to ensure MOE compliance, was used to complete the backfilling process during the installation of four (4) replacement USTs and associated piping and fuel distribution pumps.

The following table summarizes the details of the USTs installed in 2009:

UST ID	Location	Fuel Type	Capacity (L)
UST1	Current location – southeast of the fuel pumps	Gasoline	50,000*
UST2	Current location – southeast of the fuel pumps	Gasoline	50,000*
UST3	Current location – southeast of the fuel pumps	Gasoline	50,000*
UST4	Current location – southeast of the fuel pumps	Diesel	25,000

*The 50,000 L capacity USTs are reported as having a capacity 46,000 L in later reports.

It is noted that the changes have been enacted to many of the sampling procedures, analytical methods and standards utilized at the time of this report.

3.1.6.3 2010 O'Connor Supplementary Phase II ESA

Imperial Oil Limited retained O'Connor Associates Environmental Inc. to conduct a Supplementary Phase II ESA at the Site in March 2010 to investigate potential PHC impacts in the soil and groundwater in the south portion of the Site. The scope of work for this Supplementary Phase II included the advancement of five (5) additional boreholes and the installation of five (5) monitoring wells (BH8 – BH12). The Supplementary Phase II ESA was completed in accordance with the following applicable standards at the time:

- MOE Guidance on Sampling and Analytical Methods for Use at Contaminated Sites in Ontario (1996).
- MOE Table 3 (non-potable) full depth site condition standards, for industrial/commercial /community land use and medium and fine textured soils (2004).

A total of eleven (11) soil samples were selected to be submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, and lead based on field observations and screening. The results for all soil samples submitted satisfied the applicable standards for all parameters analyzed and free product was not observed during the drilling and soil sampling activities.

Monitoring wells installed in BH8, BH9, BH11 and BH12 were screened within the sand layer and BH10 was screened within the lower clay layer. Groundwater flow direction was inferred to be in a northwest direction within the sand layer and was undetermined for the lower clay layer due to insufficient data. The hydraulic conductivity of the sand layer was calculated to be 3.93×10^{-4} m/s with an estimated flow velocity of 2.4 m/year.

Free product was not observed in any of the newly installed monitoring wells (BH8 – BH12). Subsurface vapour concentration measured in BH8 – BH12 ranged between 25 ppm and greater than 100 % LEL. Groundwater was sampled from BH6 – BH9 and BH11 and BH12 and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, and lead. BH10 could not be sampled due to excessive volumes of silt in the groundwater sampled at the time. All analytical results from the groundwater samples submitted for analysis were in compliance with the applicable standards, however there were no groundwater standards for PHCs F1 to F4 at the time of this Supplementary Phase II ESA. The following table compares the groundwater analytical results for PHCs fractions F1 to F4 with the current Table 3, Full Depth Generic Site Condition Standards in a Non-Potable Ground Water Condition (Table 3 Standards):

PHC Fraction	Table 3 Standard – 2021 (µg/L)	BH5	BH6	BH7	BH8	BH9	BH11	BH12
F1	750	11,000	5,600	<100	910	<100	850	2,700
F2	150	4,900	650	<100	460	<100	460	1,100
F3	500	240	2,100	<100	<100	<100	<100	<100
F4	500	<100	730	<100	110	<100	<100	<100

Bolded values indicate exceedances of the 2021 Table 3 Standards. It is noted that sampling and analytical methodologies have changed since 2010 and the above comparison is for information purposes only.

3.1.6.4 2012 O'Connor Subsurface Investigation

Imperial Oil retained O'Connor Associates Environmental Inc., a Parsons Company, in March 2012 to conduct a subsurface investigation along Woodroffe Avenue and Medhurst Drive, to the south and west of the Esso retail fuel outlet located at 1545 Woodroffe Avenue, Ottawa, Ontario. The 2012 O'Connor Subsurface Investigation was completed in accordance with the following applicable standards:

- MOE Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (as amended).
- MOE Table 3 (non-potable) full depth site condition standards, for industrial/commercial /community land use and medium and fine textured soils (2011) – Woodroffe Avenue, BH201 and BH202.
- MOE Table 3 (non-potable) full depth site condition standards, for industrial/commercial /community land use and medium and fine textured soils (2011) – Medhurst Drive, BH101-BH104.

The scope of work for the subsurface investigation included the advancement of two (2) boreholes and the installation of two (2) groundwater monitoring wells (BH201 and BH202) on Woodroffe Avenue, west of the Site. Six (6) soil samples (three (3) from each borehole) were submitted for laboratory analysis of BTEX, PHC

fractions F1 to F4, hexane and lead. Analytical results indicated that all soil samples submitted for analysis were in compliance with Table 3 Standards for medium and fine textured soils.

Groundwater flow direction was inferred to be to the northwest. Subsurface vapour concentrations measured in 2012 ranged between 11% LEL in BH1010 and 27% LEL in BH102, and between 160 ppm in BH103 and 240 ppm in BH202.

Groundwater samples from each of the newly installed monitoring wells (BH201 and BH202) were submitted for laboratory analysis of BTEX, PHC fractions F1 to F4, hexane and lead. Four (4) additional groundwater monitoring wells (BH101 - BH104), reportedly installed in 2010, were located to the south of the Site, on Medhurst Drive. Three (3) groundwater samples (BH101 – BH103) were collected and submitted for laboratory analysis from these previously installed monitoring wells on Medhurst Drive. The monitoring well identified as BH104 was not located on Medhurst Drive during the 2012 O'Connor Subsurface Investigation and was presumed destroyed. Analytical results for xylenes and PHC fractions F1 and F2 in the groundwater sample collected from BH101 were in exceedance of the applicable Table 3 Standards and the concentration of hexane was elevated. All other analytical results were within the applicable Table 3 Standards and free product was not observed in any of the monitoring wells sampled.

3.1.6.5 2012 O'Connor Supplementary Phase Two ESA (January)

Imperial Oil Limited retained O'Connor Associates Environmental Inc. to conduct a Supplementary Phase Two ESA at the Site in 2011 to investigate potential PHC impacts in the soil and groundwater in the south portion of the Site, as described in previous reports. The scope of work included the advancement of three (3) boreholes followed by the installation of three (3) monitoring wells (BH13, BH14 and BH15). In addition, the monitoring well (BH10) previously installed in the clay and silt layer for the 2010 O'Connor Supplementary Phase II ESA was redrilled with the monitoring well screened in the sand layer. The Supplementary Phase Two ESA was completed in accordance with the following applicable standards at the time:

- MOE Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (as amended).
- MOE Full depth generic site condition standards in a non-potable groundwater condition for industrial/commercial/community property use and medium and fine textured soils (amended 2011).

A total of six (6) soil samples (two (2) from each new borehole) were selected to be submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, hexane and lead based on field observations and screening. The results for all soil samples submitted for analysis satisfied the applicable standards for all parameters analyzed, except PHC fraction F1 from depths between 3.1 and 3.7 mbgs (within the water table) in BH13, located west of the fuel pumps. A soil sample (WC-1545) was submitted for ignitability analysis and waste classification through bulk analysis of BTEX, PHC fractions F1 to F4 and metals, and a leachate analysis of volatile organic compounds (VOCs), and PCBs. The results classified the soil as the Site as not ignitable and non-hazardous solid waste according to the applicable standard.

Monitoring wells installed in BH13 and BH14 were screened between 3.7 and 6.1 mbgs within the sand layer. BH15 was screened within a layer of silt between 3.0 and 6.1 mbgs. Groundwater flow direction thorough the

sand layer was inferred to be in a radial pattern outward from the location of BH13 and was undetermined for the lower silt layer due to insufficient data. Free product was observed in monitoring well BH12 and purged from the well for off-Site disposal. Subsurface vapour concentrations were measured in monitoring wells BH5 - BH15 and ranged between 60 ppm and 17% LEL.

A total of nine (9) monitoring wells were sampled (BH5-BH11 and BH13-BH15) and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, and lead. BH12 could not be sampled at the time due to a measurable amount of free product (2mm) observed in the monitoring well. The analytical results for four (4) of the monitoring wells sampled (BH7, BH9, BH10 and BH14) were in compliance with the applicable Table 3 Standards. The analytical results from five (5) of the monitoring wells sampled (BH5, BH6, BH8, BH11 and BH13) were in exceedance of one or more of the parameters analyzed. All of the five (5) monitoring wells exceeded the Table 3 Standard for PHC fraction F2, while BH5, BH6 and BH13 also exceeded the standard for PHC fraction F1. The groundwater sampled from BH6 was also determined to be in exceedance of the applicable standards for benzene, ethylbenzene and total xylenes.

3.1.6.6 2012 O'Connor Supplementary Phase Two ESA (October)

Imperial Oil Limited retained O'Connor Associates Environmental Inc., a Parsons Company, to conduct an additional Supplementary Phase two ESA at the Site in October 2012 to further investigate the potential impacts in the soil and groundwater at the Site, as described in previous reports. The scope of work included the advancement of one (1) borehole followed by the installation of one (1) monitoring well (BH16) to investigate potential impacts in the vicinity of the car wash on the east portion of the Site. The Supplementary Phase Two ESA was completed in accordance with the following applicable standards at the time:

- MOE Guidance for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04 (as amended).
- MOE Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (as amended).
- MOE Full depth generic site condition standards in a non-potable groundwater condition for industrial/commercial/community property use and medium and fine textured soils (amended 2011).

Two (2) soil samples were collected from BH16 and submitted for laboratory analysis of pH, BTEX, PHCs fractions F1 to F4, hexane and lead based on field observations and screening. The results for all soil samples submitted for analysis satisfied the applicable standards for all parameters.

Groundwater monitoring and sampling was completed at BH16 and each of the accessible previously installed monitoring wells at the Site. Free product was not observed in any of the accessible monitoring wells however, BH12 was observed to have a surface sheen at the time of sampling. Vapour concentrations within the monitoring wells were measured between <5ppm (non-detectable) at BH16, and 100% LEL at BH12.

A total of nine (9) monitoring wells were sampled (BH5-BH8, BH10-BH13 and BH16) and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, and lead. The analytical results for three (3) of the monitoring wells sampled (BH7, BH11 and BH16) were in compliance with the applicable Table 3 Standards.

The analytical results from six (6) of the monitoring wells sampled (BH5, BH6, BH8, BH10, BH12 and BH13) were in exceedance of one or more of the parameters analyzed. All of the six (6) monitoring wells exceeded the Table 3 Standard for PHC fraction F2, while BH5, BH6, BH8, BH12 and BH13 also exceeded the standard for PHC fraction F1. The groundwater sampled from BH12 was also determined to be in exceedance of the applicable standards for benzene.

3.1.6.7 2013 Parsons CMP

Imperial Oil retained O'Connor Associates Environmental Inc., a Parsons Company, to update the contaminant management plan (CMP) originally prepared in 2011 to outline proposed methods of monitoring and containing the PHC impacts described in previous reports. The CMP was prepared in accordance with the following applicable standard:

- Technical Standards and Safety Authority (TSSA) document titled Environmental Management Protocol for Fuel Handling Sites in Ontario (August 2012).

The CMP describes plans to monitor ten (10) on-Site (BH5, BH7, BH8, BH10, BH11, BH12, BH13, BH14, BH15 and BH16) and five (5) off-Site monitoring wells (BH101, BH102, BH103, BH201 and BH202) on an annual basis for groundwater levels, subsurface combustible vapour concentrations, evidence of free product or sheen and any indications of significant degradation of the overall environmental conditions at the Site. The CMP proposed collecting and submitting groundwater samples for laboratory analysis of BTEX, PHC fractions F1 to F4, and lead from each of the fifteen (15) monitoring wells during the proposed annual monitoring events. Results were to be reported to the TSSA immediately upon discovery of significant adverse results or observations, or annually, following the monitoring events.

3.1.6.8 2014 O'Connor Soil Vapour Report

Imperial Oil Limited retained O'Connor Associates Environmental Inc., a Parsons Company, to conduct an additional soil vapour assessment at the Site in 2013 to investigate subsurface soil vapour concentrations of contaminants of concern. The scope of work included the advancement of two (2) shallow boreholes for the installation of two (2) soil gas monitoring wells (SGMW-1 and SGMW-2) in the vicinity of BH12, west of the convenience store and north of the fuel pumps. SGMW-1 was installed in May 2012 and SGMW-2 was installed in October 2013. The 2014 O'Connor Soil Vapour Report was completed in accordance with the following applicable standards:

- MOE Modified Generic Risk Assessment Spreadsheet for industrial/commercial/community property use (April 15, 2011).
- MOE Full depth generic site condition standards in a non-potable groundwater condition for industrial/commercial/community property use and medium and fine textured soils (amended 2011).

Two (2) soil samples were selected from SGMW-1 (SGMW-1-0-0.6 and SGMW-1-1.8-2.4) and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, hexane and lead based on past reports, field observations and screening. The analytical results for all soil samples submitted for analysis satisfied the applicable standards for all parameters. Concentrations of the analyzed parameters were elevated and detectable in the soil

sampled between 1.8 and 2.4 mbgs, except PHC fraction F2. Analytical results for the duplicate sample taken from depths between 1.8 and 2.4 mbgs were in exceedance of Table 3 Standards for Benzene. All parameters analyzed from SGMW-1-0-0.6 were not detected above the laboratory minimum detection limits.

Soil gas monitoring well leak tests (water and helium) were performed with satisfactory results on both newly installed SGMWs. A total of three (3) soil vapour samples were collected and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F2. SGMW-1 was sampled on June 19, 2012 and again on January 15, 2013 with results indicating exceedances of benzene and compliance with all other analyzed parameters when compared to the applicable soil vapour screening criteria. SGMW-2 was sampled on October 17, 2013 with results indicating exceedances of benzene and compliance with all other analyzed parameters.

3.1.6.9 2015 Parsons Supplementary Phase Two ESA

Imperial Oil Limited retained O'Connor Associates Environmental Inc., a Parsons Company, to conduct an additional Supplementary Phase two ESA at the Site in December 2014 to further investigate the potential impacts in the soil and groundwater at the Site, as described in previous reports. The scope of work included the advancement of eleven (11) boreholes (BH-301 to BH-311) followed by the installation of seven (7) monitoring well (BH-301, BH-302, BH-303, BH-305, BH-306, BH-308 and BH309) to investigate potential impacts throughout the Site. The Supplementary Phase Two ESA was completed in accordance with the following applicable standards at the time:

- MOECC Guidance for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04 (as amended).
- MOECC Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (as amended).
- MOECC Table 3 Full depth generic site condition standards in a non-potable groundwater condition for industrial/commercial/community property use and medium and fine textured soils (amended 2011).

A total of twenty-two (22) soil samples (two (2) samples from each borehole) were collected and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, hexane, lead, polycyclic aromatic hydrocarbons (PAHs), PCBs and select metals and VOCs based on past reports, field observations and screening. The VOCs selected for analysis included ethylene dibromide, dichlorodifluoromethane, 1,1-dichloroethane, 1,2-dichloroethane, 1,1-dichloroethylene, cis-1,2-dichloroethylene, trans-1,2-dichloroethylene, methyl t-butyl ether, tetrachloroethylene, 1,1,1-trichloroethane, 1,1,2-trichloroethane, trichloroethylene, trichlorofluoromethane, and vinyl chloride. The metals selected for laboratory analysis included arsenic, barium, chromium, copper, and zinc. The results for all soil samples submitted for analysis satisfied the applicable Table 3 Standards for all parameters.

Groundwater from seven (7) monitoring wells (BH-301 to BH-311) was sampled and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, hexane, lead and other select metals and VOCs. The metals and VOCs selected for analysis were consistent with those parameters used to analyze the soil samples, as listed above. The results for all groundwater samples submitted for analysis satisfied the applicable Table 3 Standards for all parameters in all newly installed monitoring wells except BH-306, installed north of the convenience store. The

analytical results for the groundwater sampled from BH-306 indicated exceedances of PHC fractions F1 and F2 and compliance with all other applicable standards however, the additional selected metals were not included in the analysis of BH-306.

Free product was not observed in any of the accessible monitoring wells during the field activities. Subsurface combustible vapour concentrations within the monitoring wells were measured between <5ppm (non-detectable) at BH-305 and BH-308, and 220 ppm at BH-302.

3.1.6.10 2015 SNC-Lavalin Phase I ESA

SNC-Lavalin Inc. was retained by Imperial Oil Limited to prepare a Phase I ESA in accordance with the Canadian Standards Association (CSA) "Phase I Environmental Site Assessment" Standard Z768-01 (CSA, 2012) to identify any current or past activities on the Site and surrounding properties that could impact the quality of the soil and groundwater at the Site.

The following Areas of Potential Environmental Concern were identified on-Site:

- Current and historical retail fuel storage and dispensing in the southwest portion of the Site
- Car wash in the east portion of the Site
- Automotive service bay and repair garage previously located in the northeast and northwest portions of the Site
- Transformer box in the west portion of the Site
- Fill of unknown origin throughout the Site

The following Areas of Potential Environmental Concern were identified off-Site:

- Known and unknown soil and groundwater impacts in the road allowance south of the Site, along Medhurst Drive
- Pole mounted transformer and transformer box within the road allowance southwest of the Site
- Registered generator of light fuels, paint, aliphatic solvents and waste oils at 72A/G Brockinton Crescent, located north and east of the Site

Due to the above noted APECs identified on-Site and off-Site, it was concluded that there is evidence of potentially contaminated activities that may give rise to subsurface impacts at the Site.

3.1.6.11 2015 Parsons Groundwater Package

Imperial Oil retained O'Connor Associates Environmental Inc., a Parsons Company, to conduct groundwater monitoring and sampling in June 2015 at the previously installed and accessible monitoring wells on-Site. This Groundwater Monitoring and Sampling Data Package was completed in accordance with the following applicable standards at the time:

- MOECC Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (as amended).

- MOECC Table 3 Full depth generic site condition standards in a non-potable groundwater condition for industrial/commercial/community property use and medium and fine textured soils (amended 2011).

Groundwater from ten (10) monitoring wells (BH5, BH7, BH8, BH10, BH11, BH12, BH13, BH14, BH15, BH16) was sampled and submitted for laboratory analysis of BTEX, PHCs fractions F1 to F4, hexane and lead. The results of four (4) of the groundwater samples submitted for analysis (BH7, BH14, BH15 and BH16) satisfied the applicable Table 3 Standards for all parameters. The analytical results from seven (7) of the monitoring wells sampled (BH5, BH8, BH10, BH11, BH12 and BH13) were in exceedance of one or more of the parameters analyzed. All six (6) groundwater samples exceeded the Table 3 Standard for PHC fraction F1 and F2, except BH8 which only exceeded for PHC fraction F2. BH12 also exceeded the Table 3 Standards for PHC fraction F3, as well as benzene and xylenes.

Free product was not observed in any of the accessible monitoring wells during the field activities. Subsurface combustible vapour concentrations within the monitoring wells were measured between <5ppm (non-detectable) at BH7 and BH14, and 100% LEL at BH11, BH12 and BH13.

3.1.6.12 2016 WSP Groundwater Report

In 2016, Couche Tard Inc. retained WSP Canada Inc. to complete a limited groundwater monitoring and sampling program at the 1545 Woodroffe Avenue, Ottawa, Ontario prior to their potential purchase of the Site to investigate the condition of the groundwater. The scope of work included the advancement of eleven (11) boreholes (BH-301 to BH-311) followed by the installation of seven (7) monitoring well (BH-301, BH-302, BH-303, BH-305, BH-306, BH-308 and BH309) to investigate potential impacts throughout the Site. The Groundwater Report was completed in accordance with the following applicable standards at the time:

- MOE Guidance for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04 (as amended).
- MOE Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (amended July 1, 2011).
- MOE Table 3 Full Depth Generic Site Condition Standards in a non-potable groundwater condition for industrial/commercial/community property use and medium and fine textured soils (amended 2011).

Groundwater monitoring activities were conducted in April 2016, including the collection of subsurface combustible vapour readings, groundwater levels and field observations. The maximum subsurface vapour reading was 11,100 ppm in BH12. Free product was observed in BH12 measuring 50 mm in thickness and a sheen was observed on the surface of the purged groundwater in BH5. Groundwater flow direction was inferred to be in a northwest direction.

Based on the results of headspace vapour readings, observations of the presence or absence of free product or sheen and the condition of the monitoring wells, only five (5) on-Site monitoring wells (BH5, BH8, BH11, BH12 and BH13) were sampled and analyzed for VOCs (including BTEX) and PHCs fractions F1 to F4. Groundwater from three (3) of the monitoring wells proposed for sampling were not considered viable due to

various reasons, including excessive sand infiltration in BH10, a missing well cap on BH101 (off-Site) and the inaccessibility of BH102 (off-Site).

The results for all groundwater samples submitted for analysis significantly exceeded the applicable Table 3 Standards for PHC fractions F1 and F2. Additional exceedances for PHC fractions F3 in BH5, BH8 and BH12 and PHC fractions F4 in BH5, BH8 and BH13 were reported. The VOC analysis results for the groundwater sample from BH13 were in compliance with the applicable Table 3 Standard. Exceedance of total xylenes were reported in the groundwater samples collected from BH11 and BH12, tetrachloroethane (1, 1, 1, 2-) exceedances were reported in BH5 and BH8, Benzene exceedances were reported in BH5 and BH12 and additional exceedances of ethylbenzene and tetrachloroethane (1, 1, 2, 2-) were reported only in the sample collected from BH12. It is noted that the results from the majority of the VOC parameters analyzed for the groundwater sample collected from BH12 were inconclusive due to the laboratory minimum detection limits having been increased to concentrations greater than the applicable Table 3 Standards due to matrix interference requiring dilution prior to analysis. This 2016 WSP Groundwater Report indicates a potential deterioration of the groundwater conditions at the Site since the investigations in 2015.

3.1.6.13 2021 McIntosh Perry Groundwater Update

McIntosh Perry was retained Circle K – Central Canada Division to complete an Environmental Update and Summary of Groundwater Quality Testing at the Site in 2021 to assist in the City of Ottawa’s Site Plan Approval process. McIntosh Perry reviewed all the past reports outlined above, inspected all accessible monitoring wells and completed groundwater sampling at selected existing monitoring wells on-Site. Groundwater samples were submitted for laboratory analysis of benzene, toluene, ethylbenzene, and xylenes (BTEX) and petroleum hydrocarbons, fractions 1 through 4. The Groundwater Update was completed in accordance with the following applicable standards at the time:

- MECP Guidance for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04 (as amended).
- MECP Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (2011).
- Table 3 Full-Depth Generic Site Condition Standards for Industrial/Commercial/Community Land Use and Residential/Parkland/Institutional Land Use in a Non-Potable Groundwater Condition and medium-fine grained soil texture.

McIntosh Perry compared the results of the groundwater monitoring and sampling activities to the past reports, discussed above, and identified historical trends at each of the sampled monitoring wells. Contaminant concentrations at BH5 are described as consistent or slightly decreasing with the 2021 results indicating only a PHC fraction F1 exceedance. The results of the 2021 groundwater sampling of BH6 demonstrated exceedances in PHC fraction F1 to F4 but is noted as showing a generally decreasing trend over time in contaminant concentrations. Groundwater sampling results from BH8 are consistent with historical datasets, indicating exceedances in PHC fraction F1 to F4. Analytical results from BH11 in 2021 are also consistent with historical data, indication PHC fraction F1 to F3 exceedances. The results of the 2021 groundwater sampling of BH13 demonstrated an exceedance of the Table 3 Standard for only PHC fraction F1,

which is generally consistent with the historical data collected at this location. Contaminant concentrations in the groundwater of BH7, BH9, BH14 and BH15 have generally remained below laboratory detection limits and below Table 3 Standards throughout their sampling history, consistent with the 2021 sampling results.

Headspace vapour readings within the sampled monitoring wells were recorded between 0 ppm at BH13, and 610 ppm at BH8. The highest vapour readings were measured at the monitoring wells located northeast of the fuel pumps, tank nest and convenience store. It is noted that the combustible vapour concentrations in the sampled monitoring wells appear to have generally attenuated over time.

3.1.7 City Directories

A search of city directories for the Site and surrounding properties was requested from ERIS of Toronto, Ontario as part of this Phase I ESA. In a response dated July 23, 2021, ERIS indicated that city directories for the Site and surrounding area were not available due to the ongoing COVID-19 pandemic and restricted access to libraries.

3.2 Environmental Source Information

McIntosh Perry completed a records review to obtain information about the Site pertaining to items of actual and/or potential environmental concern.

3.2.1 Databases Searched

McIntosh Perry obtained information contained in the databases listed below from ERIS of Toronto, Ontario. Details about the sources of information and the years included for each database, as well as the pertinent information obtained from these databases are included in the ERIS report which is provided as Appendix B.

Federal Government Databases:

- Environmental Effects Monitoring.
- Environmental Issues Inventory System.
- Federal Convictions.
- Contaminated Sites on Federal Land.
- Fisheries & Oceans Fuel Tanks.
- Indian and Northern Affairs Fuel Tanks.
- National Analysis of Trends in Emergencies System.
- National Defense & Canadian Forces Fuel Tanks.
- National Defense & Canadian Forces Spills.
- National Defense & Canadian Forces Waste Disposal Sites.
- National Environmental Emergencies System.
- National PCB Inventory.
- National Pollutant Release Inventory.
- Parks Canada Fuel Storage Tanks.
- Transport Canada Fuel Storage Tanks.

Provincial Government Databases:

- Abandoned Aggregate Inventory.
- Aggregate Inventory.
- Abandoned Mines Information System.
- Certificates of Approval.
- Coal Gasification Plants.
- Compliance and Convictions.
- Drill Holes.
- Environmental Registry.
- Ontario Regulation 347 Waste Generators Summary.
- Mineral Occurrences.
- Non-Compliance Reports.
- Ontario Oil and Gas Wells.
- Ontario Inventory of PCB Storage Sites.
- Ministry Orders.
- Occurrence Reporting Information System.
- Pesticide Register.
- Private Fuel Storage Tanks.
- Ontario Regulation 347 Waste Receivers Summary.
- Record of Site Condition.
- Wastewater Discharger Registration Database.
- Waste Disposal Sites – MOE CA Inventory.
- Waste Disposal Sites – MOE 1991 Historical Approval Inventory.
- Water Well Information System.

Private Databases:

- Anderson's Waste Disposal Sites.
- Automobile Wrecking and Supplies.
- Commercial Fuel Oil Tanks.
- Chemical Register.
- ERIS Historical Searches.
- Canadian Mine Locations.
- Oil and Gas Wells.
- Canadian Pulp and Paper.
- Retail Fuel Storage Tanks.
- Scott's Manufacturing Directory.
- Anderson's Storage Tanks.

3.2.2 Database Findings Relevant to the Phase One ESA

The databases searched by ERIS contained the following information pertaining to the Site:

- Two (2) Certificates of Approval
- Eight (8) Delisted Fuel Tank records
- Three (3) ERIS Historical Searches
- Twelve (12) records on the List of Expired Fuels Safety Facilities
- Seventeen (17) Fuel Storage Tank records
- Two (2) Historic Fuel Storage Tank records
- Eleven (11) Ontario Regulation 347 Waste Generator Summary records
- One (1) TSSA Historic Incident record
- One (1) Fuel Oil Spills and Leaks record
- One (1) Private and Retail Fuel Storage Tanks record
- Four (4) Retail Fuel Storage Tanks records
- Three (3) Ontario Spills records
- Four (4) Water Well Information Systems records

Additionally, the databases searched by ERIS contained the following records pertaining to properties within the Phase One Study Area:

- Eight (8) Borehole records
- One (1) Certificates of Approval record
- One (1) Environmental Activity and Sector Registry record
- Thirteen (13) ERIS Historical Searches
- Twelve (12) Ontario Regulation 347 Waste Generator Summary records
- One (1) TSSA Historic Incident record
- Three (3) Pesticide Registry records
- Three (3) Pipeline Incident records
- Seven (7) Ontario Spills records
- Eleven (11) Water Well Information Systems records

Relevant information from the ERIS report is summarized in the following sections. A copy of the ERIS report is provided in Appendix B.

3.2.2.1 Borehole Records

Eight (8) Borehole records were found within the Phase One Study Area, none of which pertained to the Phase One Property. Borehole database records detail stratigraphy identified within the boreholes advanced in the Phase One Study Area. It is McIntosh Perry's opinion that the borehole records referenced in the ERIS report are not indicative of PCAs within the Phase One Study Area.

3.2.2.2 Certificates of Approval

Two (2) Certificates of Approval records were found for the Site and One (1) Certificates of Approval record was found within the Phase One Study Area. The Certificates of Approval records are summarized in the table below:

Certificate Number	Company	Location	Approval Type	Approval Year
8-4106-93	Imperial Oil Limited	Phase One Property	Industrial Air – Kitchen Exhaust fan for Tim Hortons	Cancelled
8-4106-93	Imperial Oil Limited	Phase One Property	Industrial Air – Kitchen Exhaust	1994
3-1443-98	Nepean City	Majestic Drive and Woodroffe Avenue	Municipal Sewage	1998

Based on the approval types provided for the properties listed above, it is McIntosh Perry’s opinion that the activities related to the Certificates of Approval granted to these properties are not PCAs and do not constitute APECs in relation to the Phase One Property.

3.2.2.3 Delisted Fuel Tanks

Eight (8) Delisted Fuel Tank records were listed for the Phase One Property, all of which were listed as expired up to March 2012 and described only as FS Piping associated with 1070443 Ontario Inc. – Woodroffe Tiger Express. The expired fuel tank records are consistent with other historical documentation pertaining to the Site’s past and current use as a retail fuel outlet and are not considered to represent additional PCAs and APECs in relation to the Phase One Property.

3.2.2.4 Environmental Activity and Sector Registry

One (1) Environmental Activity and Sector Registry record was identified within the Phase One Study Area. Laurent Leblanc Limited obtained a water taking approval in 2020 for construction dewatering purposes at the property located at 7 Pritchard Drive.

It is McIntosh Perry’s opinion that the Environmental Activity and Sector Registry record referenced in the ERIS report does not represent a PCA within the Phase One Study Area.

3.2.2.5 ERIS Historical Searches

Three (3) ERIS Historical Searches were identified for the Phase One Property and thirteen (13) ERIS Historical Searches were found within the Phase One Study Area. The ERIS Historical Search records for the Phase One Property are associated with the previous environmental reports described above in Section 3.1.6 of this report.

One (1) of the ERIS Historical Search records identified within the Phase One Study Area was basic report completed in 2006 for the property located at 1 Majestic Drive. The remaining twelve (12) ERIS Historical Search records within the Phase One Study Area were completed for the property listed as 5 Majestic Drive, located 200 m south of the Phase One Property. The records consisted of three (3) standard reports in 2019, one (1) custom report in 2016, One (1) custom report in 2009, four (4) custom reports in 2020 and one (1) custom report in 2018.

3.2.2.6 List of Expired Fuel Safety Facilities

The ERIS report identified twelve (12) records for the Phase One Property on the List of Expired Fuels Safety Facilities. The List of Expired Fuel Safety Facilities records are summarized in the table below:

Instance Number	Company	Description	Installation Date
10870900	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	2009
10870830	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	2009
10870917	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	2009
10870869	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	2009
10870852	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	2009
10870885	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	2009
11296299	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	1994
11296282	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	1994
11296315	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	1994
11296288	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	1994
11296308	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	1994
11296305	1070443 Ontario Inc. – Woodroffe Tiger Express	Underground liquid fuel storage tank	1994

The expired records described above are consistent with other historical documentation pertaining to the Site's past and current use as a retail fuel outlet and are not considered to represent additional APECs in relation to

the Phase One Property. It is noted from these records that the tanks removed in 2009 appear to have been installed in 1994.

3.2.2.7 Fuel Storage Tanks

Seventeen (17) Fuel Storage Tank records were identified in the ERIS report, all of which associated with the Phase One Property. The following table summarizes the Fuel Storage Tanks identified in the ERIS report:

Table 6: Fuel Storage Tanks							
Instance Number	Company	Description	Walls	Capacity	Material	Status	Installation Year
62960862	Mac's Convenience Stores Inc.	Diesel UST	Double	25000	Fiberglass	Active	2009
62960863	Mac's Convenience Stores Inc.	Gasoline UST	Double	50000	Fiberglass	Active	2009
62960861	Mac's Convenience Stores Inc.	Gasoline UST	Double	50000	Fiberglass	Active	2009
62960859	Mac's Convenience Stores Inc.	Gasoline UST	Double	50000	Fiberglass	Active	2009
10870869	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	22700	Steel	Unlisted	1981
10870852	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	13600	Steel	Unlisted	1981
9735974	1545 Woodroffe Avenue	Gasoline Station – Self Serve	-	-	-	Active	Unlisted
11296308	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	13600	Steel	Unlisted	1986
10870900	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	22700	Steel	Unlisted	1981
11296305	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	22700	Steel	Unlisted	1986
11296282	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	22700	Steel	Unlisted	1986

Table 6: Fuel Storage Tanks							
Instance Number	Company	Description	Walls	Capacity	Material	Status	Installation Year
10870885	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	22700	Steel	Unlisted	1981
10870917	1070443 Ontario Inc. – Woodroffe Tiger Express	Diesel UST	Single	22700	Steel	Unlisted	1981
11296315	1070443 Ontario Inc. – Woodroffe Tiger Express	Diesel UST	Single	13600	Steel	Unlisted	1986
10870830	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	13600	Steel	Unlisted	1981
11296299	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	22700	Steel	Unlisted	1986
11296288	1070443 Ontario Inc. – Woodroffe Tiger Express	Gasoline UST	Single	22700	Steel	Unlisted	1986

The records described above are consistent with other historical documentation pertaining to the Site’s past and current use as a retail fuel outlet and are not considered to represent additional PCAs or APECs in relation to the Phase One Property.

3.2.2.8 Fuel Storage Tanks (Historic)

Two (2) Historic Fuel Storage Tank records were found for the Phase One Property. These historic fuel storage tank records reiterate the information summarized above in Table 7 – Fuel Storage Tanks for the tanks installed in 1981 and 1986.

3.2.2.9 Ontario Regulation 347 Waste Generators

Eleven (11) Ontario Regulation 347 Waste Generator records were identified for the Phase One Property and Twelve (12) Ontario Regulation 347 Waste Generator records were found within the Phase One Study Area. These records are summarized in the table below:

Table 7: Ontario Regulation 347 Waste Generators				
Company	Location	Waste Generator Number	Waste Description	Approval Years
Imperial Oil	Phase One Property	ON7721580	Light fuels, oil skimmings and sludges	2009
Imperial Oil	Phase One Property	ON7721580	Light fuels, oil skimmings and sludges, waste oils and lubricants	2010
Imperial Oil	Phase One Property	ON7721580	Light fuels, oil skimmings and sludges, waste oils and lubricants	2011
Imperial Oil	Phase One Property	ON7721580	Light fuels, oil skimmings and sludges, waste oils and lubricants	2012
Imperial Oil	Phase One Property	ON7721580	Light fuels, oil skimmings and sludges, waste oils and lubricants	2013
Imperial Oil	Phase One Property	ON5205239	Light fuels	2016
Mac's Convenience Stores Inc.	Phase One Property	ON7303833	Light fuels	2016
Imperial Oil	Phase One Property	ON7721580	Light fuels, oil skimmings and sludges, waste oils and lubricants	2015
Imperial Oil	Phase One Property	ON7721580	Light fuels, oil skimmings and sludges, waste oils and lubricants	2014
Mac's Convenience Stores Inc.	Phase One Property	ON6772902	Light fuels	2020
Mac's Convenience Stores Inc.	Phase One Property	ON6772902	Light fuels	2021
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, aliphatic solvents, paints/pigments/coating residues	2005 - 2008
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, paints/pigments/coating residues	2009
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, paints/pigments/coating residues	2009
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants	2011
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, paints/pigments/coating residues	2012
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, paints/pigments/coating residues, light fuels	2013

Table 7: Ontario Regulation 347 Waste Generators

Company	Location	Waste Generator Number	Waste Description	Approval Years
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, paints/pigments/coating residues, light fuels	2015
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, paints/pigments/coating residues, light fuels	2016
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Waste oils and lubricants, paints/pigments/coating residues, light fuels	2014
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Wastes from the use of pigments, coatings and paints, and light fuels	2018
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Wastes from the use of pigments, coatings and paints, and light fuels	2020
Carling Realty Company Limited	72G Brockington Crescent	ON3971729	Wastes from the use of pigments, coatings and paints, and light fuels	2021

Waste generator records by themselves do not necessarily pose a concern to the Site or represent PCAs per O.Reg. 153/04. Waste generator records for the Phase One Property are consistent with the known past and current use of the Site as a retail fuel outlet and do not constitute additional APECs.

All off-Site waste generator records were identified at a residential property located 120 m north of the Site at 72G Brockington Crescent. Based on the separation distance and down-gradient location of 72G Brockington Crescent with respect to the Site, this property is not considered to represent an environmental concern to the Phase One Property.

3.2.2.10 TSSA Historic Incidents

One (1) TSSA Historic Incident record was identified for the Phase One Property in 2008, under the ownership of Imperial Oil. The TSSA Historic Incident was described as a near-miss occurrence related to the discovery of a petroleum product, specifically identified as gasoline. The status of the incident is listed as completed with no action required. No further information pertaining to the type of occurrence was provided in the record.

One (1) TSSA Historic Incident record was identified for the Phase One Study Area in 2008 at the private dwelling located at 72G Brockington Crescent. The TSSA Historic Incident was described as a natural gas release due to human error, specifically identified as carbon monoxide. The status of the incident is listed as completed after a casual analysis and no property damage was reported. Due to the nature of this off-Site record and the separation distance from the Site, the incident is not considered to be a PCA and does not constitute an APEC in relation to the Phase One Property.

3.2.2.11 Fuel Oil Spills and Leaks

One (1) Fuel Oil Spills and Leaks record was identified for the Phase One Property. The record lists the owner of the Site as Mac's Convenience Stores Inc. at the time of the incident in 2011. No further information pertaining to the type of occurrence was provided in the record. This record is not expected to result in an additional environmental concern to the Site.

3.2.2.12 Pesticide Registry

Three (3) Pesticide Registry records were identified within the Phase One Study Area, all for the residential property located at 21 Sovereign Avenue, approximately 280 m west northwest of the Site. The records describe a legacy operator licence, numbers as 09044, 08877 and 10281. No further information was provided in the record.

Due to the nature of the records, the limited information available, and the separation distance from the Site, these Pesticide Registry records are not considered to be environmental concerns to the Site.

3.2.2.13 Pipeline Incidents

Three (3) Pipeline Incidents were found within the Phase One Study Area, none of which pertained to the Phase One Property. The first record was described as pipeline damage with an established reason at the residential property located at 8 Garrick Court, approximately 190 m northeast of the Site and situated hydraulically downgradient. The record indicated that a ½" pipeline was hit on November 10, 2017 with no environmental impacts reported. No further information was provided in the record.

The second record was listed at 9 Beechcliffe Street, approximately 230 m west and situated hydraulically cross-gradient from the Phase One Property. The record indicated that a pipeline was hit on October 24, 2012 with no environmental impacts reported. No further information was provided in the record.

The third record was listed at 3 Strathearn Court, approximately 240 m east and situated hydraulically cross-gradient from the Phase One Property. The record indicated that a ½" pipeline was hit on August 9, 2018 with no environmental impacts reported. No further information was provided in the record.

Due to the nature of the records, the limited information available and the separation distance from the Phase One Property, the above noted off-Site pipeline incidents are not considered to be environmental concerns to the Site.

3.2.2.14 Private and Retail Fuel Storage Tanks

One (1) Private and Retail Fuel Storage Tanks was identified for the Phase One Property. The record describes a licenced retail fuel outlet with tank capacity totalling 118,000 L expiring in 1995. The owner of the Phase One Property is listed as 1070427 Ontario Ltd., Woodroffe Esso. This record for the Phase One Property is consistent with the known past use of the Site as a retail fuel outlet and does not constitute an additional APEC.

3.2.2.15 Retail Fuel Storage Tanks

Four (4) Retail Fuel Storage Tank records were identified for the Phase One Property. The records, under Esso Tiger Express and Esso Gas Station, are described as pertaining to gasoline, oil & natural gas at a service station with code number 1186800. This record for the Phase One Property is consistent with the known past and current use of the Site as a retail fuel outlet and does not constitute an additional APEC.

3.2.2.16 Ontario Spills

Three (3) Ontario Spills records were identified for the Site and seven (7) were located within the Phase One Study Area. These records are summarized in the table below:

Table 8: Ontario Spills

Company	Address	Spill Description	Environmental Impact	Incident Date
Queensway Tank Lines	Phase One Property	4 L of gasoline to pavement	Not anticipated	2013
Service Station	Phase One Property	Leak of gasoline from UST to groundwater	Not anticipated – groundwater pollution	2008
Imperial Oil Limited	Phase One Property	0.25 L gasoline to groundwater wells	Not Anticipated – groundwater pollution	2011
Not Listed	Intersection of Knoxdale and Woodroffe	Motor vehicle accident – coolant to catch basin	Not Anticipated	2019
PUC	Intersection of Knoxdale and Woodroffe	Motor vehicle accident – 100 L hydraulic fluid to road	Possible – soil contamination	1990
Enbridge Gas Distribution Inc.	292 Dalehurst Drive	Natural gas (methane) line damage	Not anticipated – air release	2019
Enbridge Gas Distribution Inc.	8 Garrick Court	Natural gas (methane) line damage	Not anticipated – air release	2017
CH2M HILL Canada Limited	5 Majestic Drive	Hydraulic oil spill to land	Land and surface water impacted	2015
Enbridge Gas Distribution Inc.	3 Strathearn Court	Natural gas (methane) line damage	Not anticipated – air release	2018
Unknown	Intersection of Majestic Drive and Woodroffe	Motor vehicle accident – 8 L gasoline and antifreeze to road	Land impacted	1988

The on-Site Ontario Spills records are consistent with the known past and current use of the Site as a retail fuel outlet and do not constitute an additional APEC. The off-Site Ontario Spills recorded at the intersection of Woodroffe Avenue and Knoxdale Road caused by motor vehicle accidents represent a PCA to the Site due to the close proximity of the intersection to the Site. However, this off-Site PCA does not represent an APEC to

the Site due to the nature of the spills and the down-gradient position of the intersection with respect to the Phase One Property.

With respect to the remainder of the off-Site Ontario Spills records, given the types of materials released (i.e., methane), the volume of material released, and the distances of the above-mentioned properties from the Site, it is McIntosh Perry’s opinion that these spills do not represent APECs in relation to the Phase One Property.

3.2.2.17 Water Well Information System

Six (6) Water Well Information System (WWIS) records were identified for the Phase One Property (bolded) and nine (9) were found within the Phase One Study Area. The details of the WWIS records are summarized in the table below.

Table 9: Water Well Information System				
Well ID	Completion Material	Depth to Bedrock (mbgs)	Well Depth (mbgs)	Well Use and Description
7176824	Silt	-	6.1	Three (3) Monitoring Wells (BH10, BH13, BH14)
7122580	Sand	-	4.3 - 6.1	Seven (7) Monitoring Wells (BH1 - BH7)
7129173	Sand	-	4.3 - 6.1	Abandonment of four (4) Monitoring Wells (BH1 - BH4)
7191213	Sand	-	5.1	Monitoring Well (BH16)
7239267	No Information Provided			
7191214	Sand	-	5.2	Monitoring Well (BH202)
7146133	Sand	-	6.1	Monitoring Well (BH102)
7146132	Sand	-	4.1 - 6.1	Five (5) Monitoring Wells (BH8 - BH12)
7191212	Sand and silt	-	6.1	Monitoring Well (BH201)
7158263	Sand and silt	-	6.1	Monitoring Well (BH104)
7141308	Sand	-	7.3	Monitoring Well
7150709	Sand	-	6	Monitoring Well
7246346	Sand	-	4.7	Monitoring Well
7145546	Sand and cobbles	-	7.6	Test Hole
1506021	Limestone	22 (sandstone at 39)	40	Water Supply – Industrial Cement Plant

It is of McIntosh Perry's opinion that the above-mentioned monitoring wells are not a PCA and do not represent an APEC in relation to the Site.

3.2.3 MECP Freedom of Information Request

In order to identify any previous environmental reports concerning the Site, a MECP Freedom of Information (FOI) request was submitted for the Site by McIntosh Perry, on July 20, 2021.

At the time of writing this report, McIntosh Perry had not yet received a response to the FOI request from the MECP. When a response is received it will be reported under a separate cover if relevant information is obtained. The information provided in the MECP FOI response may affect the findings of this Phase I ESA.

A copy of McIntosh Perry's request submitted to the MECP is included in Appendix C.

Additionally, McIntosh Perry performed a search of all records for the Phase One Property and the Phase One Study Area made available through the MECP Access Environment and the Government of Ontario's Open Data Catalogue.

The following databases were searched through the MECP Access Environment and the Government of Ontario's Open Data Catalogue:

- Environmental Compliance Approvals (ECA)
- Renewable Energy Approvals (REA)
- Environmental Activity and Sector Registry (EASR).
- Records of Site Conditions (RSC)
- Large landfill sites
- Small landfill sites
- Pesticide Licenses
- Permits to Take Water (PTTW)

Relevant information from the MECP Access Environment and the Government of Ontario's Open Data Catalogue search is summarized in the following sections.

3.2.3.1 Environmental Compliance Approvals

One (1) ECA record was identified for the private residence located at 1740 Woodroffe Avenue, approximately 650 m south of the Phase One Property. The ECA (air), obtained by the Ottawa Biotechnology Incubation Centre in July 2001, approved the installation and operation of ten (10) fume hoods serving a research laboratory, one (1) standby diesel fired generator and two (2) roof top mounted air heating and cooling units.

3.2.3.2 Environmental Activity and Sector Registry

One (1) Environmental Activity and Sector Registry (EASR) record was identified for the private residence located at 7 Pritchard Drive, approximately 250 m southwest of the Phase One Property. The EASR, obtained by Laurent Leblanc Limited in July 2020, permitted the taking of water for dewatering a construction site as prescribed in O. Reg. 63/16.

Due to the nature of these off-Site records and the separation distances from the Site, the ECA and EASR listed above are not considered to be environmental concerns to the Site. The MECP Access Environment and the Government of Ontario's Open Data Catalogue searches did not identify any records for the Phase One Property.

3.2.4 TSSA Information Request

A request for information regarding fuel tanks at the Site was submitted to the TSSA. A response was received on July 20, 2021, which indicated that there are eighteen (18) records (twelve (12) expired and six (6) active) in the TSSA database of fuel storage tanks on-Site.

The twelve (12) expired TSSA records are all for liquid fuel tanks presumably associated with the aforementioned historical property use as a retail fuel outlet and automotive servicing garage. Four (4) of the active TSSA records for liquid fuel tanks pertain to the gasoline (3x 50,000 L USTs) and diesel (1x 25,000 L UST) tanks previously identified in the southwest portion of the Phase One Property, south of the retail fuel outlet and fuel pumps. The Site was also listed as having one (1) active self service gasoline station record associated with the retail fuel outlet operating on-Site, currently an Esso service station with four (4) self-serve gasoline pumps and one (1) self-serve diesel pump.

Additionally, there is one (1) active record for a cylinder exchange at the Site. This record pertains to the propane cylinder exchange service observed operating at the Site. Portable propane cylinders (18 L) were observed stored in a metal locker at the front entrance of the retail fuel outlet, along the exterior of the south elevation during the Site reconnaissance.

A request for further information regarding these records was submitted to the TSSA on July 20, 2021.

A copy of McIntosh Perry's correspondence with the TSSA is provided in Appendix C.

3.2.5 Historic Land Use Inventory Request

A request for information from the Historic Land Use Inventory (HLUI) records was completed on July 21, 2021. At the time of writing the report, no records had been made available to McIntosh Perry. When the response is received, it will be reviewed by McIntosh Perry and any relevant information will be provided under a separate cover. The information provided in the HLUI request may affect the findings of this Phase One ESA.

A copy of McIntosh Perry's HLUI application is provided in Appendix C.

4.0 PHYSICAL SETTING

4.1 Aerial Photographs and Satellite Images

Aerial photographs for the years 1943, 1953, 1976 and 1989 were obtained from ERIS of Toronto, Ontario and reviewed by McIntosh Perry. Additionally, Aerial Photographs from the GeoOttawa Interactive Map database for the years 1965, 1999, 2008 and 2019 were reviewed by McIntosh Perry. Observations about current and historical land use for the Site and surrounding properties are noted in the table below:

Date	Site	Surrounding Properties
1943 - 1953	The Site appeared to be undeveloped with inferred agricultural or forested lands.	<p>North – The surrounding properties to the north appear undeveloped with inferred agricultural lands. An unknown rural road running generally east to west is present immediately north of the Site and the CN rail line is visible in its present-day location and orientation.</p> <p>South – The surrounding properties to the south appear undeveloped with inferred agricultural lands.</p> <p>West – The surrounding properties to the west appear undeveloped with inferred agricultural lands. Immediately west of the Site is a road similar in location and orientation to present-day Woodroffe Avenue with an intersecting road similar in location and orientation to present-day Knoxdale Road.</p> <p>East – The surrounding properties to the east appear undeveloped with inferred agricultural and forested lands.</p>

Table 10: Aerial Photograph Review		
Date	Site	Surrounding Properties
1965 - 1989	The property appears to be developed with a commercial building and parking area in a similar location to the present-day retail fuel outlet by 1965. The north and east portions of the Phase One Property appear to have been cleared of vegetation for use as additional parking and potential further development.	<p>North – The residential building development and associated road networks north of the CN rail line and east of Woodroffe Avenue appears to be undergoing construction in 1965 and have grown to a size and configuration similar to current conditions by 1976. The unknown rural road immediately north of the Site appears to have been left unmaintained and overgrown with vegetation until residential buildings are developed over the location by 1989. There remain some undeveloped vegetated and forested lands in similar locations to present-day.</p> <p>South – The residential building development south of Knoxdale Road appears to be under construction in 1965 and has grown to a size and configuration similar to current conditions by 1989.</p> <p>West – The residential building development north of Knoxdale Road, including road networks, appears to be undergoing the early stages of construction in 1976 and has grown to a size and configuration similar to current conditions by 1989.</p> <p>East – The surrounding properties to the east appear undeveloped with inferred agricultural and forested lands until 1976. By 1989, the residential building development south of the CN rail line, including road networks, has been developed to a size and configuration similar to current conditions.</p>
1999 - 2019	The Site Buildings, including the commercial building in the northeast corner (Tim Horton's), the car wash and the retail fuel outlet, appear in their current configuration along with asphalt parking areas and landscaping along the north, west and south perimeters in 1999 with no significant changes observed through to 2019.	<p>North – No new observations noted.</p> <p>South – No new observations noted.</p> <p>West – No new observations noted.</p> <p>East – No new observations noted.</p>

Based on McIntosh Perry's review of the above-noted aerial photographs and satellite imagery nothing additional was identified that represents a potential environmental concern with respect to the Phase One Property.

The aerial photographs are included in Appendix D.

4.2 Topography

Elevation at the Site ranges from approximately 86 m above mean sea level. The topography is generally flat, with a slight slope in a northern direction (see Figure 4).

4.3 Hydrology

The Site occurs within the Lower Ottawa River watershed which is a secondary watershed of the Great Lakes - St. Lawrence River watershed. The Ottawa River is located approximately 5.1 kilometres (km) north of the Site, at its closest point. The Rideau River, a tributary of the Ottawa River, is located approximately 4.4 kilometres (km) east of the Site, at its closest point.

Site drainage consists primarily of sheet flow to on-Site catch basins and municipal storm drains along Woodroffe Avenue. Interior roof drains convey stormwater from the Site Buildings directly into the municipal stormwater sewer system. On-site infiltration of water is interpreted to occur in areas of permeable ground surface.

4.4 Geology

4.4.1 Surficial Geology

McIntosh Perry obtained a Surficial Geology Report for the Site and the surrounding area from ERIS of Toronto, Ontario. The ERIS Surficial Geology Report, as well as additional details about the source of information and the surficial geological units found within 2000 m of the Phase One Property are included in Appendix B.

The ERIS Surficial Geology Report, utilizing data from the Ontario Geological Survey (2010), classifies the overburden at the Site as highly permeable organic deposits consisting primarily of peat and muck in wetlands classified as bogs, swamps and poorly drained areas. Additionally, the Phase One Property is located within the Ottawa Valley Clay Plains, according to physiological data provided by ERIS of Toronto, Ontario

4.4.2 Bedrock Geology

McIntosh Perry obtained a Bedrock Geology Report for the Site and the surrounding area from ERIS of Toronto, Ontario. The ERIS Bedrock Geology Report, as well as additional details about the source of information and the bedrock found within 2000 m of the Phase One Property are included in Appendix B.

The ERIS Bedrock Geology Report, utilizing data from the Ontario Geological Survey (2010), classifies the bedrock under the Site and surrounding area as predominantly Lower Ordovician dolostone and sandstone of the Beekmantown Group.

4.5 Hydrogeology

The Site occurs within the Lower Ottawa River watershed which is a secondary watershed of the Great Lakes - St. Lawrence River watershed. The site is located between the Ottawa River and one of its tributaries, the Rideau River, which flows north into the Ottawa River. On a local and regional scale groundwater is inferred to flow generally north towards the Ottawa River.

4.6 Fill Material

Fill material of unknown origin and unknown quality, generally described as comprised of sand and gravel, has been reported in past environmental reports and the associated borehole logs and observations. The fill material of unknown origin throughout the Site represents an APEC in relation to the Phase One Property.

4.7 Water Bodies and Areas of Natural Significance

No waterbodies are located within the Phase One Study Area. The closest permanent water bodies to the Site are the Rideau and Ottawa Rivers, which are located approximately 4.4 km east and 5.1 km north of the Phase One Property, respectively. Additionally, a tributary of the Rideau River, Nepean Creek, is located approximately 2.1 km northeast of the Site.

When completing a Phase One ESA, considerations were made for the following Ministry of Natural Resources (MNRF) maintained areas of natural significance:

- Areas of Natural and Scientific Interest
- Provincially Significant Wetlands
- Wildlife Management Areas

The Phase One Property and Phase One Study Area were not determined to be located within an MNRF-maintained area of natural significance for the purposes of O. Reg. 153/04 (as amended). The Phase One Property and Phase One Study Area were also not determined to be located within any of the following areas identified in the City of Ottawa Official Plan:

- Natural Heritage Network
- Environmentally Sensitive Areas and Areas of Natural and Scientific Interest
- Oak Ridges Moraine Conservation Plan and Greenbelt Plan
- Landform Conservation Areas
- Special Policy Areas
- Wellhead Protection Areas

4.8 Well Records

Water well records were searched as a component of the ERIS report. Well records for the monitoring wells installed as part of the previous environmental reports for the Phase One Property, summarized in Section 3.1.6, were among the search results. Several other monitoring well records were encountered within the Phase One Study Area. One (1) industrial water well record was identified and no potable drinking water wells were encountered as the Site and Phase One Study Area are municipally serviced.

4.9 Site Operating Records

Site operating records were not available for the Site.

4.10 Enhanced Investigation Property

The Phase One ESA property is considered an 'enhanced investigation property' as defined by O.Reg. 153/04 (as amended), as the Site is currently used as a bulk liquid fuel dispensing facility.

Accordingly, the following requirements were reviewed:

- Operations at the property, including processing or manufacturing – not applicable
- Hazardous materials used or stored at the phase one property – gasoline and diesel USTs located within tank nest, south of the fuel pumps
- Products manufactured at the phase one property – not applicable
- By-products and wastes at the phase one property – only municipal wastes
- Raw materials handling and storage locations at the phase one property – not applicable
- Location and contents of drums, totes and bins at the phase one property – drums containing commercial cleaning supplies are stored in the car wash building
- Details of all oil/water separators at the phase one property including for each separator the location, installation date, source of incoming liquid and effluent discharge location – oil/grit separator located at the car wash and discharge to municipal sewers
- All vehicle and equipment maintenance areas, including the locations of maintenance, fluid storage, and waste storage areas – No vehicle or equipment maintenance observed on-Site, fluid storage is limited to the previously described USTs and commercial cleaners, municipal waste is stored in a metal dumpster enclosed within a fence, located north of the car wash
- Details of all spills including the dates, locations, materials involved, and volumes of material spilled – known spills are detailed above in Section 3.2, Table 8: Ontario Spills
- Details of liquid discharge points such as water and French drains, including their locations – floor drains observed in car wash discharge to the City of Ottawa sewer system.
- Details of all hydraulic lift equipment at the property, including elevators, in-ground hoists and loading docks – not applicable

5.0 SITE RECONNAISSANCE

The objectives of the site reconnaissance were as follows:

- To identify potential environmental concerns associated with current and past uses of the Site.
- To identify PCAs on, in, or under the Site.
- To identify, as practical, current and past uses, activities, and PCAs in the vicinity of the Site.
- To identify details of potential contaminant pathways on, in, or under the Site and potential environmental concerns and contaminants of potential concern.

McIntosh Perry had open and ready access to all interior and exterior areas of the Site during the site visit.

5.1 General Requirements

McIntosh Perry conducted the Site reconnaissance on July 30, 2021 (between approximately 1:00 pm to 1:45 pm). Dan Arnott of McIntosh Perry inspected all areas of the Site and observed other properties in the Phase One Study Area from publicly accessible locations.

5.1.1 Qualifications of the Assessors

Research and reporting were undertaken by Stacey Johnston, GIT of McIntosh Perry. Stacey is an Environmental Scientist with McIntosh Perry, a registered Geoscientist-in-Training (GIT) with Professional Geoscientists Ontario and holds an Honours Bachelor of Science in Environmental Geoscience. Stacey and Kristin have conducted a number of Phase I/One and II/Two ESAs for residential, commercial, and industrial properties across Ontario.

Site Reconnaissance and senior review were undertaken by Dan Arnott, P.Eng. Dan is a licensed professional engineer in Ontario and a Qualified Person (QP) under O. Reg. 153/04, as amended, and has completed numerous of Phase I/One and II/Two ESAs, remediation programs and environmental peer reviews in connection with properties across Ontario.

McIntosh Perry is licensed to practice engineering and geoscience in the Province of Ontario. McIntosh Perry holds Certificates of Authorization with Professional Engineers Ontario (PEO) and Professional Geoscientists Ontario (PGO) and is a full member of the Association of Consulting Engineering Companies (ACEC), Ontario.

5.1.2 Weather Conditions at Time of Inspection

Weather conditions at the time of the Site visit were sunny with a light wind from the east and a temperature of approximately 20 degrees Celsius.

5.1.3 Interview

No one with knowledge of the site was available to interview at the time of the Site visit.

5.1.4 Property Occupancy/Use Status at Time of Inspection

The Phase One Property is currently used for commercial purposes and is developed with an active, single-storey, retail fuel outlet and detached car wash, as well as a vacant single-storey commercial building formerly occupied by a Tim Horton's restaurant.

5.1.5 Site Photographs

Photographs of the Site are included in Appendix E. A brief description is included with each photograph, including location and orientation where applicable.

5.2 Description of Investigations

The Phase One ESA component of the current investigation is a preliminary environmental screening that aims to provide a qualitative assessment of the environmental condition of the Site based on a review of available information pertaining to the Site, observations made during a Site visit, and information from interviews with people who have knowledge of the Site and its history.

The Phase One portion of the current investigation includes the following components:

- A review of available background information.
- Interviews with person(s) knowledgeable about the Phase One Property.
- Site reconnaissance.
- Freedom of information requests (MECP and TSSA).

5.2.1 Phase One Property

The complete exterior and partial interior inspections of the Site were conducted on July 30, 2021. Selected photographs are included in Appendix E. Access was not available to the vacant commercial building formerly occupied by Tim Hortons.

The Phase One Property is currently developed with an active, single-storey convenience store and retail fuel outlet, car wash and a vacant single-storey commercial building formerly occupied by a Tim Horton's restaurant.

5.2.2 Phase One Study Area

The Phase One Study Area includes the Phase One Property and all properties within 300 m of the Phase One Property. Properties located within the Phase One Study Area primarily consists of residential developments. No PCAs were observed within the Phase One Study Area during the Site reconnaissance.

5.3 Specific Observations at the Phase One Property

5.3.1 Structures and Other Improvements

The Phase One Property is currently occupied by a single-storey active retail fuel outlet and car wash, and a vacant commercial building formerly used as a Tim Horton's restaurant. No other structures or improvements are present on the Site.

5.3.2 Below Ground Structures

A tank nest consisting of four (4) USTs was observed in the parking area south of the fuel pumps and catch basins were observed throughout the parking area. No other below ground structures were encountered at the Site. The commercial building formerly occupied by the Tim Horton's restaurant was not accessible at the time of the Site Reconnaissance.

5.3.3 Storage Tanks

McIntosh Perry observed evidence of four (4) USTs located in the parking area, south of the fuel pumps. All USTs are reportedly fiberglass, three (3) of which contain gasoline (two (2) regular and one (1) supreme) with a capacity of 50,000 L and one (1) UST contains diesel with a capacity of 25,000 L. Based on the 2009 O'Connor Fuel Distribution Report, the USTs were installed in 2009 after the removal of seven (7) USTs, including five (5) gasoline USTs (2x 13,600L and 3x 22,700 L), one (1) diesel UST (13,600 L) and one (1) 2,273 L UST presumed to be used for furnace oil.

No aboveground storage tanks (ASTs) were observed during the time of the Site visit.

5.3.4 Hazardous Materials

Hazardous materials were observed stored on-Site during the Site reconnaissance. The chemicals observed were generally limited to products which are commercially available automotive products such as fuel treatments, antifreeze, lubrication oils, windshield washer fluid and other commercially available cleaning solutions.

5.3.5 Potable and Non-Potable Water Sources

The Site is serviced by the City of Ottawa municipal water distribution system. No potable water wells were encountered on-Site or within the Phase One Study Area.

5.3.6 Underground Service Trenches

Underground service trenches for water and storm/sanitary sewer are interpreted to run south to north, along Woodroffe Avenue. A gas line, apparently present underground, appears to have been historically connected to the commercial building formerly occupied by Tim Horton's and is currently connected to the retail fuel outlet and car wash. Aboveground electrical and telephone service lines, observed along Woodroffe Avenue and Medhurst Drive, are presumed to connect to the on-Site buildings underground through the parking areas.

5.3.7 Exit and Entry Points

All exit and entry points to the Site were inspected. No concerns were identified.

5.3.8 Existing and Former Heating Systems

The Site is currently heated by a roof-mounted natural gas-fired HVAC system. No additional information regarding former heat sources was identified during the site visit. However, it is noted that a 2,273 L UST, presumed to be used for furnace oil, was reportedly identified and removed during the 2009 UST replacement activities, according to the 2009 O'Connor Fuel Distribution Report.

5.3.9 Cooling Systems

The convenience store building and car wash are currently heated/cooled by roof-mounted natural gas-fired HVAC systems.

5.3.10 Drains, Pits, and Sumps

No drains, pits or sumps were observed within the retail fuel outlet building. Floor drains, discharging to the municipal sewer system, were observed in the car wash.

5.3.11 Unidentified Substances

No unidentified substances were observed at the Site.

5.3.12 Stains and/or Corrosion Near Drains, Pits, and Sumps

No staining or corrosion was observed near the drains at the Site.

5.3.13 Well Details

Table 11: Monitoring Well Details	
BH ID	Condition (March 17, 2021)
BH1 (BH-1)	Abandoned in 2008 (Table 9: Water Well Information System Records)
BH2 (BH-2)	Abandoned in 2008 (Table 9: Water Well Information System Records)
BH3 (BH-3)	Abandoned in 2008 (Table 9: Water Well Information System Records)
BH4 (BH-4)	Abandoned in 2008 (Table 9: Water Well Information System Records)
BH5 (BH-5)	Casing in good condition
BH6 (BH-6)	Casing in good condition but full of frozen bentonite; J-plug loose
BH7 (BH-7)	Casing and well in good condition
BH8 (BH-8)	Casing and well in good condition

Table 11: Monitoring Well Details	
BH ID	Condition (March 17, 2021)
BH9 (BH-9)	Casing and well in good condition
BH10 (BH-10)	Casing openable but well filled with bentonite
BH11 (BH-11)	Casing and well in good condition
BH12 (BH-12)	Casing in good condition; J-plug loose, bentonite frozen
BH13 (BH-13)	Casing and well in good condition
BH14 (BH-14)	Could not locate initially (under pile of snow). Found in good condition during sampling event
BH15 (BH-15)	Casing and well in good condition
BH16 (BH-16)	Destroyed

The monitoring well conditions summarized in the above table are based on McIntosh Perry’s observations in March 2021. On-Site monitoring wells were inspected as part of the 2021 McIntosh Perry Groundwater Update, summarized above in Section 3.6.1. The conditions of the monitoring wells observed on-Site during the Phase One ESA Site Reconnaissance were generally consistent with the reported conditions of the monitoring wells in March 2021. However, it is noted that a thorough monitoring well inspection (i.e. opening casings, taking water level/interface probe readings) was not completed as part of this Phase One ESA.

5.3.14 Details of Sewage Works

The Site is serviced by the City of Ottawa sanitary sewer system. No private sewage systems are present on-Site.

5.3.15 Ground Surface Details

The ground surfaces of the Site consist of paved asphalt surfaces with some permeable vegetated surfaces along the perimeter.

5.3.16 Current and Former Railway Lines

No current or former railway lines were encountered at the Site or adjacent properties. The CN rail line was observed approximately 200 m north of the Site.

5.3.17 Staining to Soil, Vegetation, or Pavement

No staining to the soil, vegetation or pavement was identified at the time of the Site visit.

5.3.18 Stressed Vegetation

No vegetation, stressed or otherwise, were observed at the Site.

5.3.19 Fill and Debris

No areas of fill placement were observed at the Site. However, it is noted that fill material of unknown quality has been reported in previous environmental investigations and the associated borehole logs, as summarized above in Section 3.1.6.

5.3.20 Mould

No mould-like substances were observed during the Site reconnaissance.

5.3.21 Special Attention Substances

5.3.21.1 Asbestos-Containing Materials

Asbestos was used during the period from 1945 to 1978 in flooring tiles, ceiling tiles, exterior shingles, roofing, insulation for electrical and heating systems and other construction materials. Asbestos containing materials (ACMs) can be found in building materials as either friable (easily crumbled) or non-friable. Friable ACMs can be separated from the material in which they are contained and are commonly found in boiler and pipe insulation. Non-friable asbestos refers to asbestos which is contained within a binding agent and is typically found in roofing tars, floor and ceiling tiles, drywall joint compound, window caulking and asbestos cement. ACMs pose health risks when they are friable. The use of ACMs was almost entirely discontinued in Canada by the early 1980s, although ACMs can still be found in recently constructed buildings.

Based on the approximate age of the Site Buildings (circa 1990), it is unlikely for ACMs to be present within the Site Building.

Consideration should be given to conducting a Designated Substance Survey (DSS) prior to any planned renovation or demolition at the Site.

5.3.21.2 Ozone Depleting Substances

Certain chemicals such as chlorofluorocarbons, hydrochlorofluorocarbons and halons are recognized as ODSs because they breakdown in the stratosphere and release chlorine or bromine, which destroy the stratospheric ozone layer. ODSs are used mainly as coolants in refrigerant and air-conditioning equipment and as blowing agents in foam-product manufacturing. The release of ODSs from cooling equipment can be caused by leaks as well as during installation and servicing.

A roof-mounted natural gas-fired HVAC system and refrigeration equipment were observed at the Site. The roof was not accessed as part of this Phase One ESA and thorough inspection of refrigeration equipment was not performed. All refrigerators observed were in good condition, but it is noted that they may contain ODSs.

5.3.21.3 Lead

Lead was a common additive in exterior and hard-wearing paint applications. Lead was widely used to prolong shelf life of paint and to increase its flexibility and durability to wear and weather, during the period from the

early 1900s to the late 1970s. Lead is also known to have been used in solder on copper plumbing fixtures and in lead conduit pipes. Lead dust or chips could be a concern for exposure through ingestion or inhalation.

The lead content in interior paint was not controlled until 1976, when the federal Hazardous Products Act limited its use to 0.5% by weight (5,000 parts per million (ppm)). The Surface Coating Materials Regulations came into effect in 2005 with amendments made to certain parts of the Hazardous Products Act (SOR/2016 - 93). As such, the previous acceptable level of lead in paint has been amended from 5,000 ppm to 600 ppm. Amendments effective December 2010 have lowered the threshold to 90 ppm.

Based on the approximate age of the Site Buildings (circa 1990), there is little potential for the presence of paints with high concentrations of lead. However, in order to determine the actual lead concentrations in paint, analytical testing would be required.

The painted surfaces observed during the Site visit were in good condition, with no evidence of peeling or flaking.

Consideration should be given to conducting a lead survey prior to any planned renovation or demolition at the Site.

5.3.21.4 Urea Formaldehyde Foam Insulation

UFFI was used in the 1970s, most extensively from 1975 to 1978, in existing buildings by injecting the foam into areas, such as behind walls, where it expanded to fill the cavity. It was often injected through small holes uniformly spaced in the exterior wall cavity. UFFI use was banned in Canada in 1980.

Based on the approximate age of the Site Buildings (circa 1990), there is no evidence that UFFI was used in the construction of the Site Building. It is noted the wall cavities were not inspected as part of the site reconnaissance.

5.4 Surrounding Properties

Surrounding land use in the vicinity of the Site generally consisted of the following:

- North – Residential community followed by the CN rail line approximately 200 m north of the Site;
- South – Medhurst Drive is located immediately south of the Site followed by a residential community and West Hunt Club Road approximately 600 m South of the Site;
- East – Residential buildings;
- West – Woodroffe Avenue is located immediately west of the Site followed by a residential community.

6.0 REVIEW AND EVALUATION OF INFORMATION

The following sections provide a review, evaluation and an interpretation of the information from the records review, interviews and site reconnaissance.

6.1 Current and Past Uses of Phase One Property

The following table summarizes the land use history of the Site:

Year	Name of Owner	Description of Property Use	Property Use	Observations from Aerial Photographs, Fire Insurance Plans, etc.
Prior to 1955	Unknown	Undeveloped	Agricultural	The Site appeared to be undeveloped with inferred agricultural or forested lands
1955 - 1999	1070443 Ontario Inc. – Woodroffe Tiger Express, Mac’s Convenience Stores Inc.	Automotive servicing, retail fuel outlet, convenience store, car wash, restaurant	Commercial	. Based on a review of previous environmental reports, the Site was first developed circa 1955. By 1976 the property appeared to be developed with a commercial building in a similar location to the present-day retail fuel outlet. The north and east portions of the Phase One Property appear to have been cleared of vegetation for use as parking and potential further development.
1999 - present	Mac’s Convenience Stores Inc., Imperial Oil Limited	Retail fuel outlet, convenience store, car wash, restaurant	Commercial	By 1999, the Site Buildings, including the commercial building in the northeast corner (formerly Tim Horton’s), the car wash and the retail fuel outlet, appear in their current configuration along with asphalt parking areas and landscaping along the north, west and south perimeters with no significant changes observed through to present.

6.2 Potentially Contaminating Activities

The following PCAs were identified in the Phase One Study Area. The PCAs are presented on Figure 5, corresponding to the number listed in the table below.

Table 13: Potentially Contaminating Activities						
#	Potential Contaminating Activity	Location of PCA	Proximity of PCA to Phase One ESA Property	Time Frame Associated with PCA	Information Source	Does the PCA warrant an APEC
1	Automotive servicing garage	Northeast and southwest portion of the Phase One Property	On-Site	Historic	Previous reports review	YES
2	Gasoline and diesel USTs and retail fuel outlet	South portion of the Phase One Property	On-Site	Historic and Current	Previous reports review, ERIS search results, Opta search results, TSSA	Yes
3	Fill of unknown quality	Throughout the Phase One Property	On-Site	Historic and Current	Previous Reports Review	Yes
4	Car wash	Southeast portion of the Phase One Property	On-Site	Historic and Current	Previous Reports Review, Site Reconnaissance	Yes
5	Transformer Box	West portion of the Phase One Property	On-Site	Historic and Current	Previous Reports Review, Site Reconnaissance	Yes
6	Generation of waste oils and lubricants, aliphatic solvents, paints/pigments/coatings waste	72G Brockington Crescent	Approximately 125 m north and inferred to be hydraulically downgradient from the Site	Historic and Current	ERIS search results, previous environmental reports	NO, based on separation distance and lack of evidence of improper storage or spills
7	Spill of 100 L hydraulic fluid	Intersection of Knoxdale and Woodroffe	Approximately 10 m southwest of the Site	Historic (1990)	ERIS search results (Ontario Spills)	NO, based on down-gradient position of road relative to Site

6.3 Areas of Potential Environmental Concern

The following APECs were identified on the Phase One Property. The APECs are presented in Figure 5, corresponding to the number listed in the table below.

Table 14: Areas of Potential Environmental Concern				
Area of Potential Environmental Concern	Potentially Contaminating Activity*	Location	Contaminants of Potential Concern	Media Potentially Impacted
APEC-1 (On-Site automotive servicing garage-historic)	27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Northeast and southwest portion of the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-2 (On-Site gasoline and diesel USTs and retail fuel outlet)	28: Gasoline and Associated Products Storage in Fixed Tanks	Southwest portion of the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-3 (On-Site fill of unknown quality)	30: Importation of Fill Material of Unknown Quality	Throughout the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-4 (On-Site car wash)	27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Southeast portion of the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-5 (Transformer box)	55: Transformer Manufacturing, Processing and Use	West portion of the Phase One Property	PCBs	Soil and Groundwater

*PCAs are defined as per O. Reg. 153/04: Records of Site Condition – Part XV.1, Schedule D – Phase One Environmental Site Assessments, Part VI – Phase One Environmental Site Assessment Reports, Table 2 – Potentially Contaminating Activities.

6.4 Phase One Conceptual Site Model

A Phase One Conceptual Site Model (CSM) provides a summary of environmental conditions at the Site, as identified through the completion of a Phase One ESA. The purpose of the CSM is to identify the location and nature of all PCAs within the Phase One Study Area, including the Phase One Property, and to determine whether these potentially contaminating activities (PCAs) result in areas of potential environmental concern (APECs) in relation to the Phase One Property. The Phase One CSM is presented in Figures 1 through 5 and present the following information:

- The locations of existing buildings and structures.
- The location of any water bodies within the Phase One Study Area.
- The locations of any areas of natural significance within the Phase One Study Area.
- The locations of any potable drinking water wells on the Phase One Property.
- Roads within the Phase One Study Area.
- Uses of properties within the Phase One Study Area outside of the Phase One Property.
- Areas where any PCAs have occurred within the Phase One Study Area.
- The locations of APECs on the Phase One Property.

The following subsections provide a discussion of the information presented on the above-noted figures.

6.4.1 Existing Buildings and Structures

6.4.1.1 Structures and Other Improvements

The Phase One Property is currently developed with an active, single-storey convenience store and retail fuel outlet, car wash and a vacant single-storey commercial building formerly occupied by a Tim Horton's restaurant.

6.4.1.2 Below Ground Structures

A tank nest consisting of four (4) USTs was observed in the parking area south of the fuel pumps and catch basins were observed throughout the parking area. No other below ground structures were encountered at the Site. The commercial building formerly occupied by the Tim Horton's restaurant was not accessible at the time of the Site Reconnaissance.

6.4.2 Water Bodies

There are no waterbodies located within the Phase One Study Area. The closest permanent water bodies to the Site are the Rideau and Ottawa Rivers, which are located approximately 4.4 km east and 5.1 km north of the Phase One Property, respectively. Additionally, a tributary of the Rideau River, Nepean Creek, is located approximately 2.1 km northeast of the Site.

6.4.3 Areas of Natural Significance

When completing a Phase One ESA, considerations were made for the following Ministry of Natural Resources (MNRF) maintained areas of natural significance:

- Areas of Natural and Scientific Interest
- Provincially Significant Wetlands
- Wildlife Management Areas

The Phase One Property and Phase One Study Area were not determined to be located within an MNRF-maintained area of natural significance for the purposes of O. Reg. 153/04 (as amended). The Phase One Property and Phase One Study Area were also not determined to be located within any of the following areas identified in the City of Ottawa Official Plan:

- Natural Heritage Network
- Environmentally Sensitive Areas and Areas of Natural and Scientific Interest
- Oak Ridges Moraine Conservation Plan and Greenbelt Plan
- Landform Conservation Areas
- Special Policy Areas
- Wellhead Protection Areas

6.4.4 Water Wells

As part of this Phase One ESA, McIntosh Perry reviewed well records within the Phase One Study Area, as identified in the MECP's Water Well Information System database. Well records for the monitoring wells installed as part of the previous environmental reports for the Phase One Property, summarized in Section 3.1.6, were among the search results. Several other monitoring well records were encountered within the Phase One Study Area. One (1) industrial water well record was identified and no potable drinking water wells were encountered as the Site and Phase One Study Area are municipally serviced.

No potable water wells were observed on the Phase One Property or within the Phase One Study Area during the Site reconnaissance.

6.4.5 Potentially Contaminating Activities

The following PCAs were identified within the Phase One Study Area:

Table 13: Potentially Contaminating Activities						
#	Potential Contaminating Activity	Location of PCA	Proximity of PCA to Phase One ESA Property	Time Frame Associated with PCA	Information Source	Does the PCA warrant an APEC
1	Automotive servicing garage	Northeast and southwest portion of the Phase One Property	On-Site	Historic	Previous reports review	YES
2	Gasoline and diesel USTs and retail fuel outlet	South portion of the Phase One Property	On-Site	Historic and Current	Previous reports review, ERIS search results, Opta search results, TSSA	Yes
3	Fill of unknown quality	Throughout the Phase One Property	On-Site	Historic and Current	Previous Reports Review	Yes
4	Car wash	Southeast portion of the Phase One Property	On-Site	Historic and Current	Previous Reports Review, Site Reconnaissance	Yes
5	Transformer Box	West portion of the Phase One Property	On-Site	Historic and Current	Previous Reports Review, Site Reconnaissance	Yes

#	Potential Contaminating Activity	Location of PCA	Proximity of PCA to Phase One ESA Property	Time Frame Associated with PCA	Information Source	Does the PCA warrant an APEC
6	Generation of waste oils and lubricants, aliphatic solvents, paints/pigments/coatings waste	72G Brockington Crescent	Approximately 125 m north and inferred to be hydraulically downgradient from the Site	Historic and Current	ERIS search results, previous environmental reports	NO, based on separation distance and lack of evidence of improper storage or spills
7	Spill of 100 L hydraulic fluid	Intersection of Knoxdale and Woodroffe	Approximately 10 m southwest of the Site	Historic (1990)	ERIS search results (Ontario Spills)	NO, based on down-gradient position of road relative to Site

The locations of these PCAs are provided on Figure 5.

6.4.6 Areas of Potential Environmental Concern

The following APECs were identified at the Phase One Property:

Area of Potential Environmental Concern	Potentially Contaminating Activity*	Location	Contaminants of Potential Concern	Media Potentially Impacted
APEC-1 (On-Site automotive servicing garage-historic)	27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Northeast and southwest portion of the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-2 (On-Site gasoline and diesel USTs and retail fuel outlet)	28: Gasoline and Associated Products Storage in Fixed Tanks	Southwest portion of the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-3 (On-Site fill of unknown quality)	30: Importation of Fill Material of Unknown Quality	Throughout the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-4 (On-Site car wash)	27: Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	Southeast portion of the Phase One Property	PHCs, PAHs, VOCs, Metals	Soil and Groundwater
APEC-5 (Transformer box)	55: Transformer Manufacturing, Processing and Use	West portion of the Phase One Property	PCBs	Soil and Groundwater

*PCAs are defined as per O. Reg. 153/04: Records of Site Condition – Part XV.1, Schedule D – Phase One Environmental Site Assessments, Part VI – Phase One Environmental Site Assessment Reports, Table 2 – Potentially Contaminating Activities.

The locations of the APECs are provided on Figure 5.

6.4.7 Contaminants of Potential Concern

The contaminants of potential concern (COPCs) associated with the APECs at the Phase One Property were identified to be metals, volatile organic compounds (VOCs), petroleum hydrocarbons (PHCs) in the F1 to F4 fraction ranges (F1-F4), polychlorinated biphenyls (PCBs) and polycyclic aromatic hydrocarbons (PAHs), as indicated in the APEC table provided above.

6.4.8 Underground Utilities

During the Site reconnaissance, several underground utilities were noted to be likely present at the Site including, but not limited to, municipal water and sewer services, electricity, natural gas and telecommunications services. The locations and depths of these underground utilities were not determined as part of this Phase One ESA. No Site-specific concerns regarding underground utility service trenches were identified.

6.4.9 Hydrology

The Site occurs within the Lower Ottawa River watershed which is a secondary watershed of the Great Lakes - St. Lawrence River watershed. The Ottawa River is located approximately 5.1 kilometres (km) north of the Site, at its closest point. The Rideau River, a tributary of the Ottawa River, is located approximately 4.4 kilometres (km) east of the Site, at its closest point.

Site drainage consists primarily of sheet flow to on-Site catch basins and municipal storm drains along Woodroffe Avenue. Interior roof drains convey stormwater from the Site Buildings directly into the municipal stormwater sewer system. On-site infiltration of water is interpreted to occur in areas of permeable ground surface.

6.4.10 Geology

6.4.10.1 Surficial Geology

McIntosh Perry obtained a Surficial Geology Report for the Site and the surrounding area from ERIS of Toronto, Ontario. The ERIS Surficial Geology Report, as well as additional details about the source of information and the surficial geological units found within 2000 m of the Phase One Property are included in Appendix B.

The ERIS Surficial Geology Report, utilizing data from the Ontario Geological Survey (2010), classifies the overburden at the Site as highly permeable organic deposits consisting primarily of peat and muck in wetlands classified as bogs, swamps and poorly drained areas.

6.4.10.2 Bedrock Geology

McIntosh Perry obtained a Bedrock Geology Report for the Site and the surrounding area from ERIS of Toronto, Ontario. The ERIS Bedrock Geology Report, as well as additional details about the source of information and the bedrock found within 2000 m of the Phase One Property are included in Appendix B.

The ERIS Bedrock Geology Report, utilizing data from the Ontario Geological Survey (2010), classifies the bedrock under the Site and surrounding area as predominantly Lower Ordovician dolostone and sandstone of the Beekmantown Group.

6.4.11 Uncertainty or Absence of Information

No uncertainty or absence of information noted in the Phase One ESA is considered to have the potential to affect the validity of this conceptual site model.

7.0 CONCLUSIONS

Based on the site reconnaissance and review of historical information and previous environmental investigations by McIntosh Perry and others, the following Areas of Potential Environmental Concern were identified on-Site:

1. Historic automotive service garage in the northeast and southwest portion of the Phase One Property
2. Current and historic operations of a retail fuel outlet with associated USTs in the southwest portion of the Phase One Property
3. Fill material of unknown quality throughout the Phase One Property
4. Current operations of a car wash in the southeast portion of the Phase One Property
5. Transformer box on the west portion of the Phase One Property

Additional PCAs within the Phase One Study Area are not considered to represent APECs due to their separation distance and/or down-gradient location with respect to the Site.

7.1 Is a Phase 2 ESA Required?

Based on the presence of the APEC at the Phase One Property, **a Phase Two ESA is recommended.**

8.0 LIMITATIONS

The information presented in this report is based on the historical data obtained from readily available public records, information provided by others and direct visual observation made by personnel with McIntosh Perry as identified herein. This assessment did not include such tasks as sample gathering, laboratory testing, or intrusive investigations. Recommendations contained within our report reflect our informed opinion based on the information gathered during our investigation. The findings cannot be extended to components of the building or portions of the Site that were not reviewed or that were concealed or unavailable for direct observation at the time of our visit.

This report describes the potential for significant negative environmental conditions being present on the property and is intended to reduce, but not necessarily eliminate, uncertainty regarding the potential for significant environmental conditions to exist on the property. Where this potential exists, the further reduction or elimination of uncertainty requires the performance of a Phase II Environmental Site Assessment (ESA), i.e. sample gathering, laboratory testing and intrusive investigation.

No legal survey, soil test, detailed structural engineering investigation, or quantity survey compilation have been made. No responsibility, therefore, is assumed concerning these matters, or for any failure to carry out those technical or engineering procedures required to discover any inherent or hidden condition of this property since such investigation work was not included in the terms of reference governing this study.

This Phase I ESA is not an audit of environmental management practices and does not identify geotechnical conditions or geologic hazards of the Site.

The conclusions and recommendations detailed in this report are based upon the information available at the time of preparation of the report. No investigative method eliminates the possibility of obtaining imprecise or incomplete information. Professional judgement was exercised in gathering and analyzing the information obtained and in the formulation of our conclusions and recommendations. The recommendations are not intended to be utilized as a detailed specification for any remedial work that may be required. McIntosh Perry accepts no responsibility for interpretation of our recommendations, or actions taken based on them without our consultation and supervision.

McIntosh Perry does not certify or warrant the environmental status of the property nor the building on the property.

Information provided by McIntosh Perry is intended for Client use only. McIntosh Perry will not provide results or information to any party other than the Client, unless the Client, in writing, requests that information be provided to a third party or unless disclosure by McIntosh Perry is required by law. Any use by a third party, of reports or documents authored by McIntosh Perry, or any reliance by a third party, or decisions made by a third party, on the findings described in reports or documents authored by McIntosh Perry, is the sole responsibility of such third parties. McIntosh Perry accepts no responsibility for damages suffered by any third party as a result of decisions made or work carried out based on reports or documents authored by McIntosh Perry.

McIntosh Perry makes no representations concerning the legal and medical significance of our findings. With respect to regulatory compliance requirements, regulations change from time to time and interpretation of their meaning and intent may also change. McIntosh Perry accepts no responsibility for any legal interpretation of the Regulations, or the consequent financial effect on transactions, property values, or requirements for follow-up actions and costs.

The liability of McIntosh Perry or its staff is limited to the fees paid or actual damages incurred by the Client, whichever is less. McIntosh Perry is not responsible for consequential or indirect damages. All claims by the Client shall be deemed relinquished if not made within two years after last date of services provided.

Please note that the passage of time affects the information provided in the report. Environmental conditions of a Site can change. Opinions relating to the site conditions are based upon information that existed at the time that the conclusions were formulated.

The Client expressly agrees that it has entered into this agreement with McIntosh Perry, both on its own behalf and as agent on behalf of its employees and principals.

The Client expressly agrees that McIntosh Perry's employees and principals shall have no personal liability to the Client in respect of a claim, whether in contract, tort and/or any other cause of action in law. Accordingly, the Client expressly agrees that it will bring no proceedings and take no action in any court of law against any of McIntosh Perry's employees or principals in their personal capacity.

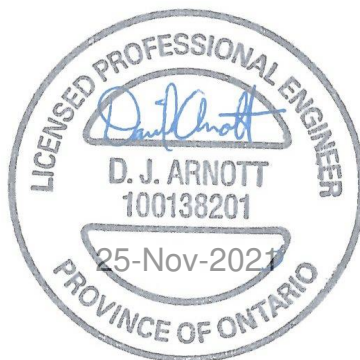
We trust that this information is satisfactory for your present requirements. Should you have any questions or require additional information, please do not hesitate to contact the undersigned.

Respectfully submitted,

McIntosh Perry



Stacey Johnston, GIT
Environmental Scientist
(613) 229-0760
s.johnston@mcintoshperry.com



Dan Arnott, P.Eng., QP_{ESA}
Manager, Geo-Environmental
(613) 714-4589
d.arnott@mcintoshperry.com

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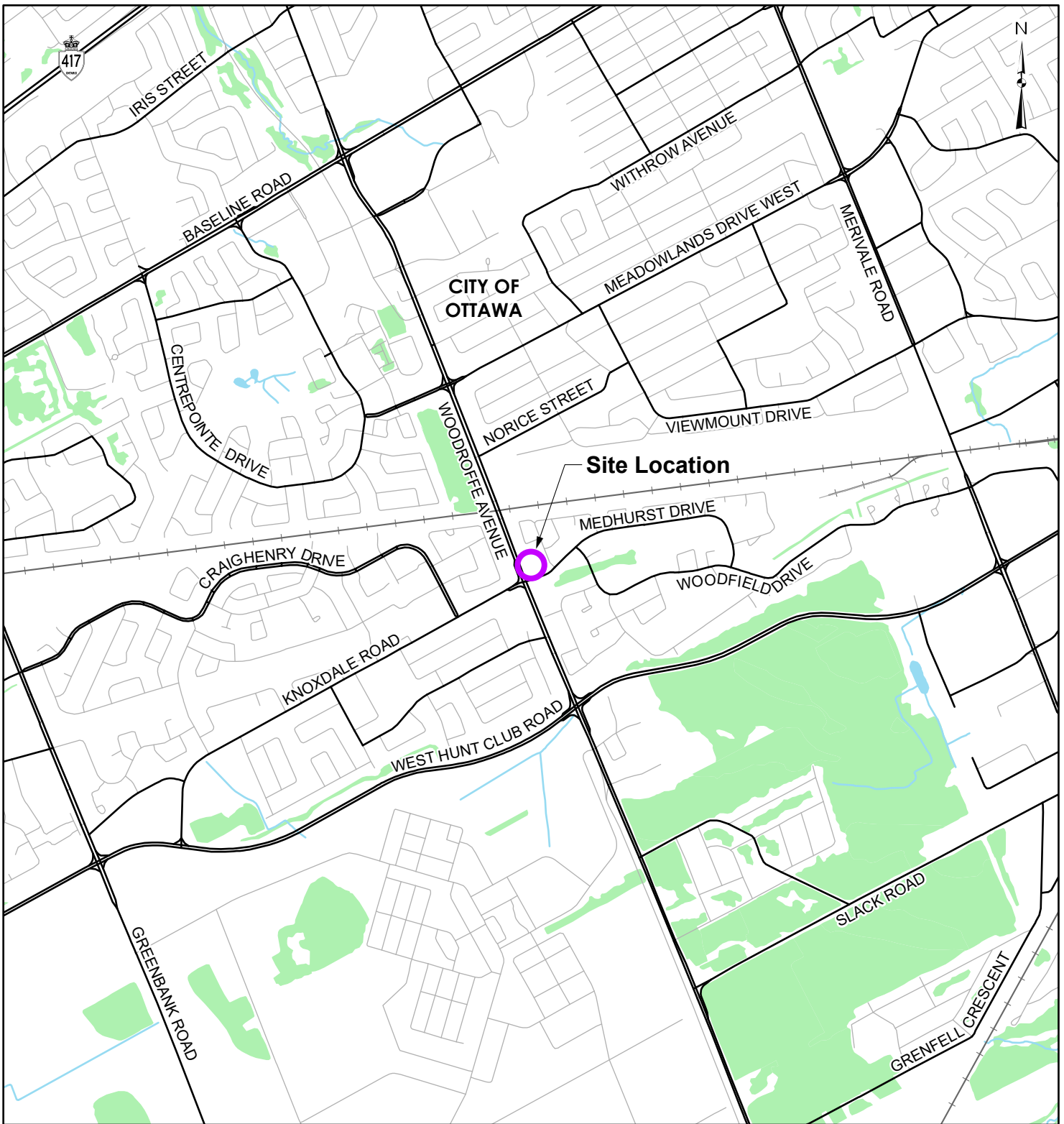
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PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1545 WOODROFFE AVENUE, OTTAWA, ONTARIO

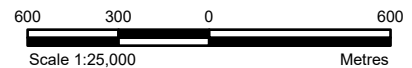


FIGURES



LEGEND

- Site Location
- Local Road
- Major Road
- Railroad
- Watercourse
- Waterbody
- Wooded Area



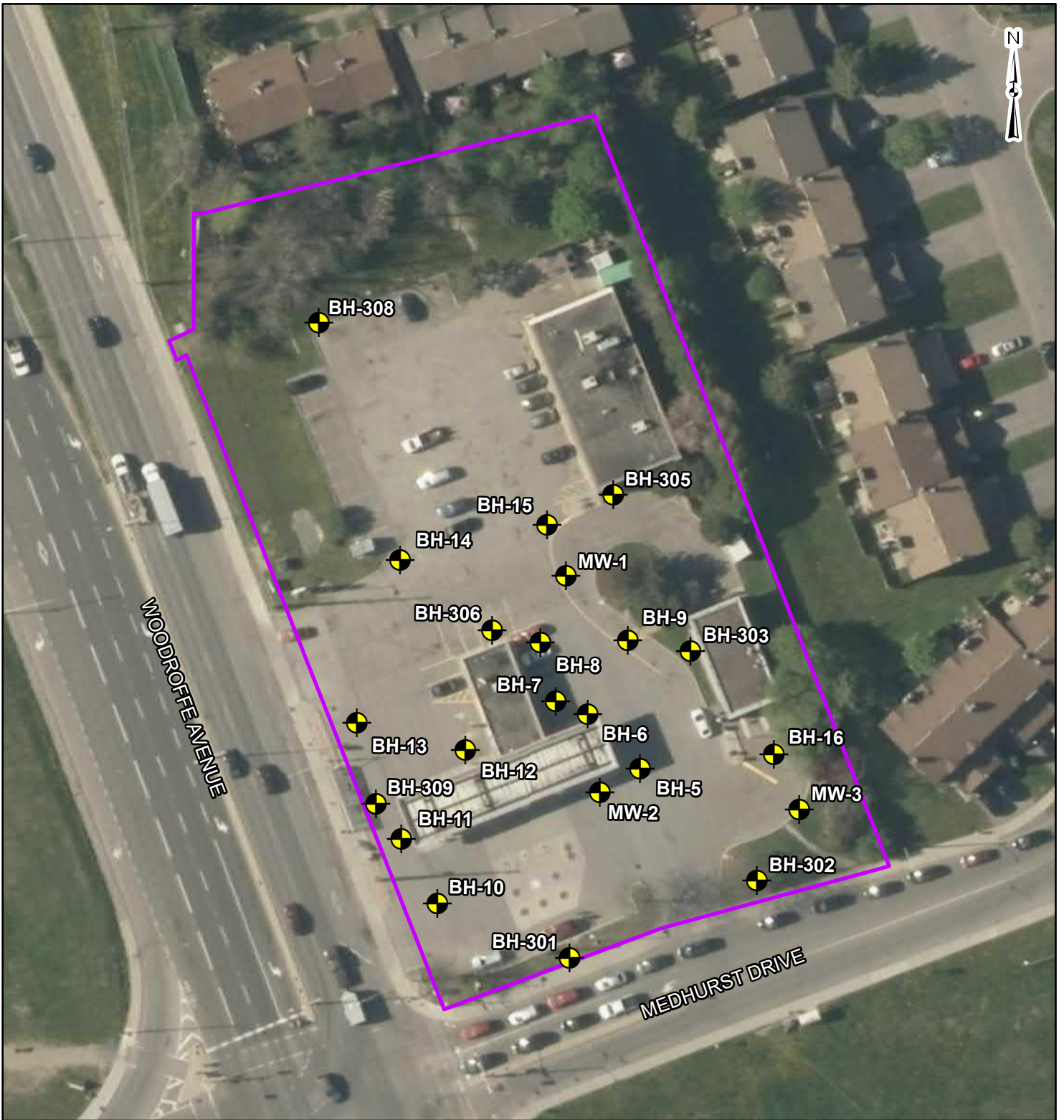
REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2021.

CLIENT:	CIRCLE K STORES/MAC'S CONVENIENCE LTD.
PROJECT:	PHASE I ESA 1545 WOODROFFE AVENUE, OTTAWA, ON
TITLE:	SITE LOCATION

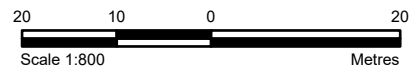
McINTOSH PERRY 115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com	PROJECT NO: CCO-21-2432-06	FIGURE:	1
	Date	Jul., 21, 2021	
	Checked By	DA	

C:\Users\stunum\Documents\Projects\2021\CCO\CCO-21-2432-06 Circle K - 1545 Woodroffe Avenue\Phase I ESA\CCO-21-2432-06 Phase I ESA.aprx



LEGEND

- Approximate Site Boundary
- N
 Borehole/Monitoring Well Location



REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2021.

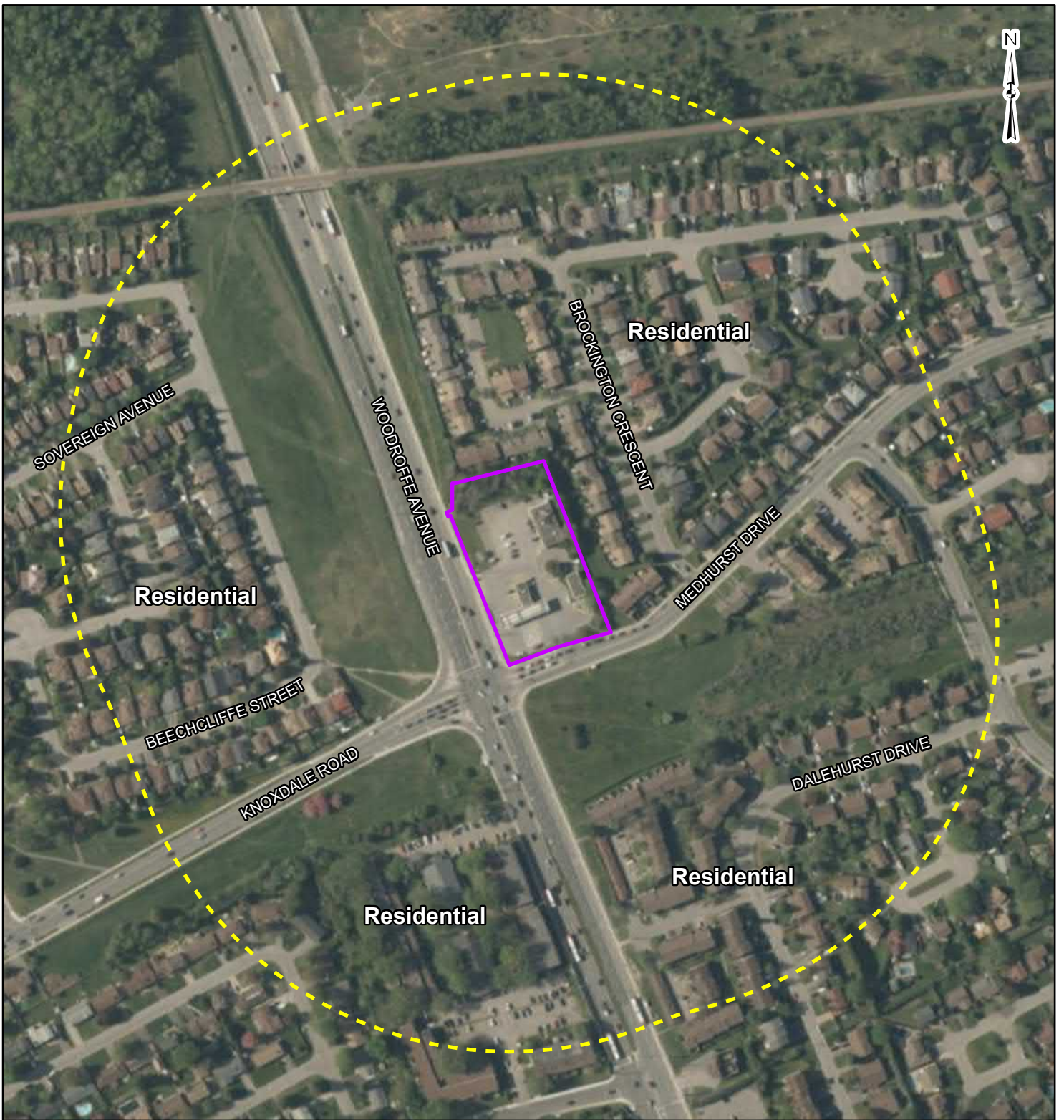
CLIENT:
CIRCLE K STORES/MAC'S CONVENIENCE LTD.

PROJECT: PHASE I ESA
1545 WOODROFFE AVENUE, OTTAWA, ON

TITLE:
SITE LAYOUT

McINTOSH PERRY
115 Walgreen Road, RR3, Carp, ON K0A1L0
Tel: 613-836-2184 Fax: 613-836-3742
www.mcintoshperry.com

PROJECT NO: CCO-21-2432-06	FIGURE:
Date	Jul., 21, 2021
GIS	EU
Checked By	DA

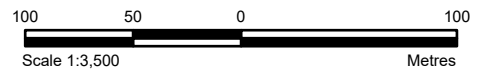


LEGEND

- Approximate Site Boundary
- 250m Buffer

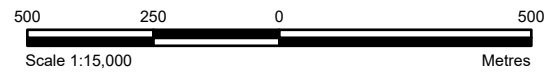
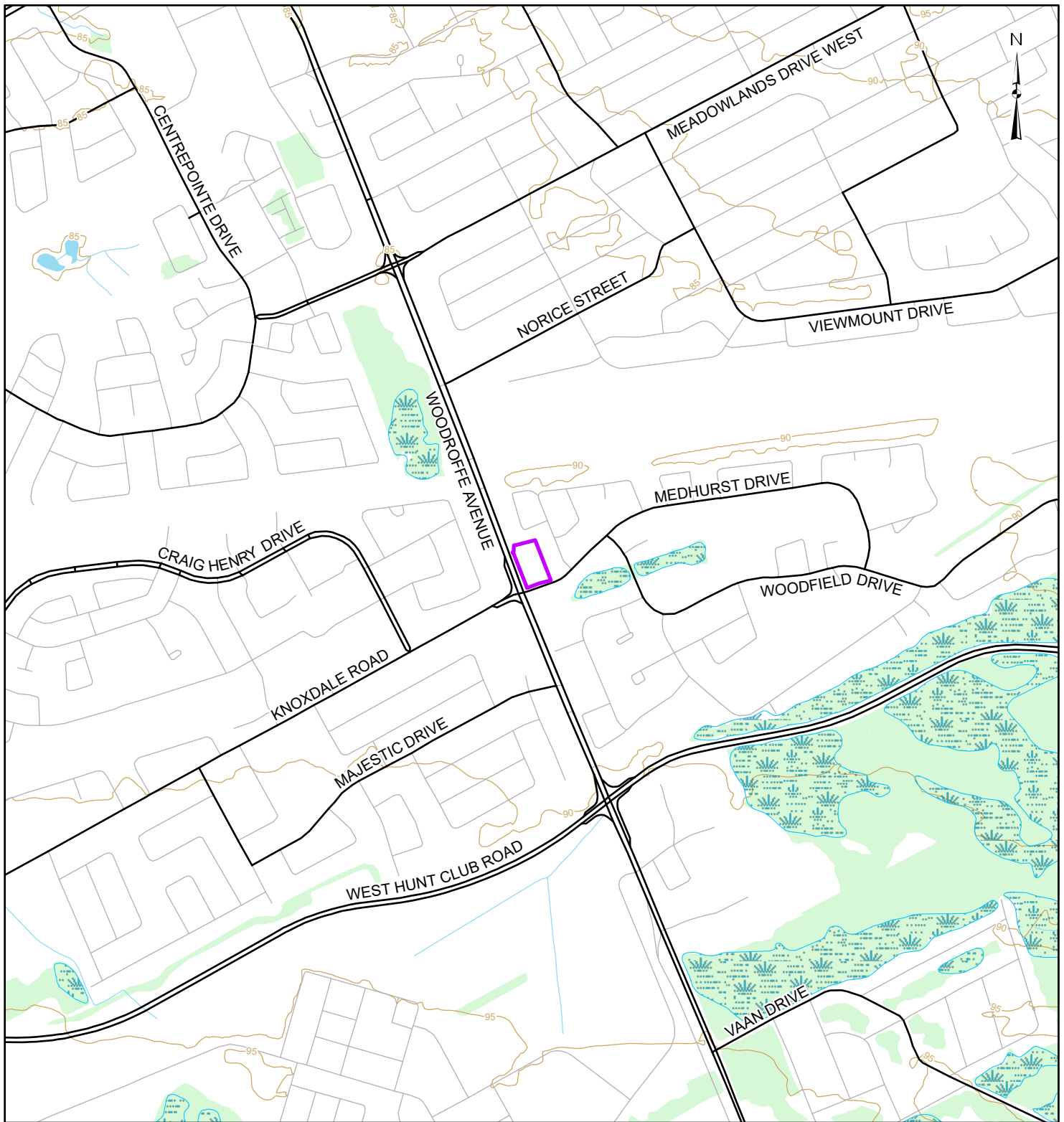
REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2021.



CLIENT:		CIRCLE K STORES/MAC'S CONVENIENCE LTD.	
PROJECT:		PHASE I ESA 1545 WOODROFFE AVENUE, OTTAWA, ON	
TITLE:		STUDY AREA AND SURROUNDING LAND USE	
PROJECT NO: CCO-21-2432-06		FIGURE:	
Date	Aug., 03, 2021	3	
GIS	EU		
Checked By	DA		

McINTOSH PERRY
 115 Walgreen Road, RR3, Carp, ON K0A1L0
 Tel: 613-836-2184 Fax: 613-836-3742
 www.mcintoshperry.com



LEGEND

- Approximate Site Boundary
- Contour (masl)
- Local Road
- Major Road
- Watercourse
- Waterbody
- Unevaluated Wetland
- Wooded Area

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2021.

CLIENT:
CIRCLE K STORES/MAC'S CONVENIENCE LTD.

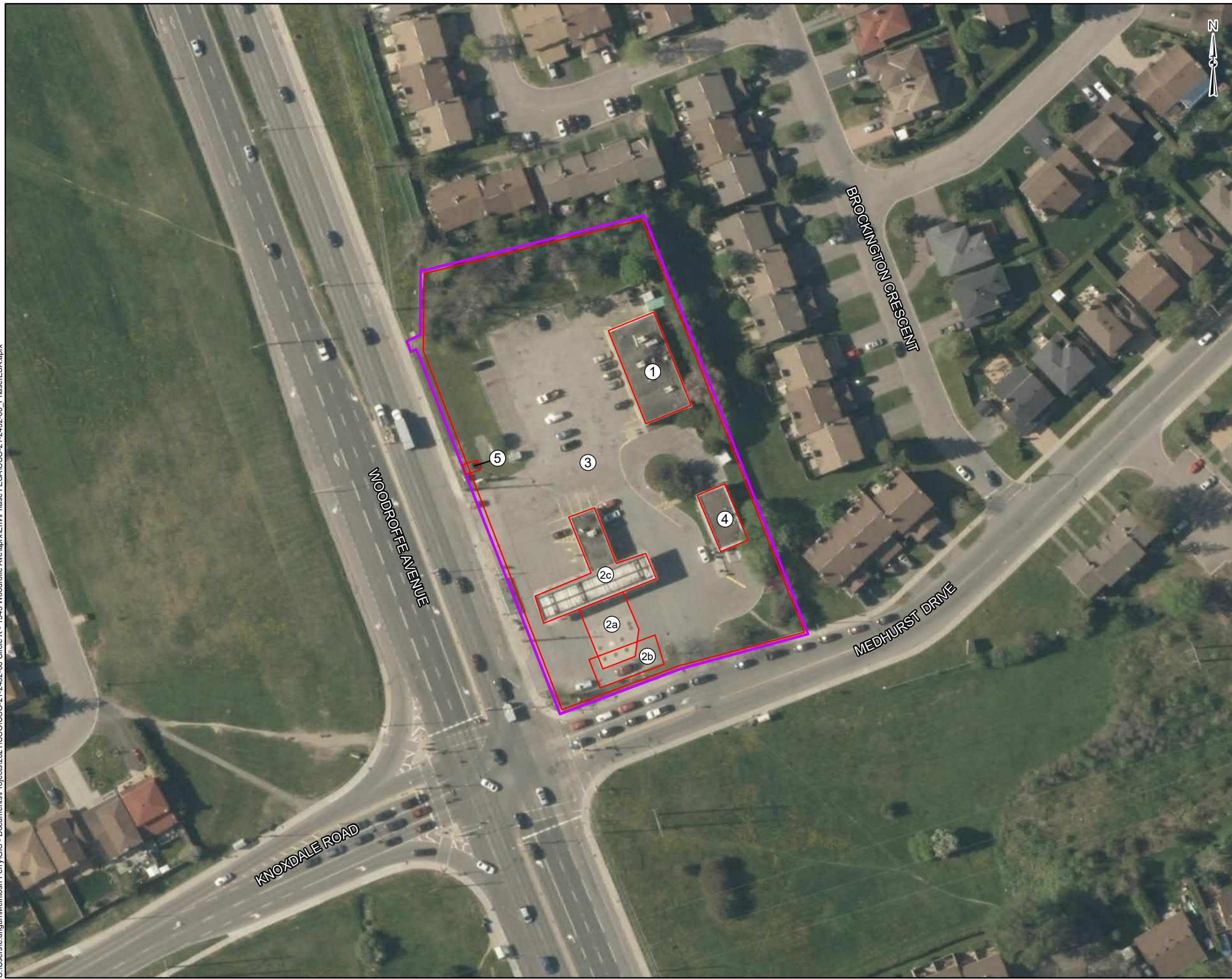
PROJECT: **PHASE I ESA**
1545 WOODROFFE AVENUE, OTTAWA, ON

TITLE:
DRAINAGE AND TOPOGRAPHY

McINTOSH PERRY <small>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</small>	PROJECT NO: CCO-21-2432-06	FIGURE:
	Date	Jul., 21, 2021
	GIS	EU
	Checked By	DA

C:\Users\stunum\Documents\Projects\2021\CCO\CCO-21-2432-06 Circle K - 1545 Woodroffe Avenue\Phase I ESA\CCO-21-2432-06_Phase I ESA.aprx

C:\Users\le.ungun\Documents\Projects\2021\COO\COO-21-2432-06 Circle K - 1545 Woodroffe Ave\aprx\EnvPhase I ESA\COO-21-2432-06_PhaseI ESA.aprx

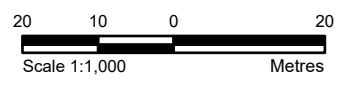


LEGEND

- Approximate Site Boundary
- APEC
- 1** 1545 Woodroffe Avenue (On-Site)
- Former Automotive Servicing Garage
- 2** 1545 Woodroffe Avenue (On-Site)
a - Current Tank Nest
b - Former Tank Nest
c - Retail Fuel Outlet
- 3** 1545 Woodroffe Avenue (On-Site)
- Fill of Unknown Quality
- 4** 1545 Woodroffe Avenue (On-Site)
- Car Wash
- 5** 1545 Woodroffe Avenue (On-Site)
- Transformer

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2021.



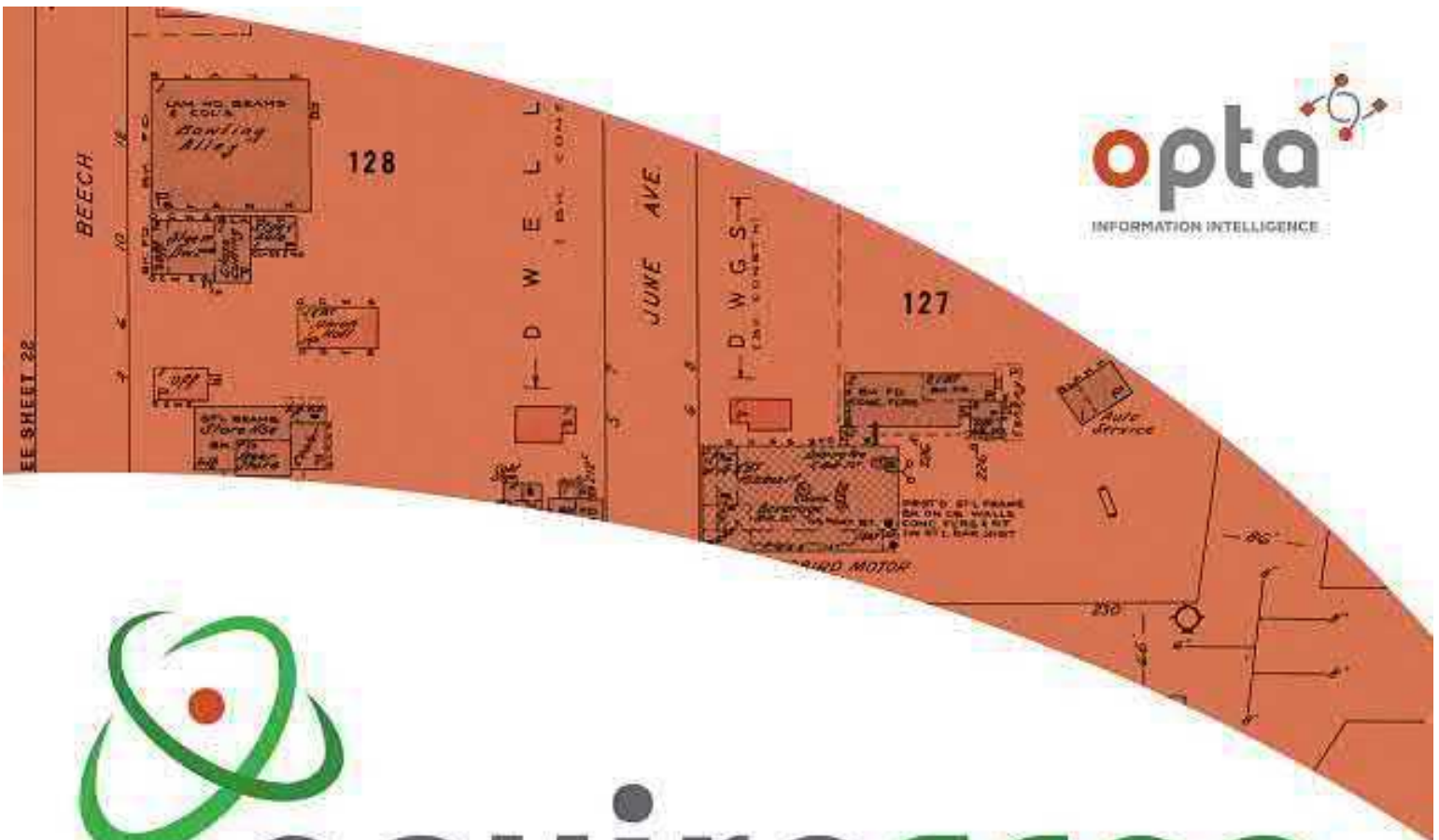
CLIENT:	CIRCLE K STORES/MAC'S CONVENIENCE LTD.	
PROJECT:	PHASE I ESA 1545 WOODROFFE AVENUE, OTTAWA, ON	
TITLE:	AREAS OF POTENTIAL ENVIRONMENTAL CONCERN (APEC'S)	

McINTOSH PERRY <small>115 Walgreen Road, RR3, Carp, ON K0A1L0 Tel: 613-836-2184 Fax: 613-836-3742 www.mcintoshperry.com</small>	PROJECT NO: CCO-21-2432-06	FIGURE:
	Date: Aug., 10, 2021	5
	Checked By: DA	

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1545 WOODROFFE AVENUE, OTTAWA, ONTARIO



APPENDIX A – OPTA RESPONSES



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:
Sunita

Site Address:

1545 Woodroffe Ave Nepean Ont

Project No:

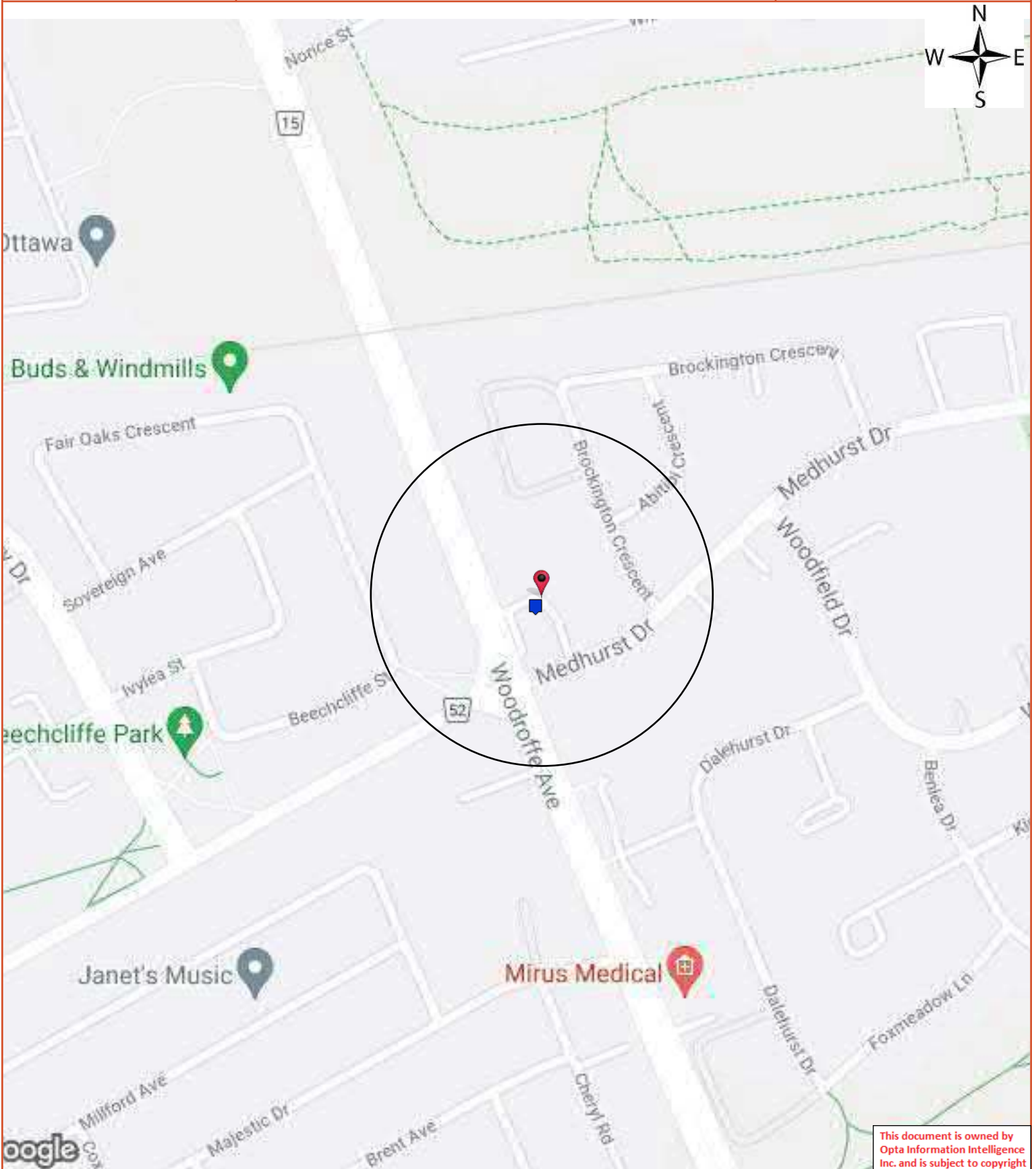
21072000314

Opta Order ID:

93681

Requested by:
**Eleanor Goolab
ERIS**

Date Completed:
7/28/2021 11:18:50 AM



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Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

Law

This agreement shall be governed by and construed in accordance with the laws of the Province of Ontario and the laws of Canada applicable therein.



175 Commerce Valley Drive W
Markham, Ontario
L3T 7Z3

T: 905.882.6300
Toll Free: 905.882.6300
F: 905.882.6300

An SCM Company
www.optaintel.ca

Page: 4
Project Name: Phase I ESA
Circle K 1545 Woodroffe

Project #: 21072000314
P.O. #: CCO21243206

ENVIROSCAN Report

Report Index

Requested by:
Eleanor Goolab

Date Completed: 07/28/2021 11:18:50



OPTA INFORMATION INTELLIGENCE

Page	Report Title
------	--------------

5	(1986) Multirisk Report - 1986 UniPetro Resources 1545 Woodroffe Avenue Nepean ON a (distance = 31 metres*)
---	---

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Multirisk Report - 1986 UniPetro Resources 1545 Woodroffe Avenue Nepean ON a



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MultiPak

INSPECTION SERVICES

ALL RISK
SUPPLEMENT
CONFIDENTIAL

Insured: Imperial Resources
Address: 1545 Woodroffe Avenue
N. York, Ontario

IAO Office: Ottawa
Representative: F. J. Dent
Date: 25 August 1986

Explain all circled answers

1. COLLAPSE:

Grounds Are:

- Natural
- Filled Land
- Undetermined

Area Subject to:

- Erosion
- Landslide
- Underground Hazards
- Heavy Snow Belt Area
- _____
- None of the above

Roof & Floors adequately supported & not overloaded

Yes No

Stock Fixtures adequately supported

Yes No

Evidence of Sagging:

- Walls
- Floors
- Roof
- Structural Supports
- Cornice/Awning
- Porch
- Inadequate Drainage
- None of the above

3. FLOOD:

Nearest Body of Water:

Distance

Area Subject to:

- Pond/Lake 4 Km. Surface Accumulation
- Stream/Creek _____ Flooding
- River/Canal _____ Sewage Back-up
- Man-made Impoundment _____ Recent Development
- Ocean Bay or Harbour _____
- _____

Evidence of Inadequate Drainage

Special Flood Protection Provided

History of Floods at Location

None of the above apply

2. WATER DAMAGE:

Type of Plumbing System:

- Copper
- Galvanized
- Plastic
- _____

Exposed To:

- Freezing
- Mechanical Damage
- Neither

Evidence Of:

- Leakage
- Corrosion
- Substandard Support
- Inside And/Or Roof Storage Tank(s) or Process Equipment
- None of the above

Evidence of Water Damage To:

- Floor(s)
- Ceiling(s)
- Interior Wall(s)
- Exterior Wall(s)
- None of the above

Stock Susceptibility Is:

- Slight
- Moderate
- Severe

Stock Stored:

- In Basement
- On _____ Floor(s)
- Skid And/Or Shelf Storage
- None

4. EARTHQUAKE:

Earthquake Zone 2

EQ Construction Class (circle) A B C D E F

Natural Gas Connections No Yes

Exposed by Adjacent Tanks Antennas, Towers etc. No Yes

Unusual Features No Yes

Any Earthquake History No Yes

5. THEFT:

Machinery or Stock attractive No Yes

Alarms: Perimeter Area None

Listed Central Station Other

Alarm Company: _____

Locks: All Doors have dead bolts No Yes

Stock Stored in open No Yes

Yards Fenced & Well Lit No Yes

6. LOSS HISTORY:

Yes No

COMMENTS

4. Standard gas connections

5. Yards are lit but not fenced due to nature of the business.

RECOMMENDATIONS (Point Form)

None



MultiPak

INSPECTION SERVICES

CRIME
SUPPLEMENT
(Short Form)
CONFIDENTIAL

Insured: Unipetro Resources

IAO Office: Ottawa

Address: 1545 Woodroffe Avenue
Nepean, Ontario

Representative: F. J. Hunt

Date: 25 August 1986

Explain all circled answers

1. LOCATION:

Area: Residential; Commercial; Industrial; Rural; Isolated
Police Patrol: City/Town; Prov./RCMP; Private; None
Area Crime History: Good; Other

2. TYPE OF BUSINESS:

Describe: 24 hours per day 364 days per year
Operates: AM/PM to AM/PM days/Wk.
Stock Attractive; Easily Resold; Cheques Cashed
Average Stock Value 5000 Average Cash on Hand 200-500
Stock stored outside Yes No Yards fenced Yes No
Average Value of Stock outside _____ Yards lit Yes No

3. HOLD UP:

Deposits made at Irregular Times by Principal or Bonded Individual Yes No Normal Frequency daily
Conveyance by Foot Public Trans. Private Vehicle Other
Individual Armed Accompanied Other Distance to Bank 1.6 Km.

4. OPENINGS:

Dead Locks on Doors Yes No Accessible Windows Yes No
Roof Openings Yes No Solid Masonry Walls & Ceilings to Neighbours Yes No N/A

5. ALARMS:

Yes No
Complete Alarm System Yes No ULC Yes No ULC Central Station Yes No

6. WATCHMAN:

Yes No
Rounds Hourly when not open Yes Other None

7. SAFE:

Yes No
Class - Anchored Yes No Located IN SALES COUNTER.

8. LOSS HISTORY:

Yes No

COMMENTS

4. About 60% of the wall area is glass

8. CE hold up secured but a staff on duty informed handit he left empty handed.

RECOMMENDATIONS (Point Form)

None.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1545 WOODROFFE AVENUE, OTTAWA, ONTARIO



APPENDIX B – ERIS REPORT



DATABASE REPORT

Project Property: *Phase I ESA - Circle K - 1545 Woodroffe
1545 Woodroffe Ave
Nepean ON K2G*

Project No: *CCO-21-2432-06*

Report Type: *RSC Report (Urban)*

Order No: *21072000314*

Requested by: *McIntosh Perry Consulting Engineers*

Date Completed: *July 23, 2021*

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Executive Summary

Property Information:

Project Property: *Phase I ESA - Circle K - 1545 Woodroffe
1545 Woodroffe Ave Nepean ON K2G*

Project No: *CCO-21-2432-06*

Order Information:

Order No: *21072000314*

Date Requested: *July 20, 2021*

Requested by: *McIntosh Perry Consulting Engineers*

Report Type: *RSC Report (Urban)*

Historical/Products:

Aerial Photographs *Aerials - National Collection*

City Directory Search *CD - Subject Site*

Insurance Products *Fire Insurance Maps/Inspection Reports/Site Plans*

Topographic Map *RSC Maps*

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.30km</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	8	8
CA	<i>Certificates of Approval</i>	Y	2	1	3
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	8	0	8
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	1	1
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	3	13	16
EIIS	<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	12	0	12
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	17	0	17
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	2	0	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	11	12	23
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	1	1	2

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	1	0	1
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	3	3
PINC	<i>Pipeline Incidents</i>	Y	0	3	3
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	1	0	1
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	4	0	4
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	3	7	10
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	4	11	15
Total:			69	60	129

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>
1	CA	IMPERIAL OIL LIMITED	1545 WOODROFFE AVENUE NEPEAN CITY ON K2G 1W2	SSW/0.0	0.01	36
1	CA	IMPERIAL OIL LIMITED	1545 WOODROFFE AVE./TIM HORTON NEPEAN CITY ON K2G 1W2	SSW/0.0	0.01	36
1	SPL	QUEENSWAY TANK LINES	1545 WOODROFFE AVE ESSO SERVICE STATION. TANK TRUCK (CARGO) NEPEAN CITY ON K2G 1W2	SSW/0.0	0.01	36
1	PRT	1070427 ONTARIO LTD O/A WOODROFFE ESSO	1545 WOODRUFFE AV NEPEAN ON K2G1W2	SSW/0.0	0.01	37
1	RST	ESSO TIGER EXPRESS	1545 WOODROFFE AVE NEPEAN ON K2G1W2	SSW/0.0	0.01	37
1	RST	ESSO	1545 WOODROFFE AVE NEPEAN ON K2G 1W2	SSW/0.0	0.01	37
1	FSTH	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON K2G 1W2	SSW/0.0	0.01	37
1	EHS		1545 Woodroffe Avenue Nepean ON K2G 1W2	SSW/0.0	0.01	38

<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	RST	ESSO GAS STATION	1545 WOODROFFE AVE NEPEAN ON K2G 1W2	SSW/0.0	0.01	38
1	SPL		1545 Woodroffe Avenue, Nepean Ottawa ON	SSW/0.0	0.01	39
1	FSTH	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON K2G 1W2	SSW/0.0	0.01	39
1	SPL	Imperial Oil Limited	1545 Woodroffe Ave Ottawa ON	SSW/0.0	0.01	40
1	HINC		1545 WOODROFFE AVENUE NEPEAN ON K2G 1W2	SSW/0.0	0.01	41
1	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	41
1	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	42
1	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	42
1	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	42
1	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	43

<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	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	43
1	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	43
1	DTNK	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	SSW/0.0	0.01	44
1	GEN	Imperial Oil	1545 Woodroffe Avenue Nepean ON	SSW/0.0	0.01	44
1	GEN	Imperial Oil	1545 Woodroffe Avenue Nepean ON	SSW/0.0	0.01	44
1	GEN	Imperial Oil	1545 Woodroffe Avenue Nepean ON	SSW/0.0	0.01	45
1	FST	MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	45
1	FST	MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	46
1	FST	MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	46

<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	FST	MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	47
1	GEN	Imperial Oil	1545 Woodroffe Avenue Nepean ON	SSW/0.0	0.01	47
1	RST	ESSO GAS STATION	1545 WOODROFFE AVE NEPEAN ON K2G1W2	SSW/0.0	0.01	48
1	GEN	Imperial Oil	1545 Woodroffe Avenue Nepean ON	SSW/0.0	0.01	48
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	48
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	49
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	49
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	50
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	50

<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	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	50
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	51
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	51
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	52
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	52
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	52
1	EXP	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	53
1	EHS		1545 WOODROFFE AVE NEPEAN ON	SSW/0.0	0.01	53
1	EHS		1545 Woodroffe Ave Ottawa ON K2G1W2	SSW/0.0	0.01	53

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	GEN	Imperial Oil	1545 Woodroffe Ave Nepean ON K2G 1W2	SSW/0.0	0.01	54
1	GEN	Mac's Convenience Stores Inc.	1545 Woodroffe Avenue Ottawa ON K2G1W2	SSW/0.0	0.01	54
1	GEN	Imperial Oil	1545 Woodroffe Avenue Nepean ON K2G 1W2	SSW/0.0	0.01	54
1	GEN	Imperial Oil	1545 Woodroffe Avenue Nepean ON K2G 1W2	SSW/0.0	0.01	55
1	GEN	Mac's Convenience Stores Inc.	1545 Woodroffe Avenue Nepean ON K2G 1W2	SSW/0.0	0.01	55
1	INC	MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV.,,NEPEAN,ON,K2G 1W2,CA ON	SSW/0.0	0.01	55
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	56
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	56
1	FST		1545 WOODROFFE AVE NEPEAN ON K2G 1W2	SSW/0.0	0.01	57
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	57

<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	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	58
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	58
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	59
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	59
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	60
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	60
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	61
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	61
1	FST	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	SSW/0.0	0.01	62

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	GEN	Mac's Convenience Stores Inc.	1545 Woodroffe Avenue Nepean ON K2G 1W2	SSW/0.0	0.01	<u>62</u>
<u>2</u>	WWIS		lot 30 con 1 ON <i>Well ID: 7176824</i>	NNE/0.0	0.01	<u>63</u>
<u>3</u>	WWIS		1545 WOODROFFE AVE. Ottawa ON <i>Well ID: 7122580</i>	SSW/0.0	0.01	<u>64</u>
<u>3</u>	WWIS		1545 WOODROFFE AVE. NEPEAN ON <i>Well ID: 7129173</i>	SSW/0.0	0.01	<u>77</u>
<u>4</u>	WWIS		1545 WOODROFFE Ottawa ON <i>Well ID: 7191213</i>	ESE/0.0	0.97	<u>81</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
5	WWIS		ON Well ID: 7239267	S/1.4	0.95	84
6	WWIS		1545 WOODROFF AVE Ottawa ON Well ID: 7191214	SW/4.2	0.02	85
7	WWIS		1545 WOODROFFE AVE lot 30 con 1 Ottawa ON Well ID: 7146133	S/5.1	0.14	88
8	WWIS		1545 WOODROFFE AVE Ottawa ON Well ID: 7146132	SSW/5.2	0.02	93
9	WWIS		1545 WOODROFFE AVE Ottawa ON Well ID: 7191212	SW/6.2	0.02	103
10	WWIS		1545 WOODROFFE AVE Ottawa ON Well ID: 7158263	S/19.4	0.95	106
11	SPL		Intersection of Knoxdale and Woodroffe Ottawa ON	SSW/26.5	0.02	110
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	111
12	HINC		72A BROCKINGTON CRESCENT NEPEAN ON K2G 5L1	ENE/35.7	-0.02	111
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	ENE/35.7	-0.02	112
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	ENE/35.7	-0.02	112
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	ENE/35.7	-0.02	112

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	113
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	ENE/35.7	-0.02	113
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	113
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	114
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	114
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	114
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	115
12	GEN	CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	ENE/35.7	-0.02	115
13	SPL	PUC	WOODROFFE AVE AT KNOXDALE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SSW/37.8	0.01	115
14	WWIS		KNOXDALE ROAD AT WOODROFFE Ottawa ON Well ID: 7141308	WSW/39.8	0.06	116
15	WWIS		40 BEECHCLIFFE ST. OTTAWA ON Well ID: 7150709	W/40.5	0.06	118
16	BORE		ON	SSE/43.5	0.96	121
17	WWIS		WOODROFFAVE & KNOXDALE ROAD lot 32 con 2	SW/52.5	0.04	123

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			NEPEAN ON <i>Well ID:</i> 7246346			
18	WWIS		KNOXDALE RD @ WOODROFFE Ottawa ON <i>Well ID:</i> 7145546	SW/59.6	0.06	125
19	BORE		ON	NW/127.3	-0.91	137
20	SPL	Enbridge Gas Distribution Inc.	292 unit E Dalehurst Dr Ottawa ON	SE/149.2	1.99	139
21	BORE		ON	SW/181.6	0.79	139
22	SPL	Enbridge Gas Distribution Inc.	8 Garrick Court Ottawa ON	ENE/195.3	-0.37	141
22	PINC	PIPELINE HIT 1/2"	8 GARRICK CT.,,OTTAWA,ON,K2G 4K1, CA ON	ENE/195.3	-0.37	142
23	EHS		5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	SSW/196.3	1.96	142
23	EHS		5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	SSW/196.3	1.96	142
23	EHS		5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	SSW/196.3	1.96	142
23	EHS		5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	SSW/196.3	1.96	143
23	EHS		5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	SSW/196.3	1.96	143
24	SPL	CH2M HILL Canada Limited	5 Majestic Drive Ottawa ON	S/197.5	2.00	143

<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>
24	EHS		5 Majestic Dr Ottawa ON K2G1C5	S/197.5	2.00	144
25	BORE		ON	SSE/197.8	1.94	144
26	BORE		ON	N/198.9	-0.96	145
27	EHS		5,7,9,11 Majestic Dr, 1664 &1668 Woodroffe Ave Ottawa ON	S/199.8	1.99	147
28	EHS		5 Majestic Dr Nepean ON K2G 1C5	S/201.7	2.00	147
28	EHS		5 Majestic Dr Nepean ON K2G 1C5	S/201.7	2.00	148
28	EHS		5 Majestic Dr Nepean ON K2G 1C5	S/201.7	2.00	148
28	EHS		5 Majestic Dr Nepean ON K2G 1C5	S/201.7	2.00	148
29	EHS		5 Majestic Dr Ottawa ON K2G1C5	SSW/202.2	1.96	148
30	BORE		ON	WNW/227.7	-0.89	148
31	BORE		ON	NE/235.1	-0.93	150
32	PINC	Pipeline Hit	9 BEECHCLIFFE STREET,,OTTAWA,ON, K2G 4X4,CA ON	WSW/242.3	0.11	151

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
33	SPL	Enbridge Gas Distribution Inc.	3 Strathearn Court, Nepean Ottawa ON	E/249.7	0.05	152
33	PINC	PIPELINE HIT 1/2"	3 STRATHEARN CT,,NEPEAN,ON,K2G 4L7,CA ON	E/249.7	0.05	152
34	EASR	LAURENT LEBLANC LIMITED	7 PRITCHARD DR NEPEAN ON K2G 1B2	SSW/257.6	2.35	153
35	WWIS		lot 31 con 2 ON Well ID: 1506021	WNW/274.7	-0.90	153
36	BORE		ON	WNW/274.8	-0.90	156
37	PES	2588813 ONTARIO INC O/A THOMAS LAWN CARE	21 SOVEREIGN AVE OTTAWA ON K2G4W8	W/278.8	0.08	158
37	PES	2588813 ONTARIO INC O/A THOMAS LAWN CARE	21 SOVEREIGN AVE OTTAWA ON K2G4W8	W/278.8	0.08	158
37	PES	2588813 ONTARIO INC O/A THOMAS LAWN CARE	21 SOVEREIGN AVE OTTAWA ON K2G4W8	W/278.8	0.08	159
38	CA	NEPEAN CITY	MAJESTIC DR/WOODROFFE AVE. NEPEAN ON	SSE/285.7	3.08	159
38	SPL	UNKNOWN	WODDRUFF AVE. AT MAJESTIC DR., NEPEAN OTTAWA CITY ON	SSE/285.7	3.08	159
39	EHS		1 MAJESTIC DR NEPEAN ON	S/292.9	3.02	160

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 8 BORE site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	43.5	<u>16</u>
	ON	127.3	<u>19</u>
	ON	181.6	<u>21</u>
	ON	197.8	<u>25</u>
	ON	198.9	<u>26</u>
	ON	227.7	<u>30</u>
	ON	235.1	<u>31</u>
	ON	274.8	<u>36</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.30 kilometers of

the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
IMPERIAL OIL LIMITED	1545 WOODROFFE AVENUE NEPEAN CITY ON K2G 1W2	0.0	<u>1</u>
IMPERIAL OIL LIMITED	1545 WOODROFFE AVE./TIM HORTON NEPEAN CITY ON K2G 1W2	0.0	<u>1</u>
NEPEAN CITY	MAJESTIC DR/WOODROFFE AVE. NEPEAN ON	285.7	<u>38</u>

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Jul 31, 2020 has found that there are 8 DTNK site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON	0.0	1

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Jun 30, 2021 has found that there are 1 EASR site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
LAURENT LEBLANC LIMITED	7 PRITCHARD DR NEPEAN ON K2G 1B2	257.6	34

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2021 has found that there are 16 EHS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1545 WOODROFFE AVE NEPEAN ON	0.0	1
	1545 Woodroffe Avenue Nepean ON K2G 1W2	0.0	1
	1545 Woodroffe Ave Ottawa ON K2G1W2	0.0	1
	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	196.3	23
	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	196.3	23
	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	196.3	23

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	196.3	<u>23</u>
	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	196.3	<u>23</u>
	5 Majestic Dr Ottawa ON K2G1C5	197.5	<u>24</u>
	5,7,9,11 Majestic Dr, 1664 &1668 Woodroffe Ave Ottawa ON	199.8	<u>27</u>
	5 Majestic Dr Nepean ON K2G 1C5	201.7	<u>28</u>
	5 Majestic Dr Nepean ON K2G 1C5	201.7	<u>28</u>
	5 Majestic Dr Nepean ON K2G 1C5	201.7	<u>28</u>
	5 Majestic Dr Nepean ON K2G 1C5	201.7	<u>28</u>
	5 Majestic Dr Ottawa ON K2G1C5	202.2	<u>29</u>
	1 MAJESTIC DR NEPEAN ON	292.9	<u>39</u>

EXP - List of Expired Fuels Safety Facilities

A search of the EXP database, dated Jul 31, 2020 has found that there are 12 EXP site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1

FST - Fuel Storage Tank

A search of the FST database, dated Jul 31, 2020 has found that there are 17 FST site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1545 WOODROFFE AVE NEPEAN ON K2G 1W2	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	0.0	1

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON K2G 1W2	0.0	1

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS	1545 WOODROFFE AV NEPEAN ON K2G 1W2	0.0	1

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Apr 30, 2021 has found that there are 23 GEN site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Imperial Oil	1545 Woodroffe Avenue Nepean ON	0.0	1
Imperial Oil	1545 Woodroffe Avenue Nepean ON	0.0	1
Imperial Oil	1545 Woodroffe Avenue Nepean ON	0.0	1
Imperial Oil	1545 Woodroffe Avenue Nepean ON	0.0	1
Imperial Oil	1545 Woodroffe Ave Nepean ON K2G 1W2	0.0	1
Mac's Convenience Stores Inc.	1545 Woodroffe Avenue Ottawa ON K2G1W2	0.0	1
Imperial Oil	1545 Woodroffe Avenue Nepean ON K2G 1W2	0.0	1
Imperial Oil	1545 Woodroffe Avenue Nepean ON K2G 1W2	0.0	1

Site	Address	Distance (m)	Map Key
Mac's Convenience Stores Inc.	1545 Woodroffe Avenue Nepean ON K2G 1W2	0.0	1
Mac's Convenience Stores Inc.	1545 Woodroffe Avenue Nepean ON K2G 1W2	0.0	1
Imperial Oil	1545 Woodroffe Avenue Nepean ON	0.0	1
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12
CARLING REALTY COMPANY LIMITED	72G Brockington Cres. OTTAWA ON K2G 5L1	35.7	12

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 2 HINC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1545 WOODROFFE AVENUE NEPEAN ON K2G 1W2	0.0	1
	72A BROCKINGTON CRESCENT NEPEAN ON K2G 5L1	35.7	12

INC - Fuel Oil Spills and Leaks

A search of the INC database, dated Jul 31, 2020 has found that there are 1 INC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MAC'S CONVENIENCE STORES INC	1545 WOODROFFE AV.,,NEPEAN,ON,K2G 1W2,CA ON	0.0	1

PES - Pesticide Register

A search of the PES database, dated Oct 2011- Jun 30, 2021 has found that there are 3 PES site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
2588813 ONTARIO INC O/A THOMAS LAWN CARE	21 SOVEREIGN AVE OTTAWA ON K2G4W8	278.8	<u>37</u>
2588813 ONTARIO INC O/A THOMAS LAWN CARE	21 SOVEREIGN AVE OTTAWA ON K2G4W8	278.8	<u>37</u>
2588813 ONTARIO INC O/A THOMAS LAWN CARE	21 SOVEREIGN AVE OTTAWA ON K2G4W8	278.8	<u>37</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Oct 31, 2020 has found that there are 3 PINC site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
PIPELINE HIT 1/2"	8 GARRICK CT,,OTTAWA,ON,K2G 4K1,CA ON	195.3	<u>22</u>
Pipeline Hit	9 BEECHCLIFFE STREET,,OTTAWA,ON, K2G 4X4,CA ON	242.3	<u>32</u>
PIPELINE HIT 1/2"	3 STRATHEARN CT,,NEPEAN,ON,K2G 4L7, CA ON	249.7	<u>33</u>

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
1070427 ONTARIO LTD O/A WOODROFFE ESSO	1545 WOODRUFFE AV NEPEAN ON K2G1W2	0.0	<u>1</u>

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Dec 31, 2020 has found that there are 4 RST site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ESSO TIGER EXPRESS	1545 WOODROFFE AVE NEPEAN ON K2G1W2	0.0	1
ESSO GAS STATION	1545 WOODROFFE AVE NEPEAN ON K2G1W2	0.0	1
ESSO GAS STATION	1545 WOODROFFE AVE NEPEAN ON K2G 1W2	0.0	1
ESSO	1545 WOODROFFE AVE NEPEAN ON K2G 1W2	0.0	1

SPL - Ontario Spills

A search of the SPL database, dated 1988-Aug 2020 has found that there are 10 SPL site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
QUEENSWAY TANK LINES	1545 WOODROFFE AVE ESSO SERVICE STATION. TANK TRUCK (CARGO) NEPEAN CITY ON K2G 1W2	0.0	1
	1545 Woodroffe Avenue, Nepean Ottawa ON	0.0	1
Imperial Oil Limited	1545 Woodroffe Ave Ottawa ON	0.0	1
	Intersection of Knoxdale and Woodroffe Ottawa ON	26.5	11
PUC	WOODROFFE AVE AT KNOXDALE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	37.8	13

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	292 unit E Dalehurst Dr Ottawa ON	149.2	<u>20</u>
Enbridge Gas Distribution Inc.	8 Garrick Court Ottawa ON	195.3	<u>22</u>
CH2M HILL Canada Limited	5 Majestic Drive Ottawa ON	197.5	<u>24</u>
Enbridge Gas Distribution Inc.	3 Strathearn Court, Nepean Ottawa ON	249.7	<u>33</u>
UNKNOWN	WODDRUFF AVE. AT MAJESTIC DR., NEPEAN OTTAWA CITY ON	285.7	<u>38</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2021 has found that there are 15 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 30 con 1 ON <i>Well ID: 7176824</i>	0.0	<u>2</u>
	1545 WOODROFFE AVE. NEPEAN ON <i>Well ID: 7129173</i>	0.0	<u>3</u>
	1545 WOODROFFE AVE. Ottawa ON <i>Well ID: 7122580</i>	0.0	<u>3</u>
	1545 WOODROFFE Ottawa ON <i>Well ID: 7191213</i>	0.0	<u>4</u>
	ON	1.4	<u>5</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7239267		
	1545 WOODROFF AVE Ottawa ON	4.2	<u>6</u>
	<i>Well ID:</i> 7191214		
	1545 WOODROFFE AVE lot 30 con 1 Ottawa ON	5.1	<u>7</u>
	<i>Well ID:</i> 7146133		
	1545 WOODROFFE AVE Ottawa ON	5.2	<u>8</u>
	<i>Well ID:</i> 7146132		
	1545 WOODROFFE AVE Ottawa ON	6.2	<u>9</u>
	<i>Well ID:</i> 7191212		
	1545 WOODROFFE AVE Ottawa ON	19.4	<u>10</u>
	<i>Well ID:</i> 7158263		
	KNOXDALE ROAD AT WOODROFFE Ottawa ON	39.8	<u>14</u>
	<i>Well ID:</i> 7141308		
	40 BEECHCLIFFE ST. OTTAWA ON	40.5	<u>15</u>
	<i>Well ID:</i> 7150709		
	WOODROFFAVE & KNOXDALE ROAD lot 32 con 2 NEPEAN ON	52.5	<u>17</u>
	<i>Well ID:</i> 7246346		
	KNOXDALE RD @ WOODROFFE Ottawa ON	59.6	<u>18</u>
	<i>Well ID:</i> 7145546		
	lot 31 con 2 ON	274.7	<u>35</u>
	<i>Well ID:</i> 1506021		



Map: 0.3 Kilometer Radius

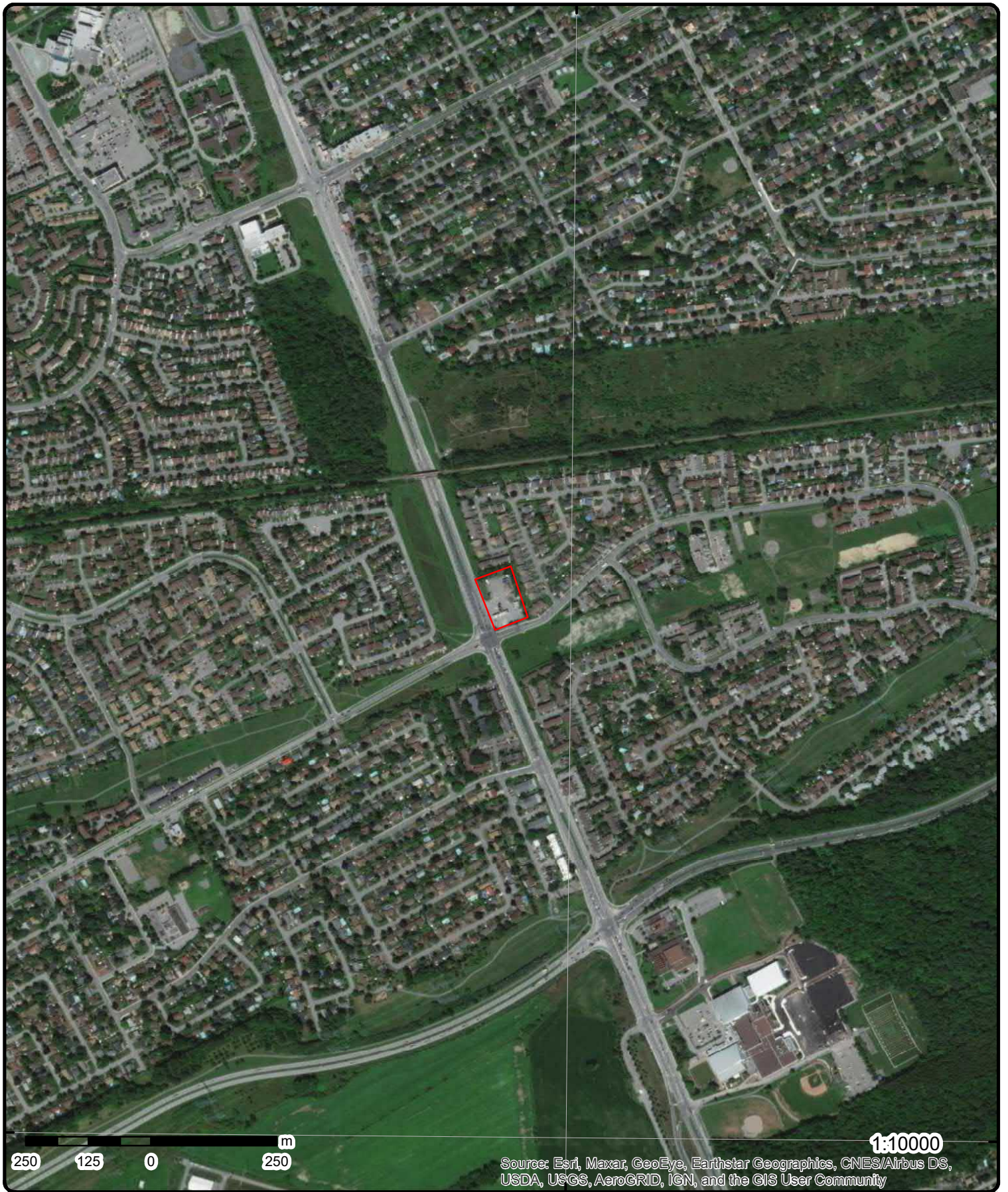
Order Number: 21072000314

Address: 1545 Woodroffe Ave, Nepean, 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
	Ferry Route/Ice Road		

75°45'W



45°19'30"N

45°19'30"N

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial Year: 2020

Order Number: 21072000314

Address: 1545 Woodroffe Ave, Nepean, ON



Source: ESRI World Imagery

© ERIS Information Limited Partnership

75°46'30"W

75°45'W

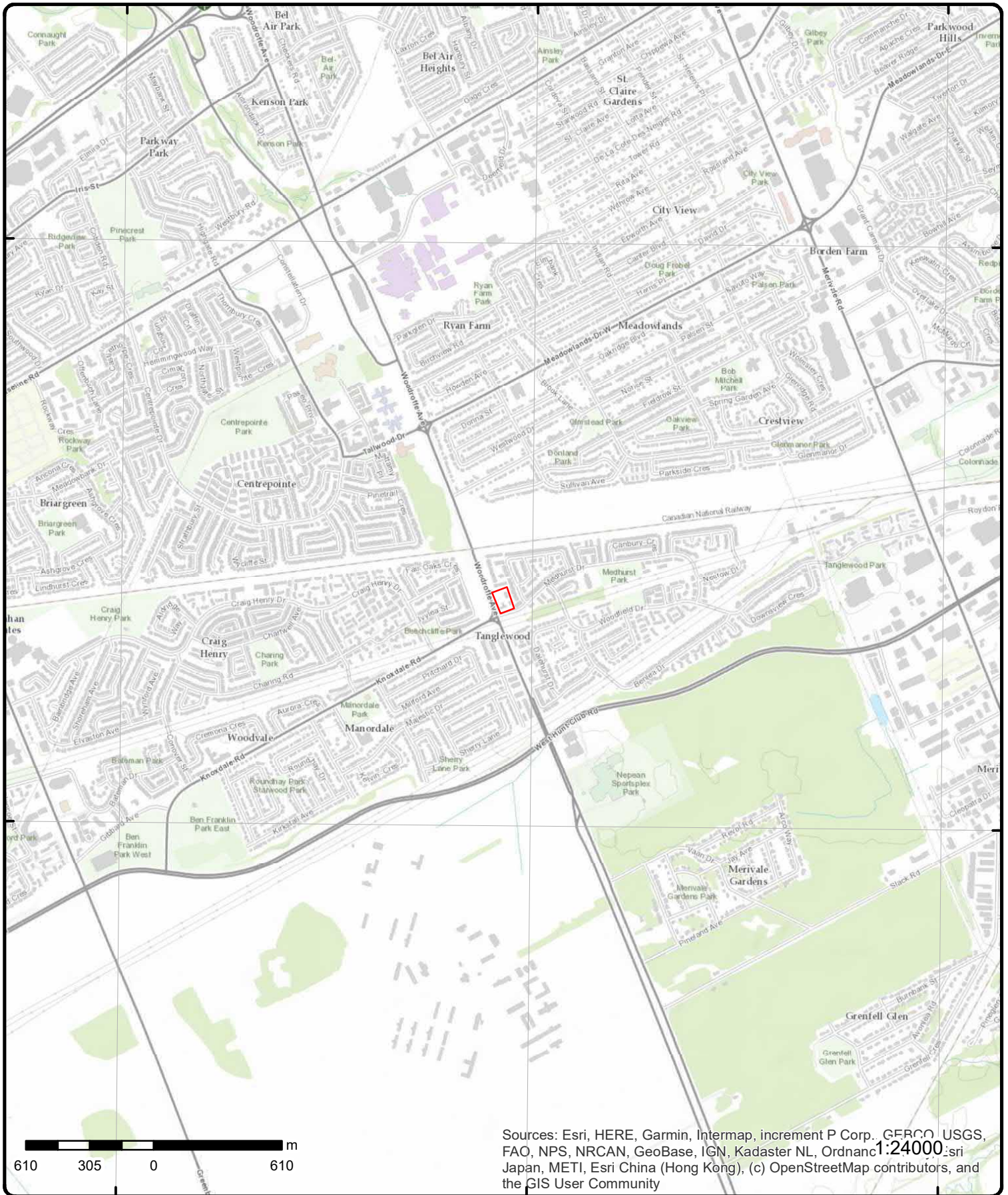
75°43'30"W

45°21'N

45°21'N

45°19'30"N

45°19'30"N



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: 1545 Woodroffe Ave, ON

Source: ESRI World Topographic Map

Order Number: 21072000314



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 65	SSW/0.0	83.8 / 0.01	IMPERIAL OIL LIMITED 1545 WOODROFFE AVENUE NEPEAN CITY ON K2G 1W2	CA
Certificate #: 8-4106-93- Application Year: 93 Issue Date: 9/30/1993 Approval Type: Industrial air Status: Cancelled Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: KITCHEN EXHAUST FAN FOR TIM HORTONS Contaminants: Emission Control:					
<u>1</u>	2 of 65	SSW/0.0	83.8 / 0.01	IMPERIAL OIL LIMITED 1545 WOODROFFE AVE./TIM HORTON NEPEAN CITY ON K2G 1W2	CA
Certificate #: 8-4106-93- Application Year: 93 Issue Date: 2/16/1994 Approval Type: Industrial air Status: Approved in 1994 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: KTICHEN EXHAUST Contaminants: Odour/Fumes Emission Control: Panel Filter					
<u>1</u>	3 of 65	SSW/0.0	83.8 / 0.01	QUEENSWAY TANK LINES 1545 WOODROFFE AVE ESSO SERVICE STATION. TANK TRUCK (CARGO) NEPEAN CITY ON K2G 1W2	SPL
Ref No: 87899 Site No: Incident Dt: 7/3/1993 Year: Incident Cause: PIPE/HOSE LEAK Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No		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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1:					
Environment Impact:	NOT ANTICIPATED			Site Municipality: 20104	
Nature of Impact:				Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	7/3/1993			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	ERROR			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	QUEENSWAY TANK LINES- 4L GASOLINE TO PAVEMENT AT SERVICE STAT., CLEANED UP				
Contaminant Qty:					
<u>1</u>	4 of 65	SSW/0.0	83.8 / 0.01	1070427 ONTARIO LTD O/A WOODROFFE ESSO 1545 WOODRUFFE AV NEPEAN ON K2G1W2	PRT
Location ID:	9653				
Type:	retail				
Expiry Date:	1995-09-30				
Capacity (L):	118000				
Licence #:	0076426758				
<u>1</u>	5 of 65	SSW/0.0	83.8 / 0.01	ESSO TIGER EXPRESS 1545 WOODROFFE AVE NEPEAN ON K2G1W2	RST
Headcode:	1186800				
Headcode Desc:	Service Stations-Gasoline, Oil & Natural Gas				
Phone:	6132266456				
List Name:					
Description:					
<u>1</u>	6 of 65	SSW/0.0	83.8 / 0.01	ESSO 1545 WOODROFFE AVE NEPEAN ON K2G 1W2	RST
Headcode:	1186800				
Headcode Desc:	Service Stations-Gasoline, Oil & Natural Gas				
Phone:	6132266456				
List Name:					
Description:					
<u>1</u>	7 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON K2G 1W2	FSTH
License Issue Date:	3/1/2002				
Tank Status:	Licensed				
Tank Status As Of:	August 2007				
Operation Type:	Retail Fuel Outlet				
Facility Type:	Gasoline Station - Self Serve				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		13600			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		13600			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
1	8 of 65	SSW/0.0	83.8 / 0.01	1545 Woodroffe Avenue Nepean ON K2G 1W2	EHS
Order No:	20081022045			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	10/31/2008			Search Radius (km):	0.25
Date Received:	10/22/2008			X:	-75.751832
Previous Site Name:				Y:	45.334435
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans				
1	9 of 65	SSW/0.0	83.8 / 0.01	ESSO GAS STATION 1545 WOODROFFE AVE NEPEAN ON K2G 1W2	RST
Headcode:	01186800				
Headcode Desc:	SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS				
Phone:					
List Name:					
Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	10 of 65	SSW/0.0	83.8 / 0.01	1545 Woodroffe Avenue, Nepean Ottawa ON	SPL
Ref No:	2153-7M9S5K			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Tank (Underground) Leak			Sector Type:	Service Station
Incident Event:				Agency Involved:	
Contaminant Code:	12			Nearest Watercourse:	
Contaminant Name:	GASOLINE			Site Address:	
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:	Groundwater Pollution			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	12/12/2008			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	TSSA - Fuel Safety Branch
Incident Reason:	Unknown - Reason not determined			Source Type:	
Site Name:	Gas Station<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA - Leak of gasoline from underground tank to groundwater				
Contaminant Qty:					

<u>1</u>	11 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON K2G 1W2	FSTH
License Issue Date:	3/1/2002				
Tank Status:	Licensed				
Tank Status As Of:	December 2008				
Operation Type:	Retail Fuel Outlet				
Facility Type:	Gasoline Station - Self Serve				
--Details--					
Status:	Active				
Year of Installation:	1981				
Corrosion Protection:					
Capacity:	13600				
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline				
Status:	Active				
Year of Installation:	1981				
Corrosion Protection:					
Capacity:	13600				
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline				
Status:	Active				
Year of Installation:	1981				
Corrosion Protection:					
Capacity:	22700				
Tank Fuel Type:	Liquid Fuel Single Wall UST - Gasoline				
Status:	Active				
Year of Installation:	1981				
Corrosion Protection:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1981			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
Status:		Active			
Year of Installation:		1986			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1986			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1986			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1986			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1986			
Corrosion Protection:					
Capacity:		13600			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1986			
Corrosion Protection:					
Capacity:		13600			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			

<u>1</u>	12 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil Limited 1545 Woodroffe Ave Ottawa ON	SPL
Ref No:	8523-8KZNNG			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	6/27/2011			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Other Discharges			Sector Type:	Other
Incident Event:				Agency Involved:	
Contaminant Code:	12			Nearest Watercourse:	
Contaminant Name:	GASOLINE			Site Address:	1545 Woodroffe Ave
Contaminant Limit 1:				Site District Office:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam Limit Freq 1: Contaminant UN No 1:				Site Postal Code: Site Region:	
Environment Impact: Not Anticipated Nature of Impact: Groundwater Pollution Receiving Medium: Receiving Env: MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt: 8/23/2011 Dt Document Closed: Incident Reason: Spill Site Name: Woodroffe Ave and Medhurst Site<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Imperial Oil: gasoline into groundwater wells, clnd Contaminant Qty: 0.25 L				Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch Source Type:	

<u>1</u>	13 of 65	SSW/0.0	83.8 / 0.01	1545 WOODROFFE AVENUE NEPEAN ON K2G 1W2	HINC
External File Num: FS INC 0812-07778 Fuel Occurrence Type: Discovery of a Petroleum Product Date of Occurrence: 12/12/2008 Fuel Type Involved: Gasoline Status Desc: Completed - No Action Required Job Type Desc: Incident/Near-Miss Occurrence (FS) Oper. Type Involved: Retail Fuel Station (FS, SS, Multifunctional) Service Interruptions: No Property Damage: No Fuel Life Cycle Stage: Storage and Dispensing Root Cause: Reported Details: Imperial Oil Fuel Category: Liquid Fuel Occurrence Type: Incident Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) County Name: Ottawa Approx. Quant. Rel: Nearby body of water: Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					

<u>1</u>	14 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No: 11296320 Status: EXPIRED Instance ID: 76753 Instance Type: FS Piping Description: FS Piping TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Original Source:		EXP			
Record Date:		Up to Mar 2012			

1	15 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 10870894
Status: EXPIRED
Instance ID: 47557
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

1	16 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 11515507
Status: EXPIRED
Instance ID: 88017
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source: EXP
Record Date: Up to Mar 2012

1	17 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 10870909
Status: EXPIRED
Instance ID: 48005
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Facility Type: Expired Date: Original Source: EXP Record Date: Up to Mar 2012					
1	18 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
<u>Delisted Expired Fuel Safety Facilities</u> Instance No: 10870876 Status: EXPIRED Instance ID: 47828 Instance Type: FS Piping Description: FS Piping TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Original Source: EXP Record Date: Up to Mar 2012					
1	19 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
<u>Delisted Expired Fuel Safety Facilities</u> Instance No: 10870839 Status: EXPIRED Instance ID: 48111 Instance Type: FS Piping Description: FS Piping TSSA Program Area: Maximum Hazard Rank: Facility Type: Expired Date: Original Source: EXP Record Date: Up to Mar 2012					
1	20 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
<u>Delisted Expired Fuel Safety Facilities</u> Instance No: 10870924 Status: EXPIRED Instance ID: 48116 Instance Type: FS Piping Description: FS Piping					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source:
Record Date:

EXP
Up to Mar 2012

<u>1</u>	21 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 10870861
Status: EXPIRED
Instance ID: 48071
Instance Type: FS Piping
Description: FS Piping
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:
Original Source:
Record Date:

10870861
EXPIRED
48071
FS Piping
FS Piping

EXP
Up to Mar 2012

<u>1</u>	22 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Avenue Nepean ON	GEN
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Generator No: ON7721580
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

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

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

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

<u>1</u>	23 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Avenue Nepean ON	GEN
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Generator No: ON7721580
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 447190
SIC Description: Other Gasoline Stations

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

Detail(s)

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			

<u>1</u>	24 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Avenue Nepean ON	GEN
Generator No:	ON7721580			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	447190				
SIC Description:	Other Gasoline Stations				

Detail(s)

Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				

<u>1</u>	25 of 65	SSW/0.0	83.8 / 0.01	MAC'S CONVENIENCE STORES INC 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:	62960862			Manufacturer:	NULL
Status:	Active			Serial No:	NULL
Cont Name:				Ulc Standard:	NULL
Instance Type:	FS Liquid Fuel Tank			Quantity:	1
Item:	FS LIQUID FUEL TANK			Unit of Measure:	EA
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Diesel
Tank Type:	Double Wall UST			Fuel Type2:	NULL
Install Date:	5/4/2009			Fuel Type3:	NULL
Install Year:	2009			Piping Steel:	
Years in Service:	1.9			Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	25000			Num Underground:	
Tank Material:	Fiberglass (FRP)			Panam Related:	NULL
Corrosion Protect:	NULL			Panam Venue:	NULL
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				
Device Installed Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

Fuel Storage Tank Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Owner Account Name:		MAC'S CONVENIENCE STORES INC			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:		NULL			
Owner Account Name:		MAC'S CONVENIENCE STORES INC			

<u>1</u>	26 of 65	SSW/0.0	83.8 / 0.01	MAC'S CONVENIENCE STORES INC 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:		62960863		Manufacturer: NULL	
Status:		Active		Serial No: NULL	
Cont Name:				Ulc Standard: NULL	
Instance Type:		FS Liquid Fuel Tank		Quantity: 1	
Item:		FS LIQUID FUEL TANK		Unit of Measure: EA	
Item Description:		FS Liquid Fuel Tank		Fuel Type: Gasoline	
Tank Type:		Double Wall UST		Fuel Type2: NULL	
Install Date:		5/4/2009		Fuel Type3: NULL	
Install Year:		2009		Piping Steel:	
Years in Service:		1.9		Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:		50000		Num Underground:	
Tank Material:		Fiberglass (FRP)		Panam Related: NULL	
Corrosion Protect:		NULL		Panam Venue: NULL	
Overfill Protect:					
Facility Type:		FS Liquid Fuel Tank			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Location:		1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA			
Device Installed Location:		1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA			

<u>Fuel Storage Tank Details</u>					
Owner Account Name:		MAC'S CONVENIENCE STORES INC			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:		NULL			
Owner Account Name:		MAC'S CONVENIENCE STORES INC			

<u>1</u>	27 of 65	SSW/0.0	83.8 / 0.01	MAC'S CONVENIENCE STORES INC 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:		62960861		Manufacturer: NULL	
Status:		Active		Serial No: NULL	
Cont Name:				Ulc Standard: NULL	
Instance Type:		FS Liquid Fuel Tank		Quantity: 1	
Item:		FS LIQUID FUEL TANK		Unit of Measure: EA	
Item Description:		FS Liquid Fuel Tank		Fuel Type: Gasoline	
Tank Type:		Double Wall UST		Fuel Type2: NULL	
Install Date:		5/4/2009		Fuel Type3: NULL	
Install Year:		2009		Piping Steel:	
Years in Service:		1.9		Piping Galvanized:	
Model:		NULL		Tanks Single Wall St:	
Description:		Piping Underground:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Capacity: 50000
Tank Material: Fiberglass (FRP)
Corrosion Protect: NULL
Overfill Protect: NULL
Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA
Device Installed Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA

Num Underground:
Panam Related: NULL
Panam Venue: NULL

Fuel Storage Tank Details

Owner Account Name: MAC'S CONVENIENCE STORES INC

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: MAC'S CONVENIENCE STORES INC

<u>1</u>	28 of 65	SSW/0.0	83.8 / 0.01	MAC'S CONVENIENCE STORES INC 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
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Instance No: 62960859
Status: Active
Cont Name:
Instance Type: FS Liquid Fuel Tank
Item: FS LIQUID FUEL TANK
Item Description: FS Liquid Fuel Tank
Tank Type: Double Wall UST
Install Date: 5/4/2009
Install Year: 2009
Years in Service: 1.9
Model: NULL
Description:
Capacity: 50000
Tank Material: Fiberglass (FRP)
Corrosion Protect: NULL
Overfill Protect: NULL
Facility Type: FS Liquid Fuel Tank
Parent Facility Type: FS Gasoline Station - Self Serve
Facility Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA
Device Installed Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA

Manufacturer: NULL
Serial No: NULL
Ulc Standard: NULL
Quantity: 1
Unit of Measure: EA
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
Num Underground:
Panam Related: NULL
Panam Venue: NULL

Fuel Storage Tank Details

Owner Account Name: MAC'S CONVENIENCE STORES INC

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: MAC'S CONVENIENCE STORES INC

<u>1</u>	29 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Avenue Nepean ON	GEN
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Generator No: ON7721580
Status:
Approval Years: 2012
PO Box No:
Country:
Choice of Contact:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: 447190 SIC Description: Other Gasoline Stations				Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 221					
Waste Class Desc: LIGHT FUELS					
Waste Class: 251					
Waste Class Desc: OIL SKIMMINGS & SLUDGES					
Waste Class: 252					
Waste Class Desc: WASTE OILS & LUBRICANTS					
<u>1</u>	30 of 65	SSW/0.0	83.8 / 0.01	ESSO GAS STATION 1545 WOODROFFE AVE NEPEAN ON K2G1W2	RST
Headcode: 01186800					
Headcode Desc: SERVICE STATIONS GASOLINE OIL & NATURAL					
Phone: 6132266456					
List Name:					
Description:					
<u>1</u>	31 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Avenue Nepean ON	GEN
Generator No: ON7721580					
Status:					
Approval Years: 2013					
Contam. Facility:					
MHSW Facility:					
SIC Code: 447190					
SIC Description:					
PO Box No:					
Country:					
Choice of Contact:					
Co Admin:					
Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 252					
Waste Class Desc: WASTE OILS & LUBRICANTS					
Waste Class: 251					
Waste Class Desc: OIL SKIMMINGS & SLUDGES					
Waste Class: 221					
Waste Class Desc: LIGHT FUELS					
<u>1</u>	32 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No: 10870900		Model: NULL			
Status: EXPIRED		Quantity: 1			
Instance ID:		Unit of Measure: EA			
Instance Type:		Fuel Type2: NULL			
Instance Creation Dt: 7/19/2000 8:15:15 PM		Fuel Type3: NULL			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Install Dt:	5/4/2009			Piping Steel:	
Item:				Piping Galvanized:	
Item Description:	FS Liquid Fuel Tank			Tank Single Wall St:	
Facility Type:	FS LIQUID FUEL TANK			Piping Underground:	
Overfill Prot Type:	NULL			Tank Underground:	
Creation Date:	7/5/2009 1:21:42 AM			Panam Related:	NULL
Expired Date:				Panam Venue Nm:	NULL
Manufacturer:	NULL				
Source:	FS Liquid Fuel Tank				
Description:	UNDERGROUND TANK				
Serial No:	NULL				
Ulc Standard:	NULL				
Facility Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

<u>1</u>	33 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:	10870830			Model:	NULL
Status:	EXPIRED			Quantity:	1
Instance ID:				Unit of Measure:	EA
Instance Type:				Fuel Type2:	NULL
Instance Creation Dt:	7/19/2000 8:15:15 PM			Fuel Type3:	NULL
Instance Install Dt:	5/4/2009			Piping Steel:	
Item:				Piping Galvanized:	
Item Description:	FS Liquid Fuel Tank			Tank Single Wall St:	
Facility Type:	FS LIQUID FUEL TANK			Piping Underground:	
Overfill Prot Type:	NULL			Tank Underground:	
Creation Date:	7/5/2009 1:21:45 AM			Panam Related:	NULL
Expired Date:				Panam Venue Nm:	NULL
Manufacturer:	NULL				
Source:	FS Liquid Fuel Tank				
Description:	UNDERGROUND TANK				
Serial No:	NULL				
Ulc Standard:	NULL				
Facility Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

<u>1</u>	34 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:	10870917			Model:	NULL
Status:	EXPIRED			Quantity:	1
Instance ID:				Unit of Measure:	EA
Instance Type:				Fuel Type2:	NULL
Instance Creation Dt:	7/19/2000 8:15:15 PM			Fuel Type3:	NULL
Instance Install Dt:	5/4/2009			Piping Steel:	
Item:				Piping Galvanized:	
Item Description:	FS Liquid Fuel Tank			Tank Single Wall St:	
Facility Type:	FS LIQUID FUEL TANK			Piping Underground:	
Overfill Prot Type:	NULL			Tank Underground:	
Creation Date:	7/5/2009 1:21:45 AM			Panam Related:	NULL
Expired Date:				Panam Venue Nm:	NULL
Manufacturer:	NULL				
Source:	FS Liquid Fuel Tank				
Description:	UNDERGROUND TANK				
Serial No:	NULL				
Ulc Standard:	NULL				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Facility Location:		1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA			
<u>1</u>	35 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:	10870869	Model:	NULL	Quantity:	1
Status:	EXPIRED	Unit of Measure:	EA	Fuel Type2:	NULL
Instance ID:		Fuel Type3:	NULL	Piping Steel:	
Instance Type:		Piping Galvanized:		Tank Single Wall St:	
Instance Creation Dt:	7/19/2000 8:15:15 PM	Tank Underground:		Panam Related:	NULL
Instance Install Dt:	5/4/2009	Panam Venue Nm:	NULL		
Item:					
Item Description:	FS Liquid Fuel Tank				
Facility Type:	FS LIQUID FUEL TANK				
Overfill Prot Type:	NULL				
Creation Date:	7/5/2009 1:21:46 AM				
Expired Date:					
Manufacturer:	NULL				
Source:	FS Liquid Fuel Tank				
Description:	UNDERGROUND TANK				
Serial No:	NULL				
Ulc Standard:	NULL				
Facility Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				
<u>1</u>	36 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:	10870852	Model:	NULL	Quantity:	1
Status:	EXPIRED	Unit of Measure:	EA	Fuel Type2:	NULL
Instance ID:		Fuel Type3:	NULL	Piping Steel:	
Instance Type:		Piping Galvanized:		Tank Single Wall St:	
Instance Creation Dt:	7/19/2000 8:15:15 PM	Tank Underground:		Panam Related:	NULL
Instance Install Dt:	5/4/2009	Panam Venue Nm:	NULL		
Item:					
Item Description:	FS Liquid Fuel Tank				
Facility Type:	FS LIQUID FUEL TANK				
Overfill Prot Type:	NULL				
Creation Date:	7/5/2009 1:21:48 AM				
Expired Date:					
Manufacturer:	NULL				
Source:	FS Liquid Fuel Tank				
Description:	UNDERGROUND TANK				
Serial No:	NULL				
Ulc Standard:	NULL				
Facility Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				
<u>1</u>	37 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:	10870885	Model:	NULL	Quantity:	1
Status:	EXPIRED				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance ID: Instance Type: Instance Creation Dt: 7/19/2000 8:15:15 PM Instance Install Dt: 5/4/2009 Item: Item Description: FS Liquid Fuel Tank Facility Type: FS LIQUID FUEL TANK Overfill Prot Type: NULL Creation Date: 7/5/2009 1:21:53 AM Expired Date: Manufacturer: NULL Source: FS Liquid Fuel Tank Description: UNDERGROUND TANK Serial No: NULL Ulc Standard: NULL Facility Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				Unit of Measure: EA Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Panam Related: NULL Panam Venue Nm: NULL	

<u>1</u>	38 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No: 11296299 Status: EXPIRED Instance ID: Instance Type: Instance Creation Dt: 10/13/1994 Instance Install Dt: 10/13/1994 Item: Item Description: FS Liquid Fuel Tank Facility Type: FS LIQUID FUEL TANK Overfill Prot Type: NULL Creation Date: 7/5/2009 1:24:35 AM Expired Date: Manufacturer: NULL Source: FS Liquid Fuel Tank Description: 2009VBS - Duplicate Data Serial No: NULL Ulc Standard: NULL Facility Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				Model: NULL Quantity: 1 Unit of Measure: EA Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Panam Related: NULL Panam Venue Nm: NULL	

<u>1</u>	39 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No: 11296282 Status: EXPIRED Instance ID: Instance Type: Instance Creation Dt: 10/13/1994 Instance Install Dt: 10/13/1994 Item: Item Description: FS Liquid Fuel Tank Facility Type: FS LIQUID FUEL TANK Overfill Prot Type: NULL Creation Date: 7/5/2009 1:24:35 AM Expired Date: Manufacturer: NULL Source: FS Liquid Fuel Tank				Model: NULL Quantity: 1 Unit of Measure: EA Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Panam Related: NULL Panam Venue Nm: NULL	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Description:		2009VBS - Duplicate Data			
Serial No:		NULL			
Ulc Standard:		NULL			
Facility Location:		1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA			
<u>1</u>	40 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:		11296315		Model: NULL	
Status:		EXPIRED		Quantity: 1	
Instance ID:				Unit of Measure: EA	
Instance Type:				Fuel Type2: NULL	
Instance Creation Dt:		10/13/1994		Fuel Type3: NULL	
Instance Install Dt:		10/13/1994		Piping Steel:	
Item:				Piping Galvanized:	
Item Description:		FS Liquid Fuel Tank		Tank Single Wall St:	
Facility Type:		FS LIQUID FUEL TANK		Piping Underground:	
Overfill Prot Type:		NULL		Tank Underground:	
Creation Date:		7/5/2009 1:24:37 AM		Panam Related: NULL	
Expired Date:				Panam Venue Nm: NULL	
Manufacturer:		NULL			
Source:		FS Liquid Fuel Tank			
Description:		2009VBS - Duplicate Data			
Serial No:		NULL			
Ulc Standard:		NULL			
Facility Location:		1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA			
<u>1</u>	41 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:		11296288		Model: NULL	
Status:		EXPIRED		Quantity: 1	
Instance ID:				Unit of Measure: EA	
Instance Type:				Fuel Type2: NULL	
Instance Creation Dt:		10/13/1994		Fuel Type3: NULL	
Instance Install Dt:		10/13/1994		Piping Steel:	
Item:				Piping Galvanized:	
Item Description:		FS Liquid Fuel Tank		Tank Single Wall St:	
Facility Type:		FS LIQUID FUEL TANK		Piping Underground:	
Overfill Prot Type:		NULL		Tank Underground:	
Creation Date:		7/5/2009 1:24:40 AM		Panam Related: NULL	
Expired Date:				Panam Venue Nm: NULL	
Manufacturer:		NULL			
Source:		FS Liquid Fuel Tank			
Description:		2009VBS - Duplicate Data			
Serial No:		NULL			
Ulc Standard:		NULL			
Facility Location:		1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA			
<u>1</u>	42 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance No:	11296308			Model:	NULL
Status:	EXPIRED			Quantity:	1
Instance ID:				Unit of Measure:	EA
Instance Type:				Fuel Type2:	NULL
Instance Creation Dt:	10/13/1994			Fuel Type3:	NULL
Instance Install Dt:	10/13/1994			Piping Steel:	
Item:				Piping Galvanized:	
Item Description:	FS Liquid Fuel Tank			Tank Single Wall St:	
Facility Type:	FS LIQUID FUEL TANK			Piping Underground:	
Overfill Prot Type:	NULL			Tank Underground:	
Creation Date:	7/5/2009 1:24:40 AM			Panam Related:	NULL
Expired Date:				Panam Venue Nm:	NULL
Manufacturer:	NULL				
Source:	FS Liquid Fuel Tank				
Description:	2009VBS - Duplicate Data				
Serial No:	NULL				
Ulc Standard:	NULL				
Facility Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

<u>1</u>	43 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	EXP
Instance No:	11296305			Model:	NULL
Status:	EXPIRED			Quantity:	1
Instance ID:				Unit of Measure:	EA
Instance Type:				Fuel Type2:	NULL
Instance Creation Dt:	10/13/1994			Fuel Type3:	NULL
Instance Install Dt:	10/13/1994			Piping Steel:	
Item:				Piping Galvanized:	
Item Description:	FS Liquid Fuel Tank			Tank Single Wall St:	
Facility Type:	FS LIQUID FUEL TANK			Piping Underground:	
Overfill Prot Type:	NULL			Tank Underground:	
Creation Date:	7/5/2009 1:24:41 AM			Panam Related:	NULL
Expired Date:				Panam Venue Nm:	NULL
Manufacturer:	NULL				
Source:	FS Liquid Fuel Tank				
Description:	2009VBS - Duplicate Data				
Serial No:	NULL				
Ulc Standard:	NULL				
Facility Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

<u>1</u>	44 of 65	SSW/0.0	83.8 / 0.01	1545 WOODROFFE AVE NEPEAN ON	EHS
Order No:	20150427152			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	01-MAY-15			Search Radius (km):	.25
Date Received:	27-APR-15			X:	-75.752142
Previous Site Name:				Y:	45.335134
Lot/Building Size:					
Additional Info Ordered:					

<u>1</u>	45 of 65	SSW/0.0	83.8 / 0.01	1545 Woodroffe Ave Ottawa ON K2G1W2	EHS
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20141105066 Status: C Report Type: Standard Report Report Date: 12-NOV-14 Date Received: 05-NOV-14 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans					
<u>1</u>	46 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Ave Nepean ON K2G 1W2	GEN
Generator No: ON5205239 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 412110 SIC Description: PETROLEUM PRODUCT WHOLESALER-DISTRIBUTORS					
PO Box No: Country: Canada Choice of Contact: CO_ADMIN Co Admin: Nicole Bradley Phone No Admin: 519-652-0099 Ext.4301					
<u>Detail(s)</u>					
Waste Class: 221 Waste Class Desc: LIGHT FUELS					
<u>1</u>	47 of 65	SSW/0.0	83.8 / 0.01	Mac's Convenience Stores Inc. 1545 Woodroffe Avenue Ottawa ON K2G1W2	GEN
Generator No: ON7303833 Status: Approval Years: 2016 Contam. Facility: No MHSW Facility: No SIC Code: 447110 SIC Description: 447110					
PO Box No: Country: Canada Choice of Contact: CO_ADMIN Co Admin: Kathryn Maton Phone No Admin: 613-617-9237 Ext.					
<u>Detail(s)</u>					
Waste Class: 221 Waste Class Desc: LIGHT FUELS					
<u>1</u>	48 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Avenue Nepean ON K2G 1W2	GEN
Generator No: ON7721580 Status: Approval Years: 2015 Contam. Facility: No MHSW Facility: No SIC Code: 447190 SIC Description: 447190					
PO Box No: Country: Canada Choice of Contact: CO_ADMIN Co Admin: Leah Dolinski Phone No Admin: 905-569-4119 Ext.					
<u>Detail(s)</u>					
Waste Class: 252 Waste Class Desc: WASTE OILS & LUBRICANTS					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
<u>1</u>	49 of 65	SSW/0.0	83.8 / 0.01	Imperial Oil 1545 Woodroffe Avenue Nepean ON K2G 1W2	GEN
Generator No:	ON7721580			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_ADMIN
Contam. Facility:	No			Co Admin:	Leah Dolinski
MHSW Facility:	No			Phone No Admin:	905-569-4119 Ext.
SIC Code:	447190				
SIC Description:	447190				
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
<u>1</u>	50 of 65	SSW/0.0	83.8 / 0.01	Mac's Convenience Stores Inc. 1545 Woodroffe Avenue Nepean ON K2G 1W2	GEN
Generator No:	ON6772902			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:					
<u>Detail(s)</u>					
Waste Class:		221 L			
Waste Class Desc:		Light fuels			
<u>1</u>	51 of 65	SSW/0.0	83.8 / 0.01	MAC'S CONVENIENCE STORES INC 1545 WOODROFFE AV,,NEPEAN,ON,K2G 1W2, CA ON	INC
Incident No:	647768			Any Health Impact:	
Incident ID:				Any Enviro Impact:	
Instance No:	9735974			Service Interrupted:	
Status Code:				Was Prop Damaged:	
Attribute Category:	FS-Incident			Reside App. Type:	
Context:	FS Facility			Commer App. Type:	
Date of Occurrence:	8/23/2011			Indus App. Type:	
Time of Occurrence:				Institut App. Type:	
Incident Created On:	8/23/2011			Venting Type:	
Instance Creation Dt:	7/19/2000 8:15:15 PM			Vent Conn Mater:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Instance Install Dt: Occur Insp Start Date: Approx Quant Rel: Tank Capacity: Fuels Occur Type: Fuel Type Involved: Enforcement Policy: Prc Escalation Req: Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Cap: Task No: Notes: Drainage System: Sub Surface Contam.: Aff Prop Use Water: Contam. Migrated: Contact Natural Env: Incident Location: Occurrence Narrative: Operation Type Involved: Item: Item Description: Device Installed Location:	7/19/2000 8:15:15 PM			Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Liquid Prop Notes: Equipment Type: Equipment Model: Serial No: Cylinder Capacity: Cylinder Cap Units: Cylinder Mat Type: Near Body of Water: 1545 WOODROFFE AV,,NEPEAN,ON,K2G 1W2,CA FS GASOLINE STATION - SELF SERVE FS Gasoline Station - Self Serve 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA	

<u>1</u>	52 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No: Status: Cont Name: Instance Type: Item: Item Description: Tank Type: Install Date: Install Year: Years in Service: Model: Description: Capacity: Tank Material: Corrosion Protect: Overfill Protect: Facility Type: Parent Facility Type: Facility Location: Device Installed Location:	10870869 FS LIQUID FUEL TANK FS Liquid Fuel Tank Liquid Fuel Single Wall UST 5/4/2009 1981 NULL 22700 Steel FS Liquid Fuel Tank 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA			Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Fuel Type2: Fuel Type3: Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: Num Underground: Panam Related: Panam Venue:	Gasoline NULL NULL
<u>Fuel Storage Tank Details</u>					
Owner Account Name:	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS				

<u>1</u>	53 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON	FST
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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CA
ON

Instance No: 10870852
Status:
Cont Name:
Instance Type:
Item: FS LIQUID FUEL TANK
Item Description: FS Liquid Fuel Tank
Tank Type: Liquid Fuel Single Wall UST
Install Date: 5/4/2009
Install Year: 1981
Years in Service:
Model: NULL
Description:
Capacity: 13600
Tank Material: Steel
Corrosion Protect:
Overfill Protect:
Facility Type: FS Liquid Fuel Tank
Parent Facility Type:
Facility Location:
Device Installed Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type: Gasoline
Fuel Type2: NULL
Fuel Type3: NULL
Piping Steel:
Piping Galvanized:
Tanks Single Wall St:
Piping Underground:
Num Underground:
Panam Related:
Panam Venue:

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	54 of 65	SSW/0.0	83.8 / 0.01	1545 WOODROFFE AVE NEPEAN ON K2G 1W2	FST
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Instance No: 9735974
Status: Active
Cont Name:
Instance Type:
Item: FS GASOLINE STATION - SELF SERVE
Item Description:
Tank Type:
Install Date:
Install Year:
Years in Service:
Model:
Description:
Capacity:
Tank Material:
Corrosion Protect:
Overfill Protect:
Facility Type:
Parent Facility Type:
Facility Location:
Device Installed Location:

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:
Fuel Type:
Fuel Type2:
Fuel Type3:
Piping Steel: 0
Piping Galvanized: 0
Tanks Single Wall St: 0
Piping Underground: 3
Num Underground: 4
Panam Related:
Panam Venue:

<u>1</u>	55 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
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Instance No: 11296308
Status:
Cont Name:
Instance Type:
Item: FS LIQUID FUEL TANK

Manufacturer:
Serial No:
Ulc Standard:
Quantity:
Unit of Measure:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Item Description: FS Liquid Fuel Tank Tank Type: Liquid Fuel Single Wall UST Install Date: 10/13/1994 Install Year: 1986 Years in Service: Model: NULL Description: Capacity: 13600 Tank Material: Steel Corrosion Protect: Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: Facility Location: Device Installed Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA					
Fuel Type: Gasoline Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: Num Underground: Panam Related: Panam Venue:					

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	56 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No: 10870900 Status: Cont Name: Instance Type: Item: FS LIQUID FUEL TANK Item Description: FS Liquid Fuel Tank Tank Type: Liquid Fuel Single Wall UST Install Date: 5/4/2009 Install Year: 1981 Years in Service: Model: NULL Description: Capacity: 22700 Tank Material: Steel Corrosion Protect: Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: Facility Location: Device Installed Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA					
Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Fuel Type: Gasoline Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: Num Underground: Panam Related: Panam Venue:					

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	57 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No: 11296305 Status: Cont Name: Instance Type: Item: FS LIQUID FUEL TANK					
Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Item Description: FS Liquid Fuel Tank Tank Type: Liquid Fuel Single Wall UST Install Date: 10/13/1994 Install Year: 1986 Years in Service: Model: NULL Description: Capacity: 22700 Tank Material: Steel Corrosion Protect: Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: Facility Location: Device Installed Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA					
Fuel Storage Tank Details					
Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS					

<u>1</u>	58 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No: 11296282 Status: Cont Name: Instance Type: Item: FS LIQUID FUEL TANK Item Description: FS Liquid Fuel Tank Tank Type: Liquid Fuel Single Wall UST Install Date: 10/13/1994 Install Year: 1986 Years in Service: Model: NULL Description: Capacity: 22700 Tank Material: Steel Corrosion Protect: Overfill Protect: Facility Type: FS Liquid Fuel Tank Parent Facility Type: Facility Location: Device Installed Location: 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA					
Fuel Storage Tank Details					
Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS					

<u>1</u>	59 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No: 10870885 Status: Cont Name: Instance Type: Item: FS LIQUID FUEL TANK					
Manufacturer: Serial No: Ulc Standard: Quantity: Unit of Measure: Gasoline Fuel Type: NULL Fuel Type2: NULL Fuel Type3: NULL Piping Steel: Piping Galvanized: Tanks Single Wall St: Piping Underground: Num Underground: Panam Related: Panam Venue:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Item Description:	FS Liquid Fuel Tank			Fuel Type: Gasoline	
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2: NULL	
Install Date:	5/4/2009			Fuel Type3: NULL	
Install Year:	1981			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	22700			Num Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:				Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	60 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:	10870917			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:	FS LIQUID FUEL TANK			Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type: Diesel	
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2: NULL	
Install Date:	5/4/2009			Fuel Type3: NULL	
Install Year:	1981			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	22700			Num Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:				Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	61 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:	11296315			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:	FS LIQUID FUEL TANK			Unit of Measure:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Item Description:	FS Liquid Fuel Tank			Fuel Type: Diesel	
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2: NULL	
Install Date:	10/13/1994			Fuel Type3: NULL	
Install Year:	1986			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	13600			Num Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:				Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	62 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:	10870830			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:	FS LIQUID FUEL TANK			Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type: Gasoline	
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2: NULL	
Install Date:	5/4/2009			Fuel Type3: NULL	
Install Year:	1981			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	13600			Num Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:				Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	63 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:	11296299			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:	FS LIQUID FUEL TANK			Unit of Measure:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Item Description:	FS Liquid Fuel Tank			Fuel Type: Gasoline	
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2: NULL	
Install Date:	10/13/1994			Fuel Type3: NULL	
Install Year:	1986			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	22700			Num Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:				Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	64 of 65	SSW/0.0	83.8 / 0.01	1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS 1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA ON	FST
Instance No:	11296288			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:	FS LIQUID FUEL TANK			Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type: Gasoline	
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2: NULL	
Install Date:	10/13/1994			Fuel Type3: NULL	
Install Year:	1986			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	22700			Num Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:				Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	1545 WOODROFFE AV NEPEAN K2G 1W2 ON CA				

Fuel Storage Tank Details

Owner Account Name: 1070443 ONTARIO INC O/A WOODROFFE TIGER EXPRESS

<u>1</u>	65 of 65	SSW/0.0	83.8 / 0.01	Mac's Convenience Stores Inc. 1545 Woodroffe Avenue Nepean ON K2G 1W2	GEN
Generator No:	ON6772902			PO Box No:	
Status:	Registered			Country: Canada	
Approval Years:	As of Apr 2021			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					

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

Waste Class: 221 L
Waste Class Desc: Light fuels

Waste Class: 221 I
Waste Class Desc: Light fuels

2	1 of 1	NNE/0.0	83.8 / 0.01	lot 30 con 1 ON	WWIS
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Well ID:	7176824	Data Entry Status:	Yes
Construction Date:		Data Src:	
Primary Water Use:		Date Received:	2/16/2012
Sec. Water Use:		Selected Flag:	True
Final Well Status:		Abandonment Rec:	
Water Type:		Contractor:	1844
Casing Material:		Form Version:	5
Audit No:	M08754	Owner:	
Tag:	A110675	Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	030
Well Depth:		Concession:	01
Overburden/Bedrock:		Concession Name:	RF
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/717\7176824.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/10/06
Year Completed: 2011
Depth (m):
Latitude: 45.3347429262053
Longitude: -75.7517069667749
Path: 717\7176824.pdf

Bore Hole Information

Bore Hole ID:	1003694711	Elevation:	88.110542
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441100.00
Code OB Desc:		North83:	5020412.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	06-Oct-2011 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 2	SSW/0.0	83.8 / 0.01	1545 WOODROFFE AVE. Ottawa ON	WWIS
Well ID: 7122580 Construction Date: Primary Water Use: Monitoring Sec. Water Use: Final Well Status: Test Hole Water Type: Casing Material: Audit No: M04551 Tag: A074590 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: Date Received: 5/4/2009 Selected Flag: True Abandonment Rec: Contractor: 1844 Form Version: 5 Owner: Street Name: 1545 WOODROFFE AVE. County: OTTAWA Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122580.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2008/11/18 Year Completed: 2008 Depth (m): 6.1 Latitude: 45.3343831533048 Longitude: -75.7516639197229 Path: 712\7122580.pdf					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122580.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2008/11/18 Year Completed: 2008 Depth (m): Latitude: 45.3343927417894 Longitude: -75.7515747100841 Path: 712\7122580.pdf					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122580.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2008/11/18 Year Completed: 2008 Depth (m): Latitude: 45.334291467098 Longitude: -75.7519179534058 Path: 712\7122580.pdf					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122580.pdf			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2008/11/18			
Year Completed:		2008			
Depth (m):					
Latitude:		45.3342200501838			
Longitude:		-75.7518276720434			
Path:		712\7122580.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122580.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2008/11/17			
Year Completed:		2008			
Depth (m):					
Latitude:		45.3342383034315			
Longitude:		-75.7517896266166			
Path:		712\7122580.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122580.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2008/11/18			
Year Completed:		2008			
Depth (m):					
Latitude:		45.3342826345008			
Longitude:		-75.7518923118512			
Path:		712\7122580.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7122580.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2008/11/18			
Year Completed:		2008			
Depth (m):					
Latitude:		45.3344733274919			
Longitude:		-75.7516395879588			
Path:		712\7122580.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002757826		Elevation:	87.766204	
DP2BR:			Elevrc:		
Spatial Status:			Zone:	18	
Code OB:			East83:	441093.00	
Code OB Desc:			North83:	5020356.00	
Open Hole:			Org CS:	UTM83	
Cluster Kind:	This is a record from cluster log sheet		UTMRC:	3	
Date Completed:	17-Nov-2008 00:00:00		UTMRC Desc:	margin of error : 10 - 30 m	
Remarks:			Location Method:	wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1002757830			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002757829			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002757831			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002757833			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		1.79999995231628			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002757832			
Layer:					
Slot:					
Screen Top Depth:		1.70000004768372			
Screen End Depth:		4.30000019073486			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002757834			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1002757828			
Diameter:		20.0			
Depth From:					
Depth To:		4.300000190734863			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002757835			Elevation:	87.998268
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441110.00
Code OB Desc:				North83:	5020373.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	3
Date Completed:	18-Nov-2008 00:00:00			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002757839			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002757838			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002757840			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002757842			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					

<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>
<i>Depth To:</i>		1.79999995231628			
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>					
<i>Casing Depth UOM:</i>		m			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1002757841			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>		1.79999995231628			
<i>Screen End Depth:</i>		4.59999990463257			
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		m			
<i>Screen Diameter UOM:</i>					
<i>Screen Diameter:</i>					
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		1002757843			
<i>Pump Set At:</i>					
<i>Static Level:</i>					
<i>Final Level After Pumping:</i>					
<i>Recommended Pump Depth:</i>					
<i>Pumping Rate:</i>					
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>					
<i>Levels UOM:</i>					
<i>Rate UOM:</i>					
<i>Water State After Test Code:</i>					
<i>Water State After Test:</i>					
<i>Pumping Test Method:</i>					
<i>Pumping Duration HR:</i>					
<i>Pumping Duration MIN:</i>					
<i>Flowing:</i>					
<u>Hole Diameter</u>					
<i>Hole ID:</i>		1002757837			
<i>Diameter:</i>		20.0			
<i>Depth From:</i>					
<i>Depth To:</i>		4.599999904632568			
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
<u>Bore Hole Information</u>					
<i>Bore Hole ID:</i>	1002757871		<i>Elevation:</i>	87.706321	
<i>DP2BR:</i>			<i>Elevrc:</i>		
<i>Spatial Status:</i>			<i>Zone:</i>	18	
<i>Code OB:</i>			<i>East83:</i>	441085.00	
<i>Code OB Desc:</i>			<i>North83:</i>	5020361.00	
<i>Open Hole:</i>			<i>Org CS:</i>	UTM83	
<i>Cluster Kind:</i>	This is a record from cluster log sheet		<i>UTMRC:</i>	3	
<i>Date Completed:</i>	18-Nov-2008 00:00:00		<i>UTMRC Desc:</i>	margin of error : 10 - 30 m	
<i>Remarks:</i>			<i>Location Method:</i>	wwr	
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002757875			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002757874			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002757876			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002757878			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		4.59999990463257			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002757877			
Layer:					
Slot:					
Screen Top Depth:		4.59999990463257			
Screen End Depth:		5.09999990463257			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002757879			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1002757873
Diameter: 20.0
Depth From:
Depth To: 5.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1002420835	Elevation:	87.945335
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441103.00
Code OB Desc:		North83:	5020372.00
Open Hole:	No	Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	18-Nov-2008 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1002757882
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.30000001192092896
Formation End Depth: 1.0
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1002757881
Layer: 1
Color: 8
General Color: BLACK
Mat1: 27
Most Common Material: OTHER
Mat2:
Mat2 Desc:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0.0		
Formation End Depth:			0.30000001192092896		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002757884		
Layer:			4		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			4.5		
Formation End Depth:			6.099999904632568		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002757883		
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			06		
Mat2 Desc:			SILT		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			1.0		
Formation End Depth:			4.5		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1002757887		
Layer:			2		
Plug From:			0		
Plug To:			1		
Plug Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			1002757886		
Layer:			1		
Plug From:			1		
Plug To:			4.30000019073486		
Plug Depth UOM:			m		
<u>Method of Construction & Well Use</u>					
Method Construction ID:			1002757890		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1002757880			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Screen</u>					
Screen ID:		1002757888			
Layer:		1			
Slot:		10			
Screen Top Depth:					
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Hole Diameter</u>					
Hole ID:		1002757885			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:		1002757844		Elevation: 88.038253	
DP2BR:				Elevrc:	
Spatial Status:				Zone: 18	
Code OB:				East83: 441105.00	
Code OB Desc:				North83: 5020382.00	
Open Hole:				Org CS: UTM83	
Cluster Kind:		This is a record from cluster log sheet		UTMRC: 3	
Date Completed:		18-Nov-2008 00:00:00		UTMRC Desc: margin of error : 10 - 30 m	
Remarks:				Location Method: wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002757848			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		1002757847			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1002757849			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002757851			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		1.89999997615814			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002757850			
Layer:					
Slot:					
Screen Top Depth:		1.89999997615814			
Screen End Depth:		4.69999980926514			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002757852			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1002757846			
Diameter:		20.0			
Depth From:					
Depth To:		4.699999809265137			

<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>
<i>Hole Depth UOM:</i>		m			
<i>Hole Diameter UOM:</i>		cm			
<u>Bore Hole Information</u>					
<i>Bore Hole ID:</i>	1002757853			<i>Elevation:</i>	87.723709
<i>DP2BR:</i>				<i>Elevrc:</i>	
<i>Spatial Status:</i>				<i>Zone:</i>	18
<i>Code OB:</i>				<i>East83:</i>	441090.00
<i>Code OB Desc:</i>				<i>North83:</i>	5020354.00
<i>Open Hole:</i>				<i>Org CS:</i>	UTM83
<i>Cluster Kind:</i>	This is a record from cluster log sheet			<i>UTMRC:</i>	3
<i>Date Completed:</i>	18-Nov-2008 00:00:00			<i>UTMRC Desc:</i>	margin of error : 10 - 30 m
<i>Remarks:</i>				<i>Location Method:</i>	wwr
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>	1002757857				
<i>Layer:</i>					
<i>Plug From:</i>					
<i>Plug To:</i>					
<i>Plug Depth UOM:</i>					
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>	1002757856				
<i>Method Construction Code:</i>					
<i>Method Construction:</i>					
<i>Other Method Construction:</i>	HSA				
<u>Pipe Information</u>					
<i>Pipe ID:</i>	1002757858				
<i>Casing No:</i>	0				
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>	1002757860				
<i>Layer:</i>					
<i>Material:</i>	5				
<i>Open Hole or Material:</i>	PLASTIC				
<i>Depth From:</i>					
<i>Depth To:</i>	4.59999990463257				
<i>Casing Diameter:</i>					
<i>Casing Diameter UOM:</i>					
<i>Casing Depth UOM:</i>	m				
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>	1002757859				
<i>Layer:</i>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Slot:					
Screen Top Depth:			4.59999990463257		
Screen End Depth:			5.09999990463257		
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002757861			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1002757855			
Diameter:		20.0			
Depth From:					
Depth To:		5.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002757862			Elevation:	87.686218
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441083.00
Code OB Desc:				North83:	5020362.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	3
Date Completed:	18-Nov-2008 00:00:00			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002757866			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:			1002757865		
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:			1002757867		
Casing No:			0		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			1002757869		
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		1.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:			1002757868		
Layer:					
Slot:					
Screen Top Depth:		1.5			
Screen End Depth:		4.30000019073486			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:			1002757870		
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID:		1002757864			
Diameter:		20.0			
Depth From:					
Depth To:		4.300000190734863			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[3](#) 2 of 2 **SSW/0.0** **83.8 / 0.01** **1545 WOODROFFE AVE.
NEPEAN ON** **WWIS**

Well ID:	7129173	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:		Date Received:	9/3/2009
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Abandoned Monitoring and Test Hole	Abandonment Rec:	Yes
Water Type:		Contractor:	1844
Casing Material:		Form Version:	5
Audit No:	M04497	Owner:	
Tag:	A074590	Street Name:	1545 WOODROFFE AVE.
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	OTTAWA CITY
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
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/712\7129173.pdf

Additional Detail(s) (Map)

Well Completed Date: 2009/05/08
Year Completed: 2009
Depth (m):
Latitude: 45.3342200501838
Longitude: -75.7518276720434
Path: 712\7129173.pdf

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7129173.pdf

Additional Detail(s) (Map)

Well Completed Date: 2009/05/08
Year Completed: 2009
Depth (m):
Latitude: 45.3342383034315
Longitude: -75.7517896266166
Path: 712\7129173.pdf

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7129173.pdf

Additional Detail(s) (Map)

Well Completed Date: 2009/05/08
Year Completed: 2009
Depth (m):
Latitude: 45.334291467098

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Longitude:		-75.7519179534058			
Path:		712\7129173.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7129173.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:	2009/05/08				
Year Completed:	2009				
Depth (m):					
Latitude:	45.3342826345008				
Longitude:	-75.7518923118512				
Path:	712\7129173.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	1002820117			Elevation:	87.686218
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441083.00
Code OB Desc:				North83:	5020362.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	3
Date Completed:	08-May-2009 00:00:00			UTMRC Desc:	margin of error : 10 - 30 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1002820121				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1002820120				
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Hole Diameter</u>					
Hole ID:	1002820119				
Diameter:	20.0				
Depth From:					
Depth To:	4.300000190734863				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<u>Bore Hole Information</u>					
Bore Hole ID:	1002820122			Elevation:	87.723709

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: This is a record from cluster log sheet Date Completed: 08-May-2009 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		Elevrc: Zone: 18 East83: 441090.00 North83: 5020354.00 Org CS: UTM83 UTMRC: 3 UTMRC Desc: margin of error : 10 - 30 m Location Method: wwr			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID: 1002820126 Layer: Plug From: Plug To: Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID: 1002820125 Method Construction Code: Method Construction: Other Method Construction:					
<u>Hole Diameter</u>					
Hole ID: 1002820124 Diameter: 20.0 Depth From: Depth To: 6.099999904632568 Hole Depth UOM: m Hole Diameter UOM: cm					
<u>Bore Hole Information</u>					
Bore Hole ID: 1002820127 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: This is a record from cluster log sheet Date Completed: 08-May-2009 00:00:00 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:		Elevation: 87.706321 Elevrc: Zone: 18 East83: 441085.00 North83: 5020361.00 Org CS: UTM83 UTMRC: 3 UTMRC Desc: margin of error : 10 - 30 m Location Method: wwr			
<u>Annular Space/Abandonment Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		1002820131			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002820130			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Hole Diameter</u>					
Hole ID:		1002820129			
Diameter:		20.0			
Depth From:					
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002715549			Elevation:	87.766204
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441093.00
Code OB Desc:				North83:	5020356.00
Open Hole:	No			Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	08-May-2009 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002820133			
Layer:		1			
Plug From:		0			
Plug To:		5.90000009536743			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002820134			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Hole Diameter</u>					
Hole ID:		1002820132			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Diameter:		20.0			
Depth From:		0.0			
Depth To:		5.900000095367432			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

4	1 of 1	ESE/0.0	84.8 / 0.97	1545 WOODROFFE Ottawa ON	WWIS
Well ID:	7191213			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring			Date Received:	11/9/2012
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	1844
Casing Material:				Form Version:	7
Audit No:	Z153929			Owner:	
Tag:	A130178			Street Name:	1545 WOODROFFE
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
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/719\7191213.pdf

Additional Detail(s) (Map)

Well Completed Date: 2012/05/31
Year Completed: 2012
Depth (m): 5.1
Latitude: 45.334413093787
Longitude: -75.7512176332083
Path: 719\7191213.pdf

Bore Hole Information

Bore Hole ID:	1004201428	Elevation:	88.116226
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441138.00
Code OB Desc:		North83:	5020375.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	31-May-2012 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1004495224			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		05			
Mat3 Desc:		CLAY			
Formation Top Depth:		2.0999999046325684			
Formation End Depth:		5.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495223			
Layer:		3			
Color:		5			
General Color:		YELLOW			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		0.4000000059604645			
Formation End Depth:		2.0999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495222			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0.20000000298023224			
Formation End Depth:		0.4000000059604645			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495221			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		0.20000000298023224			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495225			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		5.099999904632568			
Formation End Depth:					
Formation End Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004495231			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004495220			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004495228			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		2.90000009536743			
Casing Diameter:		5.09999990463257			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004495229			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.90000009536743			
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		1004495227			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004495226			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[5](#) 1 of 1 S/1.4 84.8 / 0.95 ON [WWIS](#)

Well ID:	7239267	Data Entry Status:	Yes
Construction Date:		Data Src:	
Primary Water Use:		Date Received:	4/2/2015
Sec. Water Use:		Selected Flag:	True
Final Well Status:		Abandonment Rec:	
Water Type:		Contractor:	1844
Casing Material:		Form Version:	8
Audit No:	C23847	Owner:	
Tag:	A148000	Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2014/12/12
Year Completed:	2014
Depth (m):	
Latitude:	45.3341582217358
Longitude:	-75.7516481816503
Path:	

Bore Hole Information

Bore Hole ID:	1005319051	Elevation:	87.760993
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441104.00
Code OB Desc:		North83:	5020347.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12-Dec-2014 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr

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>6</u>	1 of 1	SW/4.2	83.8 / 0.02	1545 WOODROFF AVE Ottawa ON	WWIS
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Well ID:	7191214	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Monitoring	Date Received:	11/9/2012
Sec. Water Use:		Selected Flag:	True
Final Well Status:	0	Abandonment Rec:	
Water Type:		Contractor:	1844
Casing Material:		Form Version:	7
Audit No:	Z153928	Owner:	
Tag:	_NO_TAG	Street Name:	1545 WOODROFF AVE
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
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/719\7191214.pdf

Additional Detail(s) (Map)

Well Completed Date:	2012/05/31
Year Completed:	2012
Depth (m):	5.2
Latitude:	45.3343890454924
Longitude:	-75.7521362048165
Path:	719\7191214.pdf

Bore Hole Information

Bore Hole ID:	1004201431	Elevation:	87.559043
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441066.00
Code OB Desc:		North83:	5020373.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	31-May-2012 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1004495233			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:		01			
Most Common Material:		FILL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.20000000298023224			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495236			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		5.0			
Formation End Depth:		5.199999809265137			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495235			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		61			
Mat3 Desc:		CLAYEY			
Formation Top Depth:		1.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495234			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		0.20000000298023224			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		1.0			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004495243			
Layer:		1			
Plug From:		0			
Plug To:		3.04999995231628			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004495242			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004495232			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004495239			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		3.04999995231628			
Casing Diameter:		5.09999990463257			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004495240			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.04999995231628			
Screen End Depth:		5.19999980926514			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Water Details</u>					
Water ID:		1004495238			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1004495237			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

7	1 of 1	S/5.1	84.0 / 0.14	1545 WOODROFFE AVE lot 30 con 1 Ottawa ON	WWIS
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Well ID:	7146133	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Monitoring	Date Received:	6/4/2010
Sec. Water Use:		Selected Flag:	True
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	1844
Casing Material:		Form Version:	5
Audit No:	M05577	Owner:	
Tag:	A090653	Street Name:	1545 WOODROFFE AVE
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	030
Well Depth:		Concession:	01
Overburden/Bedrock:		Concession Name:	RF
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/714\7146133.pdf

Additional Detail(s) (Map)

Well Completed Date:	2010/03/01
Year Completed:	2010
Depth (m):	6.7
Latitude:	45.3341405564125
Longitude:	-75.7515968987521
Path:	714\7146133.pdf

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146133.pdf

Additional Detail(s) (Map)

Well Completed Date:	2010/03/01
Year Completed:	2010
Depth (m):	
Latitude:	45.3340853768549
Longitude:	-75.7517748408304
Path:	714\7146133.pdf

Bore Hole Information

Bore Hole ID:	1003312656	Elevation:	87.767333
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441094.00
Code OB Desc:		North83:	5020339.00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	01-Mar-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003312660			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003312659			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003312661			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003312663			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		3.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003312662			
Layer:					
Slot:					
Screen Top Depth:		3.5			
Screen End Depth:		6.09999990463257			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID: 1003312664					
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID: 1003312658					
Diameter: 20.0					
Depth From:					
Depth To: 6.099999904632568					
Hole Depth UOM: m					
Hole Diameter UOM: cm					
<u>Bore Hole Information</u>					
Bore Hole ID:	1002989239			Elevation:	87.759590
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441108.00
Code OB Desc:				North83:	5020345.00
Open Hole:	No			Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	01-Mar-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
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: 1003312671					
Layer: 6					
Color:					
General Color:					
Mat1: 28					
Most Common Material: SAND					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth: 3.5					
Formation End Depth: 6.699999809265137					
Formation End Depth UOM: m					
<u>Overburden and Bedrock</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:			1003312669		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			06		
Most Common Material:			SILT		
Mat2:			28		
Mat2 Desc:			SAND		
Mat3:			69		
Mat3 Desc:			FINE-GRAINED		
Formation Top Depth:			0.800000011920929		
Formation End Depth:			3.0		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1003312666		
Layer:			1		
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0.0		
Formation End Depth:			0.10000000149011612		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1003312667		
Layer:			2		
Color:			2		
General Color:			GREY		
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:			01		
Mat2 Desc:			FILL		
Mat3:			63		
Mat3 Desc:			COARSE-GRAINED		
Formation Top Depth:			0.10000000149011612		
Formation End Depth:			0.5		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			1003312668		
Layer:			3		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			01		
Mat2 Desc:			FILL		
Mat3:			78		
Mat3 Desc:			MEDIUM-GRAINED		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0.5			
Formation End Depth:		0.800000011920929			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003312670			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		3.0			
Formation End Depth:		3.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003312673			
Layer:		1			
Plug From:		0			
Plug To:		3.59999990463257			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003312678			
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003312665			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003312675			
Layer:		2			
Material:					
Open Hole or Material:					
Depth From:		4			
Depth To:		6			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1003312674			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		4			
Casing Diameter:		5.09999990463257			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003312676			
Layer:		1			
Slot:		10			
Screen Top Depth:					
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Hole Diameter</u>					
Hole ID:		1003312672			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		6.699999809265137			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

8	1 of 1	SSW/5.2	83.8 / 0.02	1545 WOODROFFE AVE Ottawa ON	WWIS
Well ID:		7146132		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Monitoring		Date Received: 6/4/2010	
Sec. Water Use:				Selected Flag: True	
Final Well Status:		Test Hole		Abandonment Rec:	
Water Type:				Contractor: 1844	
Casing Material:				Form Version: 5	
Audit No:		M05578		Owner:	
Tag:		A090629		Street Name: 1545 WOODROFFE AVE	
Construction Method:				County: OTTAWA	
Elevation (m):				Municipality: OTTAWA CITY	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
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/714\7146132.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/03/01
Year Completed: 2010
Depth (m):
Latitude: 45.3342195461377
Longitude: -75.7519042392762

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Path:		714\7146132.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146132.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2010/03/02			
Year Completed:		2010			
Depth (m):		6.1			
Latitude:		45.334444981721			
Longitude:		-75.7518434108465			
Path:		714\7146132.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146132.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2010/03/01			
Year Completed:		2010			
Depth (m):					
Latitude:		45.3345549209339			
Longitude:		-75.7515513306429			
Path:		714\7146132.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146132.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2010/03/01			
Year Completed:		2010			
Depth (m):					
Latitude:		45.3341827034611			
Longitude:		-75.7520313747927			
Path:		714\7146132.pdf			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7146132.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2010/03/01			
Year Completed:		2010			
Depth (m):					
Latitude:		45.3345537451721			
Longitude:		-75.7517299885804			
Path:		714\7146132.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	1002989237		Elevation:	87.885673	
DP2BR:			Elevrc:		
Spatial Status:			Zone:	18	
Code OB:			East83:	441089.00	
Code OB Desc:			North83:	5020379.00	
Open Hole:	No		Org CS:	UTM83	
Cluster Kind:			UTMRC:	4	
Date Completed:	02-Mar-2010 00:00:00		UTMRC Desc:	margin of error : 30 m - 100 m	
Remarks:			Location Method:	wwr	
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003312608			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5.0			
Formation End Depth:		6.099999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003312604			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.20000000298023224			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003312606			
Layer:		3			
Color:		8			
General Color:		BLACK			
Mat1:		04			
Most Common Material:		PEAT			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1.2999999523162842			
Formation End Depth:		2.299999952316284			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1003312605			
Layer:		2			
Color:		7			
General Color:		RED			
Mat1:		01			
Most Common Material:		FILL			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		63			
Mat3 Desc:		COARSE-GRAINED			
Formation Top Depth:		0.20000000298023224			
Formation End Depth:		1.2999999523162842			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003312607			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		61			
Mat2 Desc:		CLAYEY			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		2.299999952316284			
Formation End Depth:		5.0			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003312610			
Layer:		1			
Plug From:		0			
Plug To:		2.59999990463257			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1003312615			
Method Construction Code:		F			
Method Construction:		H.S.A.			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003312603			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003312612			
Layer:		2			
Material:					
Open Hole or Material:					
Depth From:		3			
Depth To:		6.09999990463257			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		1003312611			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		3			
Casing Diameter:		5.09999990463257			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003312613			
Layer:		1			
Slot:		10			
Screen Top Depth:					
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Hole Diameter</u>					
Hole ID:		1003312609			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003312576			Elevation:	88.134765
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441112.00
Code OB Desc:				North83:	5020391.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	01-Mar-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003312580			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		1003312579			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003312581			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003312583			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		5.80000019073486			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003312582			
Layer:					
Slot:					
Screen Top Depth:		5.80000019073486			
Screen End Depth:		7.59999990463257			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003312584			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003312578			
Diameter:		20.0			
Depth From:					
Depth To:		7.599999904632568			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003312585			Elevation:	87.650787
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441084.00
Code OB Desc:				North83:	5020354.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	01-Mar-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003312589				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1003312588				
Method Construction Code:					
Method Construction:					
Other Method Construction:	HSA				
<u>Pipe Information</u>					
Pipe ID:	1003312590				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1003312592				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	1.5				
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1003312591				
Layer:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Slot:					
Screen Top Depth:		1.5			
Screen End Depth:		5.90000009536743			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003312593			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003312587			
Diameter:		20.0			
Depth From:					
Depth To:		5.900000095367432			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003312594			Elevation:	87.487388
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441074.00
Code OB Desc:				North83:	5020350.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	01-Mar-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003312598			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					

<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>
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003312597			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003312599			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003312601			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		3			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003312600			
Layer:					
Slot:					
Screen Top Depth:		3			
Screen End Depth:		5.90000009536743			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003312602			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID:		1003312596			
Diameter:		20.0			
Depth From:					
Depth To:		5.900000095367432			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003312567			Elevation:	88.047264
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441098.00
Code OB Desc:				North83:	5020391.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	01-Mar-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003312571			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003312570			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003312572			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003312574			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		4.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Screen</u>					
Screen ID:			1003312573		
Layer:					
Slot:					
Screen Top Depth:			4.5		
Screen End Depth:			6.09999990463257		
Screen Material:					
Screen Depth UOM:			m		
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:			1003312575		
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:			1003312569		
Diameter:			20.0		
Depth From:					
Depth To:			6.099999904632568		
Hole Depth UOM:			m		
Hole Diameter UOM:			cm		

<u>9</u>	1 of 1	SW/6.2	83.8 / 0.02	1545 WOODROFFE AVE Ottawa ON	WWIS
Well ID:	7191212			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring			Date Received:	11/9/2012
Sec. Water Use:				Selected Flag:	True
Final Well Status:	0			Abandonment Rec:	
Water Type:				Contractor:	1844
Casing Material:				Form Version:	7
Audit No:	Z153927			Owner:	
Tag:	A122947			Street Name:	1545 WOODROFFE AVE
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/719\7191212.pdf

Additional Detail(s) (Map)

Well Completed Date: 2012/05/31
Year Completed: 2012
Depth (m): 6.1
Latitude: 45.3342722895257
Longitude: -75.7520963722119
Path: 719\7191212.pdf

Bore Hole Information

Bore Hole ID:	1004201425	Elevation:	87.482688
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441069.00
Code OB Desc:		North83:	5020360.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	31-May-2012 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1004495209
Layer: 1
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 01
Mat2 Desc: FILL
Mat3: 28
Mat3 Desc: SAND
Formation Top Depth: 0.0
Formation End Depth: 0.5
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004495212
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 75
Mat3 Desc: LIGHT-COLOURED
Formation Top Depth: 4.099999904632568
Formation End Depth: 6.099999904632568

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495210			
Layer:		2			
Color:		5			
General Color:		YELLOW			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		01			
Mat2 Desc:		FILL			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		0.5			
Formation End Depth:		1.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004495211			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		05			
Mat3 Desc:		CLAY			
Formation Top Depth:		1.5			
Formation End Depth:		4.099999904632568			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004495219			
Layer:		1			
Plug From:		0			
Plug To:		3.04999995231628			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004495218			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004495208			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Casing ID: 1004495215
Layer: 1
Material: 5
Open Hole or Material: PLASTIC
Depth From: 0
Depth To: 3.04999995231628
Casing Diameter: 5
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1004495216
Layer: 1
Slot: 10
Screen Top Depth: 3.04999995231628
Screen End Depth: 6.09999990463257
Screen Material: 5
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 5.80000019073486

Water Details

Water ID: 1004495214
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004495213
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

[10](#) 1 of 1 **S/19.4** **84.8 / 0.95** **1545 WOODROFFE AVE**
 Ottawa ON **WWIS**

Well ID: 7158263 Construction Date: Primary Water Use: Monitoring Sec. Water Use: Final Well Status: Test Hole Water Type: Casing Material: Audit No: M06807 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N):	Data Entry Status: Data Src: Date Received: 1/21/2011 Selected Flag: True Abandonment Rec: Contractor: 1844 Form Version: 5 Owner: Street Name: 1545 WOODROFFE AVE County: OTTAWA Municipality: NEPEAN TOWNSHIP Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Flow Rate:
Clear/Cloudy:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/715\7158263.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/11/12
 Year Completed: 2010
 Depth (m): 1.8
 Latitude: 45.3339504515167
 Longitude: -75.7517602933077
 Path: 715\7158263.pdf

Bore Hole Information

Bore Hole ID:	1003460955	Elevation:	87.586120
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441095.00
Code OB Desc:		North83:	5020324.00
Open Hole:	No	Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	12-Nov-2010 00:00:00	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1004584797
 Layer: 3
 Color: 2
 General Color: GREY
 Mat1: 06
 Most Common Material: SILT
 Mat2: 28
 Mat2 Desc: SAND
 Mat3: 11
 Mat3 Desc: GRAVEL
 Formation Top Depth: 0.4000000059604645
 Formation End Depth: 1.7999999523162842
 Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1004584796
 Layer: 2
 Color: 2
 General Color: GREY
 Mat1: 11
 Most Common Material: GRAVEL
 Mat2:
 Mat2 Desc:
 Mat3:
 Mat3 Desc:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0.30000001192092896			
Formation End Depth:		0.4000000059604645			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004584795			
Layer:		1			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.30000001192092896			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004584799			
Layer:		1			
Plug From:		0			
Plug To:					
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004584803			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1004584794			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004584800			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:					
Casing Diameter:		5.09999990463257			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004584801			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Slot:		10			
Screen Top Depth:					
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Hole Diameter</u>					
Hole ID:		1004584798			
Diameter:		10.0			
Depth From:		0.0			
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1004584785			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441105.00
Code OB Desc:				North83:	5020328.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	12-Nov-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	WWR
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004584789			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004584788			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1004584790			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID: 1004584792					
Layer: 1					
Material: 5					
Open Hole or Material: PLASTIC					
Depth From:					
Depth To: 3					
Casing Diameter:					
Casing Diameter UOM: cm					
Casing Depth UOM: m					
<u>Construction Record - Screen</u>					
Screen ID: 1004584791					
Layer: 1					
Slot:					
Screen Top Depth: 3					
Screen End Depth: 6					
Screen Material:					
Screen Depth UOM: m					
Screen Diameter UOM: cm					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID: 1004584793					
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM: m					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID: 1004584787					
Diameter: 10.0					
Depth From:					
Depth To: 6.099999904632568					
Hole Depth UOM: m					
Hole Diameter UOM: cm					

[11](#)

1 of 1

SSW/26.5

83.8 / 0.02

Intersection of Knoxdale and Woodroffe
Ottawa ON

SPL

Ref No: 2381-BB4LX7
Site No: NA
Incident Dt: 4/10/2019
Year:
Incident Cause:
Incident Event: Collision/Accident
Contaminant Code: 27
Contaminant Name: COOLANT (N.O.S.)
Contaminant Limit 1:

Discharger Report:
Material Group:
Health/Env Conseq: 2 - Minor Environment
Client Type:
Sector Type: Miscellaneous Communal
Agency Involved:
Nearest Watercourse:
Site Address: Intersection of Knoxdale and Woodroffe
Site District Office: Ottawa

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Enter Drainage Syst.: Approx. Quant. Unit: Environmental Impact:					
12	3 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	
Approval Years:	2009			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531111				
SIC Description:	Lessors of Residential Buildings and Dwellings (except Social Housing Projects)				
Detail(s)					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
12	4 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531111				
SIC Description:	Lessors of Residential Buildings and Dwellings (except Social Housing Projects)				
Detail(s)					
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
12	5 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531111				
SIC Description:	Lessors of Residential Buildings and Dwellings (except Social Housing Projects)				
Detail(s)					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
12	6 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON K2G 5L1	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531111				
SIC Description:	Lessors of Residential Buildings and Dwellings (except Social Housing Projects)				
<u>Detail(s)</u>					
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
12	7 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	531111				
SIC Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS)				
<u>Detail(s)</u>					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
12	8 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON K2G 5L1	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	531111				
SIC Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS)				
<u>Detail(s)</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
12	9 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON K2G 5L1	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	531111				
SIC Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS)				
Detail(s)					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
12	10 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON K2G 5L1	GEN
Generator No:	ON3971729			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	531111				
SIC Description:	LESSORS OF RESIDENTIAL BUILDINGS AND DWELLINGS (EXCEPT SOCIAL HOUSING PROJECTS)				
Detail(s)					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
12	11 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON K2G 5L1	GEN
Generator No:	ON3971729			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:				Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		221 L			
Waste Class Desc:		Light fuels			
12	12 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON K2G 5L1	GEN
Generator No:		ON3971729		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:					
<u>Detail(s)</u>					
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		221 L			
Waste Class Desc:		Light fuels			
12	13 of 13	ENE/35.7	83.8 / -0.02	CARLING REALTY COMPANY LIMITED 72G Brockington Cres. OTTAWA ON K2G 5L1	GEN
Generator No:		ON3971729		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Apr 2021		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		221 L			
Waste Class Desc:		Light fuels			
13	1 of 1	SSW/37.8	83.8 / 0.01	PUC WOODROFFE AVE AT KNOXDALE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON	SPL
Ref No:		32139		Discharger Report:	
Site No:				Material Group:	
Incident Dt:		3/15/1990		Health/Env Conseq:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Year:				Client Type:	
Incident Cause:	PIPE/HOSE LEAK			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	20101
Nature of Impact:	Soil contamination			Site Lot:	
Receiving Medium:	LAND			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	3/16/1990			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	EQUIPMENT FAILURE			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	REG. MUNICIPALITY OTTAWA - 100 LTR OF HYDRAULIC OIL TO ROAD.				
Contaminant Qty:					

14	1 of 1	WSW/39.8	83.9 / 0.06	KNOXDALE ROAD AT WOODROFFE Ottawa ON	WWIS
Well ID:	7141308			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Monitoring			Date Received:	3/12/2010
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Observation Wells			Abandonment Rec:	
Water Type:				Contractor:	1844
Casing Material:				Form Version:	7
Audit No:	Z81095			Owner:	
Tag:	A090635			Street Name:	KNOXDALE ROAD AT WOODROFFE
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
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/714\7141308.pdf				
Additional Detail(s) (Map)					
Well Completed Date:	2010/02/17				
Year Completed:	2010				
Depth (m):	7.3				
Latitude:	45.3341975106807				
Longitude:	-75.7525165386448				
Path:	714\7141308.pdf				
Bore Hole Information					
Bore Hole ID:	1002949056			Elevation:	87.488525
DP2BR:				Elevrc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	18
Code OB:				East83:	441036.00
Code OB Desc:				North83:	5020352.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	17-Feb-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 1003029200
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 4.199999809265137
Formation End Depth: 7.300000190734863
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Formation ID: 1003029199
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 0.0
Formation End Depth: 4.199999809265137
Formation End Depth UOM: m

Annular Space/Abandonment

Sealing Record

Plug ID: 1003029202
Layer: 1
Plug From: 0.300000011920929
Plug To: 0.910000026226044
Plug Depth UOM: m

Method of Construction & Well

Use

Method Construction ID: 1003029207
Method Construction Code: B

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		Other Method			
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003029198			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003029204			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.60000002384186			
Casing Diameter:		5.09999990463257			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003029205			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.70000004768372			
Screen End Depth:		7.30000019073486			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Water Details</u>					
Water ID:		1003029203			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003029201			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		7.300000190734863			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

[15](#)

1 of 1

W/40.5

83.9 / 0.06

40 BEECHCLIFFE ST.
OTTAWA ON

WWIS

Well ID: 7150709
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Test Hole
Water Type:

Data Entry Status:
Data Src:
Date Received: 9/3/2010
Selected Flag: True
Abandonment Rec:
Contractor: 1844

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

Casing Material:				Form Version:	7
Audit No:	Z81115			Owner:	
Tag:	A096537			Street Name:	40 BEECHCLIFFE ST.
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	OTTAWA CITY
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	
Well Depth:				Concession:	
Overburden/Bedrock:				Concession Name:	
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/715\7150709.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/07/21
Year Completed: 2010
Depth (m): 6
Latitude: 45.3346816940216
Longitude: -75.7528037248335
Path: 715\7150709.pdf

Bore Hole Information

Bore Hole ID:	1003331130	Elevation:	87.506950
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441014.00
Code OB Desc:		North83:	5020406.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	21-Jul-2010 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID: 1003350065
Layer: 5
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 4.800000190734863
Formation End Depth: 6.0
Formation End Depth UOM: m

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		1003350061			
Layer:		1			
Color:		2			
General Color:		GREY			
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:		60			
Mat3 Desc:		CEMENTED			
Formation Top Depth:		0.0			
Formation End Depth:		0.800000011920929			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003350063			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		1.2000000476837158			
Formation End Depth:		3.5999999046325684			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003350064			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		3.5999999046325684			
Formation End Depth:		4.800000190734863			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003350062			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		77			
Mat3 Desc:		LOOSE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0.800000011920929			
Formation End Depth:		1.2000000476837158			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003350067			
Layer:		1			
Plug From:		0			
Plug To:		1.5			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003350072			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		DIRECT PUSH			
<u>Pipe Information</u>					
Pipe ID:		1003350060			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Screen</u>					
Screen ID:		1003350070			
Layer:		1			
Slot:		10			
Screen Top Depth:		0			
Screen End Depth:		6			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Water Details</u>					
Water ID:		1003350068			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		3.950000047683716			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1003350066			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		6.0			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
16	1 of 1	SSE/43.5	84.8 / 0.96	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Borehole ID:	612368			Inclin FLG:	No
OGF ID:	215513677			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	SEP-1971			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.333847
Total Depth m:	11.3			Longitude DD:	-75.751304
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	441131
Drill Method:				Northing:	5020312
Orig Ground Elev m:	88.9			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	87.9				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218391021			Mat Consistency:	Compact
Top Depth:	2.3			Material Moisture:	
Bottom Depth:	4.4			Material Texture:	Coarse
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,GRAVEL-FINE TO COARSE. BROWN,COMPACT.				
Geology Stratum ID:	218391020			Mat Consistency:	Stiff
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	2.3			Material Texture:	
Material Color:	Red			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,SILT. VERY STIFF,WEATHERED.				
Geology Stratum ID:	218391023			Mat Consistency:	Compact
Top Depth:	6.1			Material Moisture:	
Bottom Depth:	11.3			Material Texture:	Coarse
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,GRAVEL-FINE TO COARSE. GREY,BROWN,COMPACT. 000600030007501500145027002000242675 00010 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218391022			Mat Consistency:	Compact
Top Depth:	4.4			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	Fine
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4:					Depositional Gen:
Gsc Material Description:					
Stratum Description:		SAND,SILT-FINE. GREY,COMPACT.			
Geology Stratum ID:	218391018				Mat Consistency:
Top Depth:	.1				Material Moisture:
Bottom Depth:	1.4				Material Texture:
Material Color:	Brown				Non Geo Mat Type:
Material 1:					Geologic Formation:
Material 2:	Clay				Geologic Group:
Material 3:	Silt				Geologic Period:
Material 4:	Sand				Depositional Gen:
Gsc Material Description:					
Stratum Description:		ARTIFICIAL,CLAY,SILT,SAND. BROWN.			
Geology Stratum ID:	218391019				Mat Consistency:
Top Depth:	1.4				Material Moisture:
Bottom Depth:	1.8				Material Texture:
Material Color:	Brown				Non Geo Mat Type:
Material 1:	Organic				Geologic Formation:
Material 2:	Silt				Geologic Group:
Material 3:					Geologic Period:
Material 4:					Depositional Gen: organic
Gsc Material Description:					
Stratum Description:		ORGANIC,SILT. DARK,BROWN.			
Geology Stratum ID:	218391017				Mat Consistency:
Top Depth:	0				Material Moisture:
Bottom Depth:	.1				Material Texture:
Material Color:					Non Geo Mat Type:
Material 1:					Geologic Formation:
Material 2:	Sand				Geologic Group:
Material 3:	Gravel				Geologic Period:
Material 4:					Depositional Gen:
Gsc Material Description:					
Stratum Description:		ARTIFICIAL,SAND, GRAVEL.			
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:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA1.txt RecordID: 048760 NTS_Sheet: 31G05C				
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				
17	1 of 1	SW/52.5	83.9 / 0.04	WOODROFFAVE & KNOXDALE ROAD lot 32 con 2 NEPEAN ON	WWIS
Well ID:	7246346				Data Entry Status:
Construction Date:					Data Src:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use:	Monitoring			Date Received:	8/11/2015
Sec. Water Use:				Selected Flag:	True
Final Well Status:	Abandoned-Other			Abandonment Rec:	Yes
Water Type:				Contractor:	4875
Casing Material:				Form Version:	7
Audit No:	Z190202			Owner:	
Tag:				Street Name:	WOODROFFAVE & KNOXDALE ROAD
Construction Method:				County:	OTTAWA
Elevation (m):				Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	032
Well Depth:				Concession:	02
Overburden/Bedrock:				Concession Name:	RF
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/724\7246346.pdf				

Additional Detail(s) (Map)

Well Completed Date: 2015/06/04
Year Completed: 2015
Depth (m): 4.48
Latitude: 45.3338556552481
Longitude: -75.752486486454
Path: 724\7246346.pdf

Bore Hole Information

Bore Hole ID:	1005555059	Elevation:	87.426094
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441038.00
Code OB Desc:		North83:	5020314.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	04-Jun-2015 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID: 1005690161
Layer: 1
Color:
General Color:
Mat1:
Most Common Material:
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.480000019073486

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005690168			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005690167			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005690160			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Screen</u>					
Screen ID:		1005690165			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Water Details</u>					
Water ID:		1005690163			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005690162			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

18	1 of 1	SW/59.6	83.9 / 0.06	KNOXDALE RD @ WOODROFFE Ottawa ON	WWIS
Well ID:	7145546			Data Entry Status:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction Date: Primary Water Use: Monitoring Sec. Water Use: Final Well Status: Test Hole Water Type: Casing Material: Audit No: M05588 Tag: A090597 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 Src: Date Received: 5/28/2010 Selected Flag: True Abandonment Rec: Contractor: 1844 Form Version: 5 Owner: Street Name: KNOXDALE RD @ WOODROFFE County: OTTAWA Municipality: OTTAWA CITY Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:			
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7145546.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2010/04/12 Year Completed: 2010 Depth (m): 7.6 Latitude: 45.3341071681436 Longitude: -75.7525663912585 Path: 714\7145546.pdf					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7145546.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2010/04/12 Year Completed: 2010 Depth (m): Latitude: 45.3336747179018 Longitude: -75.7526244742772 Path: 714\7145546.pdf					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7145546.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2010/04/12 Year Completed: 2010 Depth (m): Latitude: 45.3341234873829 Longitude: -75.7528218533259 Path: 714\7145546.pdf					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7145546.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date: 2010/04/12 Year Completed: 2010 Depth (m): Latitude: 45.3341515826097 Longitude: -75.752656315664					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Path: 714\7145546.pdf

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7145546.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/04/09
Year Completed: 2010
Depth (m):
Latitude: 45.3341137296764
Longitude: -75.7529365846764
Path: 714\7145546.pdf

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7145546.pdf

Additional Detail(s) (Map)

Well Completed Date: 2010/04/09
Year Completed: 2010
Depth (m):
Latitude: 45.3337923145836
Longitude: -75.7525366964577
Path: 714\7145546.pdf

Bore Hole Information

Bore Hole ID:	1002986005	Elevation:	87.516365
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441032.00
Code OB Desc:		North83:	5020342.00
Open Hole:	No	Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	12-Apr-2010 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID: 1003311880
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 84
Mat2 Desc: SILTY
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 1.0
Formation End Depth: 2.5
Formation End Depth UOM: m

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1003311882			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		63			
Mat2 Desc:		COARSE-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		4.0			
Formation End Depth:		7.599999904632568			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003311881			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		84			
Mat2 Desc:		SILTY			
Mat3:		69			
Mat3 Desc:		FINE-GRAINED			
Formation Top Depth:		2.5			
Formation End Depth:		4.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1003311879			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		0.0			
Formation End Depth:		1.0			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003311884			
Layer:		1			
Plug From:		0			
Plug To:		3.79999995231628			
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1003311889			
Method Construction Code:		F			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction:		H.S.A.			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1003311878			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003311886			
Layer:		2			
Material:					
Open Hole or Material:					
Depth From:		6.09999990463257			
Depth To:		7.59999990463257			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		1003311885			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		6.09999990463257			
Casing Diameter:		5.09999990463257			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003311887			
Layer:		1			
Slot:		10			
Screen Top Depth:					
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.80000019073486			
<u>Hole Diameter</u>					
Hole ID:		1003311883			
Diameter:		20.0			
Depth From:		0.0			
Depth To:		7.599999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003311860		Elevation:	87.585441	
DP2BR:			Elevrc:		
Spatial Status:			Zone:	18	
Code OB:			East83:	441025.00	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Code OB Desc:				North83:	5020347.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	12-Apr-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003311864			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003311863			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003311865			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003311867			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003311866			
Layer:					
Slot:					
Screen Top Depth:		6			
Screen End Depth:		8.19999980926514			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test ID:		1003311868			
Pump Set At:					
Static Level:		4.699999809265137			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003311862			
Diameter:		20.0			
Depth From:					
Depth To:		8.199999809265137			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003311842			Elevation:	87.641952
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441012.00
Code OB Desc:				North83:	5020344.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	12-Apr-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1003311846			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1003311845			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Pipe Information</u>					
Pipe ID:		1003311847			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003311849			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		6.40000009536743			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003311848			
Layer:					
Slot:					
Screen Top Depth:		6.40000009536743			
Screen End Depth:		8.80000019073486			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003311850			
Pump Set At:					
Static Level:		4.699999809265137			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003311844			
Diameter:		20.0			
Depth From:					
Depth To:		8.800000190734863			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Bore Hole Information</u>					
Bore Hole ID:	1003311851			Elevation:	87.439239

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441027.00
Code OB Desc:				North83:	5020294.00
Open Hole:				Org CS:	UTM83
Cluster Kind:		This is a record from cluster log sheet		UTMRC:	4
Date Completed:		12-Apr-2010 00:00:00		UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1003311855			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1003311854			
Method Construction Code:					
Method Construction:					
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003311856			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003311858			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		4.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003311857			
Layer:					
Slot:					
Screen Top Depth:		4.5			
Screen End Depth:		6.09999990463257			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					

<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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Results of Well Yield Testing

Pump Test ID: 1003311859
Pump Set At:
Static Level: 4.099999904632568
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: m
Rate UOM:
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Hole Diameter

Hole ID: 1003311853
Diameter: 20.0
Depth From:
Depth To: 6.099999904632568
Hole Depth UOM: m
Hole Diameter UOM: cm

Bore Hole Information

Bore Hole ID:	1003311833	Elevation:	87.644058
DP2BR:		Elevrc:	
Spatial Status:		Zone:	18
Code OB:		East83:	441003.00
Code OB Desc:		North83:	5020343.00
Open Hole:		Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet	UTMRC:	4
Date Completed:	09-Apr-2010 00:00:00	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1003311837
Layer:
Plug From:
Plug To:
Plug Depth UOM:

Method of Construction & Well Use

Method Construction ID: 1003311836
Method Construction Code:
Method Construction:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:		HSA			
<u>Pipe Information</u>					
Pipe ID:		1003311838			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1003311840			
Layer:					
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		4.5			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1003311839			
Layer:					
Slot:					
Screen Top Depth:		4.5			
Screen End Depth:		6.09999990463257			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003311841			
Pump Set At:					
Static Level:		4.5			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003311835			
Diameter:		20.0			
Depth From:					
Depth To:		6.099999904632568			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<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>
<u>Bore Hole Information</u>					
Bore Hole ID:	1003311869			Elevation:	87.412231
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	441034.00
Code OB Desc:				North83:	5020307.00
Open Hole:				Org CS:	UTM83
Cluster Kind:	This is a record from cluster log sheet			UTMRC:	4
Date Completed:	09-Apr-2010 00:00:00			UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:				Location Method:	wwr
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	1003311873				
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
<u>Method of Construction & Well Use</u>					
Method Construction ID:	1003311872				
Method Construction Code:					
Method Construction:					
Other Method Construction:	HSA				
<u>Pipe Information</u>					
Pipe ID:	1003311874				
Casing No:	0				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	1003311876				
Layer:					
Material:	5				
Open Hole or Material:	PLASTIC				
Depth From:					
Depth To:	9.80000019073486				
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:	m				
<u>Construction Record - Screen</u>					
Screen ID:	1003311875				
Layer:					
Slot:					
Screen Top Depth:	9.80000019073486				
Screen End Depth:	12.1999998092651				
Screen Material:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1003311877			
Pump Set At:					
Static Level:		4.300000190734863			
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		m			
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
<u>Hole Diameter</u>					
Hole ID:		1003311871			
Diameter:		20.0			
Depth From:					
Depth To:		12.199999809265137			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

<u>19</u>	1 of 1	NW/127.3	82.9 / -0.91	ON	BORE
Borehole ID:	612379			Inclin FLG:	No
OGF ID:	215513688			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	SEP-1971			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.335903
Total Depth m:	11.3			Longitude DD:	-75.753437
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	440966
Drill Method:				Northing:	5020542
Orig Ground Elev m:	88.4			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	87				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218391060	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	.2	Material Texture:	
Material Color:		Non Geo Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:				Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		ARTIFICIAL,SAND, GRAVEL.			
Geology Stratum ID:	218391065			Mat Consistency:	Compact
Top Depth:	4.5			Material Moisture:	
Bottom Depth:	11.3			Material Texture:	Coarse
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND,GRAVEL-FINE TO COARSE. GREY,COMPACT. 000520130006900100149021014Y,BROWN,COMPACT. 00060 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	218391064			Mat Consistency:	Firm
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	4.5			Material Texture:	
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,SILT. GREY,SOFT,FIRM.			
Geology Stratum ID:	218391061			Mat Consistency:	
Top Depth:	.2			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:	Clay			Depositional Gen:	
Gsc Material Description:					
Stratum Description:		ARTIFICIAL,SAND, GRAVEL,CLAY. BROWN.			
Geology Stratum ID:	218391062			Mat Consistency:	
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	1.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Organic			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	organic
Gsc Material Description:					
Stratum Description:		ORGANIC,SILT. DARK,BROWN.			
Geology Stratum ID:	218391063			Mat Consistency:	Compact
Top Depth:	1.6			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	Fine to Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND-FINE TO MEDIUM.GREY,COMPACT.			

Source

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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: OTTAWA1.txt RecordID: 048870 NTS_Sheet: 31G05C				
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				

20	1 of 1	SE/149.2	85.8 / 1.99	Enbridge Gas Distribution Inc. 292 unit E Dalehurst Dr Ottawa ON	SPL
Ref No:	4251-B9SSAQ			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2/27/2019			Health/Env Conseq:	2 - Minor Environment Corporation
Year:				Client Type:	Miscellaneous Communal
Incident Cause:				Sector Type:	
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	292 unit E Dalehurst Dr
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:	1075			Site Region:	Eastern
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:	No			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2/27/2019			Site Map Datum:	
Dt Document Closed:	3/8/2019			SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Pipeline/Components
Incident Reason:	Unknown / N/A			Source Type:	
Site Name:	residential<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA FSB: 0/5 inch customer supply line dmg, made safe				
Contaminant Qty:	0 other - see incident description				

21	1 of 1	SW/181.6	84.6 / 0.79	ON	BORE
Borehole ID:	612361			Inclin FLG:	No
OGF ID:	215513670			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:	Geotechnical/Geological Investigation			Primary Name:	
Completion Date:	OCT-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:	Not Used			Township:	
Sec. Water Use:				Latitude DD:	45.3332
Total Depth m:	6.1			Longitude DD:	-75.753848

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	440931
Drill Method:	Power auger			Northing:	5020242
Orig Ground Elev m:	88.1			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	87.3				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218390987			Mat Consistency:	Compact
Top Depth:	3.4			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	Coarse
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,GRAVEL-MEDIUM TO COARSE,SILT. COMPACT,DENSE. 00040016001100190 043 00100 072 00150 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218390984			Mat Consistency:	Compact
Top Depth:	1.2			Material Moisture:	
Bottom Depth:	1.8			Material Texture:	Fine
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,SILT-FINE. GREY,BROWN,COMPACT.				
Geology Stratum ID:	218390982			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.8			Material Texture:	Fine to Medium
Material Color:	Brown			Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL,SAND FINE TO MEDIUM, GRAVEL. BROWN.				
Geology Stratum ID:	218390985			Mat Consistency:	Firm
Top Depth:	1.8			Material Moisture:	
Bottom Depth:	2.3			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:					
Stratum Description:	CLAY,SILT. GREY,BROWN,FIRM.				
Geology Stratum ID:	218390983			Mat Consistency:	
Top Depth:	.8			Material Moisture:	
Bottom Depth:	1.2			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Organic			Geologic Formation:	
Material 2:	Peat			Geologic Group:	
Material 3:				Geologic Period:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4: Gsc Material Description: Stratum Description: ORGANIC,PEAT. DARK,BROWN.				Depositional Gen: organic	
Geology Stratum ID: 218390986 Top Depth: 2.3 Bottom Depth: 3.4 Material Color: Brown Material 1: Sand Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: SAND-FINE TO MEDIUM.LIGHT,BROWN,COMPACT.				Mat Consistency: Compact Material Moisture: Material Texture: Fine to Medium Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Source					
Source Type: Data Survey Source Orig: Geological Survey of Canada Source Date: 1956-1972 Confidence: H Observatio: Source Name: Urban Geology Automated Information System (UGAIS) Source Details: File: OTTAWA1.txt RecordID: 048690 NTS_Sheet: 31G05C Confiden 1: Logged by professional. Exact and complete description of material and properties.				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	
22	1 of 2	ENE/195.3	83.4 / -0.37	Enbridge Gas Distribution Inc. 8 Garrick Court Ottawa ON	SPL
Ref No: 8402-ASYP8Z Site No: NA Incident Dt: 2017/11/10 Year: Incident Cause: Incident Event: Leak/Break Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: 1075 Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Land MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 2017/11/10 Dt Document Closed:				Discharger Report: Material Group: Health/Env Conseq: 2 - Minor Environment Client Type: Corporation Sector Type: Miscellaneous Communal Agency Involved: Nearest Watercourse: Site Address: 8 Garrick Court Site District Office: Ottawa Site Postal Code: Site Region: Eastern Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill	
Incident Reason: Operator/Human Error Site Name: Residential<UNOFFICIAL> Site County/District: Site Geo Ref Meth:				Source Type: Pipeline/Components	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Summary:		TSSA 1/2 inch plastic IP line damage, made safe			
Contaminant Qty:		0 other - see incident description			
22	2 of 2	ENE/195.3	83.4 / -0.37	PIPELINE HIT 1/2" 8 GARRICK CT,,OTTAWA,ON,K2G 4K1,CA ON	PINC
Incident ID:				Fuel Category:	
Incident No:		2189226		Health Impact:	
Incident Reported Dt:		11/10/2017		Environment Impact:	
Type:		FS-Pipeline Incident		Property Damage:	
Status Code:				Service Interrupt:	
Customer Acct Name:		PIPELINE HIT 1/2"		Enforce Policy:	
Incident Address:		8 GARRICK CT,,OTTAWA,ON,K2G 4K1,CA		Public Relation:	
Tank Status:		Pipeline Damage Reason Est		Pipeline System:	
Task No:				Depth:	
Spills Action Centre:				Pipe Material:	
Fuel Type:				PSIG:	
Fuel Occurrence Tp:				Attribute Category:	
Date of Occurrence:				Regulator Location:	
Occurrence Start Dt:				Method Details:	
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:					
Reported By:					
Affiliation:					
Occurrence Desc:					
Damage Reason:					
Notes:					
23	1 of 5	SSW/196.3	85.8 / 1.96	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	EHS
Order No:		20191108077		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State:	
Report Date:		13-NOV-19		ON	
Date Received:		08-NOV-19		Search Radius (km):	
Previous Site Name:				.25	
Lot/Building Size:				X:	
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Topographic Maps		-75.752236	
				Y:	
				45.332345	
23	2 of 5	SSW/196.3	85.8 / 1.96	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	EHS
Order No:		20191108077		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State:	
Report Date:		13-NOV-19		ON	
Date Received:		08-NOV-19		Search Radius (km):	
Previous Site Name:				.25	
Lot/Building Size:				X:	
Additional Info Ordered:		Fire Insur. Maps and/or Site Plans; Topographic Maps		-75.752236	
				Y:	
				45.332345	
23	3 of 5	SSW/196.3	85.8 / 1.96	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Nepean ON K2G 1C5					
Order No:	20191108077			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	13-NOV-19			Search Radius (km):	.25
Date Received:	08-NOV-19			X:	-75.752236
Previous Site Name:				Y:	45.332345
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Topographic Maps				
23	4 of 5	SSW/196.3	85.8 / 1.96	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	EHS
Order No:	20191108077			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	13-NOV-19			Search Radius (km):	.25
Date Received:	08-NOV-19			X:	-75.752236
Previous Site Name:				Y:	45.332345
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Topographic Maps				
23	5 of 5	SSW/196.3	85.8 / 1.96	5,7,9 and 11 Majestic Drive and 1664 and 1668 Woodroffe Avenue Nepean ON K2G 1C5	EHS
Order No:	20191108077			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	13-NOV-19			Search Radius (km):	.25
Date Received:	08-NOV-19			X:	-75.752236
Previous Site Name:				Y:	45.332345
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Topographic Maps				
24	1 of 2	S/197.5	85.8 / 2.00	CH2M HILL Canada Limited 5 Majestic Drive Ottawa ON	SPL
Ref No:	6620-9WNJQ6			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	5/18/2015			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Leak/Break			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:	15			Nearest Watercourse:	
Contaminant Name:	HYDRAULIC OIL			Site Address:	5 Majestic Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:	Land; Surface Water			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	N			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	5/19/2015			Site Map Datum:	
Dt Document Closed:	5/25/2015			SAC Action Class:	Land Spills

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Reason: Unknown / N/A Site Name: Hydraulic Spill<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Hydraulic oil spill in Ottawa Contaminant Qty: 0 other - see incident description					
24	2 of 2	S/197.5	85.8 / 2.00	5 Majestic Dr Ottawa ON K2G1C5	EHS
Order No: 20160104010 Status: C Report Type: Custom Report Report Date: 07-JAN-16 Date Received: 04-JAN-16 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.752137 Y: 45.332326					
25	1 of 1	SSE/197.8	85.8 / 1.94	ON	BORE
Borehole ID: 612357 OGF ID: 215513666 Status: Type: Borehole Use: Completion Date: SEP-1971 Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: 9.8 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 87.7 Elev Reliabil Note: DEM Ground Elev m: 88.9 Concession: Location D: Survey D: Comments:					
Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 45.3325 Longitude DD: -75.750776 UTM Zone: 18 Easting: 441171 Northing: 5020162 Location Accuracy: Accuracy: Not Applicable					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: 218390963 Top Depth: 5.6 Bottom Depth: 8.2 Material Color: Brown Material 1: Sand Material 2: Gravel Material 3: Silt Material 4: Gsc Material Description: Stratum Description: SAND,GRAVEL-FINE TO COARSE,SILT. BROWN,COMPACT.					
Mat Consistency: Compact Material Moisture: Material Texture: Coarse Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:					
Geology Stratum ID: 218390964 Top Depth: 8.2 Bottom Depth: 9.8 Material Color: Grey Material 1: Sand					
Mat Consistency: Compact Material Moisture: Material Texture: Fine Non Geo Mat Type: Geologic Formation:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Silt			Geologic Group: Geologic Period: Depositional Gen:	
				SAND,SILT-FINE. GREY,COMPACT. 0000000500020007001180230018503700270029 038 00050 043 001 **Note: Many records provided by the department have a truncated [Stratum Description] field.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218390962 3.6 5.6 Brown Sand Silt			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Compact Fine
				SAND,SILT-FINE. BROWN,COMPACT.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218390960 0 .6 Red Clay Silt			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Stiff
				CLAY,SILT. VERY STIFF,WEATHERED.	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218390961 .6 3.6 Brown Sand Gravel			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Compact Coarse
				SAND,GRAVEL-FINE TO COARSE. BROWN,LOOSE TO COMPACT.	
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
				Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 048650 NTS_Sheet: 31G05C Logged by professional. Exact and complete description of material and properties.	
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
26	1 of 1	N/198.9	82.9 / -0.96	ON	BORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Borehole ID:	612386			Inclin FLG:	No
OGF ID:	215513695			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	OCT-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.336992
Total Depth m:	15.7			Longitude DD:	-75.752111
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	441071
Drill Method:				Northing:	5020662
Orig Ground Elev m:	89.3			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	89.7				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218391094			Mat Consistency:	Dense
Top Depth:	13.1			Material Moisture:	
Bottom Depth:	15.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,SILT,GRAVEL. GREY,VERY DENSE. 0000007300200051003400530038007000430100001450270020002426 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218391090			Mat Consistency:	Dense
Top Depth:	0			Material Moisture:	
Bottom Depth:	6.1			Material Texture:	Fine
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,SILT-FINE, GRAVEL. BROWN,GREY,VERY DENSE.				
Geology Stratum ID:	218391092			Mat Consistency:	Dense
Top Depth:	10.4			Material Moisture:	
Bottom Depth:	11.6			Material Texture:	Fine
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,SILT-FINE. GREY,VERY DENSE.				
Geology Stratum ID:	218391093			Mat Consistency:	Dense
Top Depth:	11.6			Material Moisture:	
Bottom Depth:	13.1			Material Texture:	Coarse
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:	Silt			Geologic Period:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 4:				Depositional Gen:	
Gsc Material Description:		SAND, GRAVEL-FINE TO COARSE, SILT. GREY, VERY DENSE.			
Stratum Description:					
Geology Stratum ID:	218391091			Mat Consistency:	Dense
Top Depth:	6.1			Material Moisture:	
Bottom Depth:	10.4			Material Texture:	Fine to Medium
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:		SAND, SILT-FINE TO MEDIUM. GREY, DENSE TO VERY DENSE.			
Stratum Description:					
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: OTTAWA1.txt RecordID: 048940 NTS_Sheet: 31G05C				
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				
27	1 of 1	S/199.8	85.8 / 1.99	5,7,9,11 Majestic Dr, 1664 & 1668 Woodroffe Ave Ottawa ON	EHS
Order No:	20091215025			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	12/22/2009			Search Radius (km):	0.25
Date Received:	12/15/2009			X:	-75.751793
Previous Site Name:				Y:	45.3323
Lot/Building Size:					
Additional Info Ordered:					
28	1 of 4	S/201.7	85.8 / 2.00	5 Majestic Dr Nepean ON K2G 1C5	EHS
Order No:	20200316011			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	19-MAR-20			Search Radius (km):	.15
Date Received:	16-MAR-20			X:	-75.75213959
Previous Site Name:				Y:	45.33228843
Lot/Building Size:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
28	2 of 4	S/201.7	85.8 / 2.00	5 Majestic Dr Nepean ON K2G 1C5	EHS
Order No:	20200316011			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	19-MAR-20			Search Radius (km):	.15
Date Received:	16-MAR-20			X:	-75.75213959
Previous Site Name:				Y:	45.33228843
Lot/Building Size:					
Additional Info Ordered:					
28	3 of 4	S/201.7	85.8 / 2.00	5 Majestic Dr Nepean ON K2G 1C5	EHS
Order No:	20200316011			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	19-MAR-20			Search Radius (km):	.15
Date Received:	16-MAR-20			X:	-75.75213959
Previous Site Name:				Y:	45.33228843
Lot/Building Size:					
Additional Info Ordered:					
28	4 of 4	S/201.7	85.8 / 2.00	5 Majestic Dr Nepean ON K2G 1C5	EHS
Order No:	20200316011			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	19-MAR-20			Search Radius (km):	.15
Date Received:	16-MAR-20			X:	-75.75213959
Previous Site Name:				Y:	45.33228843
Lot/Building Size:					
Additional Info Ordered:					
29	1 of 1	SSW/202.2	85.8 / 1.96	5 Majestic Dr Ottawa ON K2G1C5	EHS
Order No:	20180319047			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	22-MAR-18			Search Radius (km):	.15
Date Received:	19-MAR-18			X:	-75.752229
Previous Site Name:				Y:	45.33229
Lot/Building Size:					
Additional Info Ordered:					
30	1 of 1	WNW/227.7	82.9 / -0.89	ON	BORE
Borehole ID:	612378			Inclin FLG:	No
OGF ID:	215513687			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:				Municipality:	
Static Water Level:	2.1			Lot:	
Primary Water Use:				Township:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:				Latitude DD:	45.335712
Total Depth m:				Longitude DD:	-75.755157
Depth Ref:				UTM Zone:	18
Depth Elev:				Easting:	440831
Drill Method:				Northing:	5020522
Orig Ground Elev m:				Location Accuracy:	Not Applicable
Elev Reliabil Note:				Accuracy:	
DEM Ground Elev m:					
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:		218391059		Mat Consistency:	Soft
Top Depth:		39.6		Material Moisture:	
Bottom Depth:				Material Texture:	
Material Color:		Grey		Non Geo Mat Type:	
Material 1:		Bedrock		Geologic Formation:	
Material 2:		Sandstone		Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BEDROCK,SANDSTONE. FF,FISSURED. CLAY,SILT. GREY,SOFT,FISSURED. 00010 044 00100 055 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:		218391056		Mat Consistency:	
Top Depth:		0		Material Moisture:	
Bottom Depth:		12.8		Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:		Clay		Geologic Formation:	
Material 2:		Sand		Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		CLAY,SAND.			
Geology Stratum ID:		218391058		Mat Consistency:	
Top Depth:		22.6		Material Moisture:	
Bottom Depth:		39.6		Material Texture:	
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,LIMESTONE. GREY.			
Geology Stratum ID:		218391057		Mat Consistency:	
Top Depth:		12.8		Material Moisture:	
Bottom Depth:		22.6		Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:		Sand		Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND. WATER STABLE AT 278.1 FEET.			
<u>Source</u>					
Source Type:		Data Survey		Source Appl:	Spatial/Tabular
Source Orig:		Geological Survey of Canada		Source Iden:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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: OTTAWA1.txt RecordID: 048860 NTS_Sheet: 31G05C				
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				

31	1 of 1	NE/235.1	82.9 / -0.93	ON	BORE
Borehole ID:	612387			Inclin FLG:	No
OGF ID:	215513696			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	OCT-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.337095
Total Depth m:	14.8			Longitude DD:	-75.75007
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	441231
Drill Method:				Northing:	5020672
Orig Ground Elev m:	87.1			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	90				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218391097	Mat Consistency:	Dense
Top Depth:	7.6	Material Moisture:	
Bottom Depth:	13.7	Material Texture:	Fine
Material Color:	Grey	Non Geo Mat Type:	
Material 1:	Sand	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Gravel	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	SAND,SILT-FINE, GRAVEL. GREY,DENSE TO VERY DENSE.		

Geology Stratum ID:	218391095	Mat Consistency:	Dense
Top Depth:	0	Material Moisture:	
Bottom Depth:	3.7	Material Texture:	Fine
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Sand	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Clay	Geologic Period:	
Material 4:		Depositional Gen:	
Gsc Material Description:			
Stratum Description:	SAND,SILT-FINE,CLAY.GREY,BROWN, DENSE TO VERY DENSE.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	218391096			Mat Consistency:	Dense
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	7.6			Material Texture:	Fine to Medium
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,SILT-FINE TO MEDIUM,GRAVEL. GREY,BROWN, DENSE TO VERY DENSE.				
Geology Stratum ID:	218391098			Mat Consistency:	Dense
Top Depth:	13.7			Material Moisture:	
Bottom Depth:	14.8			Material Texture:	Coarse
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Gravel			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SAND,GRAVEL-FINE TO COARSE. GREY,BROWN,VERY DENSE. 000000760012006000250097004500650027000145 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
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: OTTAWA1.txt RecordID: 048950 NTS_Sheet: 31G05C				
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				
32	1 of 1	WSW/242.3	83.9 / 0.11	Pipeline Hit 9 BEECHCLIFFE STREET,,OTTAWA,ON,K2G 4X4,CA ON	PINC
Incident ID:				Fuel Category:	
Incident No:	928032			Health Impact:	
Incident Reported Dt:	10/24/2012			Environment Impact:	
Type:	FS-Pipeline Incident			Property Damage:	
Status Code:				Service Interupt:	
Customer Acct Name:	Pipeline Hit			Enforce Policy:	
Incident Address:	9 BEECHCLIFFE STREET,,OTTAWA,ON,K2G 4X4,CA			Public Relation:	
Tank Status:	Non Mandated			Pipeline System:	
Task No:				Depth:	
Spills Action Centre:				Pipe Material:	
Fuel Type:				PSIG:	
Fuel Occurrence Tp:				Attribute Category:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p>Date of Occurrence: Occurrence Start Dt: Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:</p>					
<p>Regulator Location: Method Details:</p>					
33	1 of 2	E/249.7	83.9 / 0.05	Enbridge Gas Distribution Inc. 3 Strathearn Court, Nepean Ottawa ON	SPL
<p>Ref No: 1678-B3FVZH Site No: NA Incident Dt: 2018/08/08 Year: Incident Cause: Incident Event: Leak/Break Contaminant Code: 35 Contaminant Name: NATURAL GAS (METHANE) Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: 1075 Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: Air MOE Response: No Dt MOE Arvl on Scrn: MOE Reported Dt: 2018/08/08 Dt Document Closed:</p>					
<p>Discharger Report: Material Group: Health/Env Conseq: 2 - Minor Environment Client Type: Corporation Sector Type: Miscellaneous Communal Agency Involved: Nearest Watercourse: Site Address: 3 Strathearn Court, Nepean Site District Office: Ottawa Site Postal Code: Site Region: Eastern Site Municipality: Ottawa Site Lot: Site Conc: Northing: 5020455 Easting: 441382 Site Geo Ref Accu: Site Map Datum: SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Source Type: Pipeline/Components</p>					
<p>Incident Reason: Operator/Human Error Site Name: residential customer<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: TSSA-FSB: 0.5" pl IP gas line dmgd; made safe Contaminant Qty: 0 other - see incident description</p>					
33	2 of 2	E/249.7	83.9 / 0.05	PIPELINE HIT 1/2" 3 STRATHEARN CT., NEPEAN, ON, K2G 4L7, CA ON	PINC
<p>Incident ID: Incident No: 2367504 Incident Reported Dt: 8/9/2018 Type: FS-Pipeline Incident Status Code: Customer Acct Name: PIPELINE HIT 1/2" Incident Address: 3 STRATHEARN CT., NEPEAN, ON, K2G 4L7, CA Tank Status: Non Mandated Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt:</p>					
<p>Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interupt: Enforce Policy: Public Relation: Pipeline System: Depth: Pipe Material: PSIG: Attribute Category: Regulator Location: Method Details:</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Operation Type:
Pipeline Type:
Regulator Type:
Summary:
Reported By:
Affiliation:
Occurrence Desc:
Damage Reason:
Notes:

34	1 of 1	SSW/257.6	86.2 / 2.35	LAURENT LEBLANC LIMITED 7 PRITCHARD DR NEPEAN ON K2G 1B2	EASR
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Approval No:	R-009-4112356953	SWP Area Name:	Rideau Valley
Status:	REGISTERED	MOE District:	Ottawa
Date:	2020-06-12	Municipality:	NEPEAN
Record Type:	EASR	Latitude:	45.33194444
Link Source:	MOFA	Longitude:	-75.75305556
Project Type:	Water Taking - Construction Dewatering	Geometry X:	
Full Address:		Geometry Y:	
Approval Type:	EASR-Water Taking - Construction Dewatering		
Full PDF Link:	http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2258313		

35	1 of 1	WNW/274.7	82.9 / -0.90	lot 31 con 2 ON	WWIS
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Well ID:	1506021	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Industrial	Date Received:	12/19/1958
Sec. Water Use:	0	Selected Flag:	True
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3701
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	OTTAWA
Elevation (m):		Municipality:	NEPEAN TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	031
Well Depth:		Concession:	02
Overburden/Bedrock:		Concession Name:	RF
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\1506021.pdf

Additional Detail(s) (Map)

Well Completed Date:	1958/08/15
Year Completed:	1958
Depth (m):	40.2336
Latitude:	45.3364295283937
Longitude:	-75.7552939364887
Path:	150\1506021.pdf

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10028064			Elevation:	88.918350
DP2BR:	74.00			Elevrc:	
Spatial Status:				Zone:	18
Code OB:	r			East83:	440820.70
Code OB Desc:	Bedrock			North83:	5020602.00
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	15-Aug-1958 00:00:00			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	p5
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					

Overburden and Bedrock

Materials Interval

Formation ID: 931003580
Layer: 5
Color:
General Color:
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 130.0
Formation End Depth: 132.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003576
Layer: 1
Color: 8
General Color: BLACK
Mat1: 03
Most Common Material: MUCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931003577
Layer: 2
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		2.0			
Formation End Depth:		42.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931003579			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		74.0			
Formation End Depth:		130.0			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931003578			
Layer:		3			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		42.0			
Formation End Depth:		74.0			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961506021			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10576634			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930048877			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		76			
Casing Diameter:		8			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Casing Diameter UOM: inch
 Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930048878
 Layer: 2
 Material: 4
 Open Hole or Material: OPEN HOLE
 Depth From:
 Depth To: 132
 Casing Diameter: 8
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991506021
 Pump Set At:
 Static Level: 4.0
 Final Level After Pumping: 7.0
 Recommended Pump Depth:
 Pumping Rate: 50.0
 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: 48
 Pumping Duration MIN: 0
 Flowing: No

Water Details

Water ID: 933460082
 Layer: 2
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 132.0
 Water Found Depth UOM: ft

Water Details

Water ID: 933460081
 Layer: 1
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 100.0
 Water Found Depth UOM: ft

36	1 of 1	WNW/274.8	82.9 / -0.90	ON	BORE
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Borehole ID:	612382	Inclin FLG:	No
OGF ID:	215513691	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	AUG-1958	Municipality:	
Static Water Level:		Lot:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Primary Water Use: Sec. Water Use: Total Depth m: 40.2 Depth Ref: Ground Surface Depth Elev: Drill Method: Orig Ground Elev m: 88.4 Elev Reliabil Note: DEM Ground Elev m: 88.9 Concession: Location D: Survey D: Comments:				Township: Latitude DD: 45.336431 Longitude DD: -75.755294 UTM Zone: 18 Easting: 440821 Northing: 5020602 Location Accuracy: Accuracy: Not Applicable	
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: 218391076 Top Depth: .6 Bottom Depth: 12.8 Material Color: Material 1: Clay Material 2: Sand Material 3: Material 4: Gsc Material Description: Stratum Description: CLAY,SAND.				Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 218391079 Top Depth: 39.6 Bottom Depth: 40.2 Material Color: Brown Material 1: Sandstone Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: SANDSTONE. 00132,FIRM. CLAY,SILT. GREY,BROWN,STIFF. SAND,CLAY-FINE TO MEDIUM. BROWN, COMPACT **Note: Many records provided by the department have a truncated [Stratum Description] field.				Mat Consistency: Compact Material Moisture: Material Texture: Fine to Medium Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 218391075 Top Depth: 0 Bottom Depth: .6 Material Color: Black Material 1: Muck Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: MUCK. BLACK.				Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen: muck	
Geology Stratum ID: 218391077 Top Depth: 12.8 Bottom Depth: 22.6 Material Color: Material 1: Sand Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description: SAND.				Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: 218391078 Top Depth: 22.6 Bottom Depth: 39.6 Material Color: Grey				Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	Limestone			Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
		LIMESTONE. GREY.			
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level
		Urban Geology Automated Information System (UGAIS) File: OTTAWA1.txt RecordID: 04890 NTS_Sheet:			
Source List					
Source Identifier: Source Type: Source Date: Scale or Resolution: Source Name: Source Originators:	1 Data Survey 1956-1972 Varies			Horizontal Datum: Vertical Datum: Projection Name:	NAD27 Mean Average Sea Level Universal Transverse Mercator
		Urban Geology Automated Information System (UGAIS) Geological Survey of Canada			
37	1 of 3	W/278.8	83.9 / 0.08	2588813 ONTARIO INC O/A THOMAS LAWN CARE 21 SOVEREIGN AVE OTTAWA ON K2G4W8	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type: Licence Type Code: Licence Class: Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:	09044	Legacy Licenses (Excluding TS) Operator 02 01		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No: Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:	613 6580002
37	2 of 3	W/278.8	83.9 / 0.08	2588813 ONTARIO INC O/A THOMAS LAWN CARE 21 SOVEREIGN AVE OTTAWA ON K2G4W8	PES
Detail Licence No: Licence No: Status: Approval Date: Report Source: Licence Type:	08877	Legacy Licenses (Excluding TS) Operator		Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: Oper Phone No:	613 6580002

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Licence Type Code: 02 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:					
37	3 of 3	W/278.8	83.9 / 0.08	2588813 ONTARIO INC O/A THOMAS LAWN CARE 21 SOVEREIGN AVE OTTAWA ON K2G4W8	PES
Detail Licence No: Licence No: 10281 Status: Approval Date: Report Source: Legacy Licenses (Excluding TS) Licence Type: Operator Licence Type Code: 02 Licence Class: 01 Licence Control: Latitude: Longitude: Lot: Concession: Region: District: County: Trade Name: PDF Link:					
Operator Box: Operator Class: Operator No: Operator Type: Oper Area Code: 613 Oper Phone No: 6580002 Operator Ext: Operator Lot: Oper Concession: Operator Region: Operator District: Operator County: Op Municipality: Post Office Box: MOE District: SWP Area Name:					
38	1 of 2	SSE/285.7	86.9 / 3.08	NEPEAN CITY MAJESTIC DR/WOODROFFE AVE. NEPEAN ON	CA
Certificate #: 3-1443-98-98 Application Year: 98 Issue Date: 9/25/1998 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
38	2 of 2	SSE/285.7	86.9 / 3.08	UNKNOWN WODDRUFF AVE. AT MAJESTIC DR., NEPEAN OTTAWA CITY ON	SPL
Ref No: 6812 Discharger Report:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site No: Incident Dt: 7/18/1988 Year: Incident Cause: OTHER TRANSPORTATION ACCIDENT 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: 7/18/1988 Dt Document Closed: Incident Reason: OTHER Site Name: Site County/District: Site Geo Ref Meth: Incident Summary: 8 L GASOLINE & ANTIFREEZETO STREET AS A RESULT OF A CAR ACCIDENT Contaminant Qty:				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: 20101 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	

39	1 of 1	S/292.9	86.8 / 3.02	1 MAJESTIC DR NEPEAN ON	EHS
Order No: 20060328003 Status: C Report Type: Basic Report Report Date: 4/5/2006 Date Received: 3/28/2006 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: WOODROFFE AVE Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.751182 Y: 45.331673	

Unplottable Summary

Total: **33** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	Woodroffe Avenue Bus Only Lanes	Medhurst Drive to Majestic Drive	Nepean ON	
CA	Taggart Construction Limited	Mobile Facility	Ottawa ON	
CA	City of Ottawa	Woodroffe Avenue	Ottawa ON	
CA	City of Ottawa	Knoxdale Road between Newhaven Street and Woodroffe Avenue	Ottawa ON	
CA	MERIVALE DEVELOPMENTS LTD.	MEDHURST DR.	NEPEAN CITY ON	
CA	CARLING REALTY COMPANY LTD. 7-0486-89	STORMWATER MANAGEMENT	OTTAWA CITY ON	
CA	MERIVALE DEVELOPMENTS LTD.	BROCKINGTON	NEPEAN CITY ON	
CA	MERIVALE DEVELOPMENTS LTD.	MEDHURST DR.	NEPEAN CITY ON	
CA	CARLING REALTY CO. LTD.	MEDHURST DR.	NEPEAN CITY ON	
CA	R.M. OF OTTAWA-CARLETON	WOODROFFE AVE. S.W.M. FACILITY	NEPEAN CITY ON	
CA	MERIVALE DEVELOPMENTS LTD.	BROCKINGTON	NEPEAN CITY ON	
CA	CARLING REALTY CO. LTD.	MEDHURST DR.	NEPEAN CITY ON	
CONV	Taggart Construction Limited		Ottawa ON	
EBR	Taggart Construction Limited	Mobile Facility Ottawa Ontario Ottawa	ON	
ECA	The Regional Municipality of Ottawa-Carleton	Medhurst Drive to Majestic Drive	Nepean ON	K2P 2L7
ECA	Taggart Construction Limited	Mobile Facility	Ottawa ON	K1V 8Y3
EHS		Knoxdale Rd. (between Woodroffe Ave. and Newhaven St.)	Ottawa ON	

GEN	CANADIAN NATIONAL RAILWAY	VARIOUS SITES WITHIN THE MOE MOE EASTERN REGION	(SEE SCHEDULE "B") ON
GEN	CANADIAN NATIONAL RAILWAY	VARIOUS SITES WITHIN THE MOE MOE EASTERN REGION	(SEE SCHEDULE "B") ON
NPCB	ONTARIO HYDRO	WOODROFFE T.S.; RP 341791, BLOCK B	OTTAWA ON
PAP	CH2M HILL Canada Limited		Ottawa ON
PES	LOBLAWS LIMITED C.O.B. AS "LOBLAWS" STORE #130-7	HWY. 15, BELLS CORNERS	OTTAWA ON
SPL	ESSO PETROLEUM CANADA	TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON
SPL	QUEENSWAY TANK LINES	CARLETON PLACE TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	SERVICE STATION	NEPEAN CITY ON
SPL	ESSO PETROLEUM CANADA	BULK STATION	OTTAWA CITY ON
SPL	Esso Petroleum Canada, A Division of Imperial Oil Limited	Nepean	Ottawa ON
SPL	Taggart Construction Limited		Ottawa ON
SPL	ESSO PETROLEUM CANADA	TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL	ESSO PETROLEUM CANADA	ESSO DISTRIBUTION STATION BULK STATION	OTTAWA CITY ON
SPL	CANADIAN NATIONAL RAILWAY	WAKELY RAIL YARD C.N.R. TRAIN	OTTAWA CITY ON
SPL	IMPERIAL OIL	TANK TRUCK (CARGO)	NEPEAN CITY ON
SPL	CANADIAN NATIONAL RAILWAY	STORAGE TANKS	OTTAWA CITY ON

Unplottable Report

Site: *Woodroffe Avenue Bus Only Lanes
Medhurst Drive to Majestic Drive Nepean ON*

Database:
CA

Certificate #: 1806-4JQHAS
Application Year: 00
Issue Date: 4/28/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation of the Regional Municipality of Ottawa-Carleton
Client Address: 111 Lisgar Street
Client City: Ottawa
Client Postal Code: K2P 2L7
Project Description: Install watermains on Woodroffe Avenue, from Medhurst Drive, to Majestic Drive
Contaminants:
Emission Control:

Site: *Taggart Construction Limited
Mobile Facility Ottawa ON*

Database:
CA

Certificate #: 0636-7KEL2F
Application Year: 2008
Issue Date: 11/19/2008
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *City of Ottawa
Woodroffe Avenue Ottawa ON*

Database:
CA

Certificate #: 9466-74ZR66
Application Year: 2007
Issue Date: 8/13/2007
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
Knoxdale Road between Newhaven Street and Woodroffe Avenue Ottawa ON*

Database:
CA

Certificate #: 9645-8D2JV2

Application Year: 2011
Issue Date: 1/20/2011
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: **MERIVALE DEVELOPMENTS LTD.**
MEDHURST DR. NEPEAN CITY ON

Database:
CA

Certificate #: 3-0170-87-
Application Year: 87
Issue Date: 3/3/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **CARLING REALTY COMPANY LTD. 7-0486-89**
STORMWATER MANAGEMENT OTTAWA CITY ON

Database:
CA

Certificate #: 3-0602-89-
Application Year: 89
Issue Date: 7/7/1989
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **MERIVALE DEVELOPMENTS LTD.**
BROCKINGTON NEPEAN CITY ON

Database:
CA

Certificate #: 7-0151-87-
Application Year: 87
Issue Date: 3/3/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MERIVALE DEVELOPMENTS LTD.
MEDHURST DR. NEPEAN CITY ON

Database:
CA

Certificate #: 7-0137-87-
Application Year: 87
Issue Date: 3/3/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: CARLING REALTY CO. LTD.
MEDHURST DR. NEPEAN CITY ON

Database:
CA

Certificate #: 7-1788-87-
Application Year: 87
Issue Date: 11/25/1987
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
WOODROFFE AVE. S.W.M. FACILITY NEPEAN CITY ON

Database:
CA

Certificate #: 3-0514-93-
Application Year: 93
Issue Date: 6/15/1993
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MERIVALE DEVELOPMENTS LTD.
BROCKINGTON NEPEAN CITY ON

Database:
CA

Certificate #: 3-0184-87-
Application Year: 87
Issue Date: 3/3/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:

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

Site: CARLING REALTY CO. LTD.
MEDHURST DR. NEPEAN CITY ON

Database:
CA

Certificate #: 3-2117-87-
Application Year: 87
Issue Date: 11/25/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: Taggart Construction Limited
Ottawa ON

Database:
CONV

File No: 012802
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description:

Location:
Region:
Ministry District:

Taggart Construction Limited, Paterson Group Inc. and Robert Passmore have been fined \$5,000 each, totalling \$15,000 plus a victim fine surcharge, after pleading guilty on January 15, 2009 to violations under the Ontario Water Resources Act. Taggart Construction Limited and Paterson Group Inc. were convicted of failing to comply with a Provincial Officer Order by taking more than 50,000 litres of water per day, and Mr. Passmore was convicted of giving false or misleading information to the ministry. The parties were given six months to pay the fine. The Court heard that Taggart Construction Limited was contracted by a developer to install municipal services at a subdivision in Ottawa which required dewatering activities. After being issued a Provincial Officer Order to restrict water taking activities to below 50,000 litres per day until a permit had been obtained, Taggart hired Paterson Group Inc. to submit an application for the permit. Taggart then pumped over 50,000 litres of water based on information provided by Paterson Group employee, Mr. Passmore, that the go ahead to pump had been given when a permit had yet to be issued. In an interview with ministry investigators, Mr. Passmore denied giving Taggart verbal approval to pump in excess of 50,000 litres per day. Taggart Construction Limited, Paterson Group Inc. and Mr. Passmore were charged following an investigation by the Ministry of the Environment's Investigations and Enforcement Branch.

Background:
URL:

Additional Details

Publication Date:
Count: 1
Act: OWRA
Regulation:
Section:
Act/Regulation/Section: OWRA
Date of Offence:
Date of Conviction:

Date Charged: January 15, 2009
Charge Disposition: fine, victim fine surcharge
Fine: \$5,000
Synopsis:

Site: **Taggart Construction Limited**
Mobile Facility Ottawa Ontario Ottawa ON

Database:
EBR

EBR Registry No: IA07E0165
Ministry Ref No: 8556-6XWUA3
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 09, 2008
Proposal Date: January 30, 2007
Year: 2007
Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: Taggart Construction Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 3187 Albion Rd S, Ottawa Ontario, K1V 8Y3
Comment Period:
URL:

Site Location Details:

Mobile Facility Ottawa Ontario Ottawa

Site: **The Regional Municipality of Ottawa-Carleton**
Medhurst Drive to Majestic Drive Nepean ON K2P 2L7

Database:
ECA

Approval No: 1806-4JQHAS
Approval Date: 2000-04-28
Status: Approved
Record Type: ECA
Link Source: IDS
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

SWP Area Name:
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works
Business Name: The Regional Municipality of Ottawa-Carleton
Address: Medhurst Drive to Majestic Drive
Full Address:
Full PDF Link:

Site: **Taggart Construction Limited**
Mobile Facility Ottawa ON K1V 8Y3

Database:
ECA

Approval No: 0636-7KEL2F
Approval Date: 2008-11-19
Status: Approved
Record Type: ECA
Link Source: IDS
MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

SWP Area Name:
Approval Type: ECA-AIR
Project Type: AIR
Business Name: Taggart Construction Limited
Address: Mobile Facility
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8556-6XWUA3-14.pdf>

Site: Knoxdale Rd. (between Woodroffe Ave. and Newhaven St.) Ottawa ON

Database:
EHS

Order No:	20091217031	Nearest Intersection:	Knoxdale Rd. (between Woodroffe Ave. and Newhaven St.)
Status:	C	Municipality:	Ottawa
Report Type:	Custom Report	Client Prov/State:	ON
Report Date:	12/23/2009	Search Radius (km):	0.25
Date Received:	12/17/2009	X:	-75.757705
Previous Site Name:		Y:	1
Lot/Building Size:	Approximately 1.0 km of road		
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; Title Search; City Directory		

Site: CANADIAN NATIONAL RAILWAY
VARIOUS SITES WITHIN THE MOE MOE EASTERN REGION (SEE SCHEDULE "B") ON

Database:
GEN

Generator No:	ONR000704	PO Box No:	
Status:		Country:	
Approval Years:	2013	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	482113		
SIC Description:	MAINLINE FREIGHT RAIL TRANSPORTATION		

Detail(s)

Waste Class:	231
Waste Class Desc:	LATEX WASTES
Waste Class:	270
Waste Class Desc:	OTHER SPECIFIED ORGANICS
Waste Class:	147
Waste Class Desc:	CHEMICAL FERTILIZER WASTES
Waste Class:	221
Waste Class Desc:	LIGHT FUELS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	232
Waste Class Desc:	POLYMERIC RESINS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	241
Waste Class Desc:	HALOGENATED SOLVENTS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS

Waste Class: 243
Waste Class Desc: PCBS

Waste Class: 254
Waste Class Desc: TRANSFER STATION OILS WASTES

Waste Class: 213
Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 211
Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 268
Waste Class Desc: AMINES

Waste Class: 266
Waste Class Desc: PHENOLIC WASTES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

Waste Class: 113
Waste Class Desc: ACID WASTE - OTHER METALS

Waste Class: 222
Waste Class Desc: HEAVY FUELS

Waste Class: 145
Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Site: CANADIAN NATIONAL RAILWAY
 VARIOUS SITES WITHIN THE MOE MOE EASTERN REGION (SEE SCHEDULE "B") ON

Database:
 GEN

Generator No:	ONR000704	PO Box No:	
Status:		Country:	
Approval Years:	2012	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	482113		
SIC Description:	Mainline Freight Rail Transportation		

Detail(s)

Waste Class: 254
Waste Class Desc: TRANSFER STATION OILS WASTES

Waste Class: 231
Waste Class Desc: LATEX WASTES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 232
Waste Class Desc: POLYMERIC RESINS

Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	270
Waste Class Desc:	OTHER SPECIFIED ORGANICS
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	211
Waste Class Desc:	AROMATIC SOLVENTS
Waste Class:	268
Waste Class Desc:	AMINES
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	122
Waste Class Desc:	ALKALINE WASTES - OTHER METALS
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	147
Waste Class Desc:	CHEMICAL FERTILIZER WASTES
Waste Class:	266
Waste Class Desc:	PHENOLIC WASTES
Waste Class:	221
Waste Class Desc:	LIGHT FUELS
Waste Class:	213
Waste Class Desc:	PETROLEUM DISTILLATES
Waste Class:	113
Waste Class Desc:	ACID WASTE - OTHER METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	222
Waste Class Desc:	HEAVY FUELS
Waste Class:	243
Waste Class Desc:	PCBS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS

Site: ONTARIO HYDRO
WOODROFFE T.S.; RP 341791, BLOCK B OTTAWA ON

Database:
NPCB

Company Code: O0960
Industry: Utility
Site Status:
Transaction Date: 6/1/1988

Inspection Date:

Site: CH2M HILL Canada Limited
Ottawa ON

Database:
PAP

Company ID: 1462225079
Status: Inactive
Type:
Operation:
Status Desc:
Effluent Pollution Control:
Company Name:
Division:
Company Mailing Address:
Mailing Address:
Mill Mailing Address:
Mill Notes:
History:
Company History:

Year: 2009
Description:
Website:

Site: LOBLAWS LIMITED C.O.B. AS "LOBLAWS" STORE #130-7
HWY. 15, BELLS CORNERS OTTAWA ON

Database:
PES

Detail Licence No:
Licence No:
Status:
Approval Date:
Report Source:
Licence Type: Vendor
Licence Type Code:
Licence Class:
Licence Control:
Latitude:
Longitude:
Lot:
Concession:
Region:
District:
County:
Trade Name:
PDF Link:

Operator Box:
Operator Class:
Operator No:
Operator Type:
Oper Area Code:
Oper Phone No:
Operator Ext:
Operator Lot:
Oper Concession:
Operator Region:
Operator District:
Operator County:
Op Municipality:
Post Office Box:
MOE District:
SWP Area Name:

Site: ESSO PETROLEUM CANADA
TRANSPORT TRUCK (CARGO) OTTAWA CITY ON

Database:
SPL

Ref No: 59519
Site No:
Incident Dt: 11/7/1991
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/7/1991
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: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:

Incident Reason: ERROR **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ESSO-3 LITRES DIESEL FUEL TO GRND UNDER LOADING RACK, COUPLING NOT CLOSED
Contaminant Qty:

Site: QUEENSWAY TANK LINES **Database:** SPL
CARLETON PLACE TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 52979 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 6/24/1991 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: PIPE/HOSE LEAK **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: NOT ANTICIPATED **Site Municipality:** 20101
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:**
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 6/25/1991 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**
Incident Reason: EQUIPMENT FAILURE **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: QUEENSWAY TANK LINES- 10L GASOLINE TO PAVEMENT FROM HOSE FITTING.
Contaminant Qty:

Site: ESSO PETROLEUM CANADA **Database:** SPL
SERVICE STATION NEPEAN CITY ON

Ref No: 65520 **Discharger Report:**
Site No: **Material Group:**
Incident Dt: 12/23/1991 **Health/Env Conseq:**
Year: **Client Type:**
Incident Cause: CONTAINER OVERFLOW **Sector Type:**
Incident Event: **Agency Involved:**
Contaminant Code: **Nearest Watercourse:**
Contaminant Name: **Site Address:**
Contaminant Limit 1: **Site District Office:**
Contam Limit Freq 1: **Site Postal Code:**
Contaminant UN No 1: **Site Region:**
Environment Impact: NOT ANTICIPATED **Site Municipality:** 20104
Nature of Impact: **Site Lot:**
Receiving Medium: LAND **Site Conc:**
Receiving Env: **Northing:**
MOE Response: **Easting:** MCCR
Dt MOE Arvl on Scn: **Site Geo Ref Accu:**
MOE Reported Dt: 12/24/1991 **Site Map Datum:**
Dt Document Closed: **SAC Action Class:**
Incident Reason: ERROR **Source Type:**
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ESSO/TRW PETROLEUM: 30 L GASOLINE TO GROUND WHEN TANK OVERFILLED
Contaminant Qty:

Site: ESSO PETROLEUM CANADA
BULK STATION OTTAWA CITY ON

Database:
SPL

Ref No: 155190
Site No:
Incident Dt: 5/1/1998
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: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/1/1998
Dt Document Closed:
Incident Reason: NEGLIGENCE (APPARENT)
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary:
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: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

ESSO-156 L DIESEL TO LOT,LOADING ARM NOT IN TRUCKSCOMPARTMENT,PUMP STARTED.

Site: Esso Petroleum Canada, A Division of Imperial Oil Limited
Nepean Ottawa ON

Database:
SPL

Ref No: 0874-78WNRU
Site No:
Incident Dt:
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: soil contamiination
Receiving Medium: Land
Receiving Env:
MOE Response: No Field Response
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/13/2007
Dt Document Closed: 11/16/2007
Incident Reason: Equipment Failure
Site Name: 1961 Merivale Rd<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Errentom Tanklines - 8L diesel to grd
Contaminant Qty: 8 L

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

Site: Taggart Construction Limited
Ottawa ON

Database:
SPL

Ref No: 7584-BB3KRQ
Site No: NA
Incident Dt: 4/4/2019
Year:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type: Corporation

Incident Cause:
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/9/2019
Dt Document Closed:
Incident Reason:
Site Name: 1896 John Quinn rd, Metcalfe<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Mobile Crusher Relocation - 2019
Contaminant Qty:

Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: **ESSO PETROLEUM CANADA** **Database:**
SPL
TANK TRUCK (CARGO) OTTAWA CITY ON

Ref No: 47843
Site No:
Incident Dt: 3/19/1991
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/20/1991
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ESSO HOME COMFORT - TANK TRUCK SPILLED APPROX 1 L.HEATING OIL ON GROUND
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: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: **ESSO PETROLEUM CANADA** **Database:**
SPL
ESSO DISTRIBUTION STATION BULK STATION OTTAWA CITY ON

Ref No: 46877
Site No:
Incident Dt: 2/21/1991
Year:
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED

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: 20101

Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 2/21/1991
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: ESSO DISTRIB. STATION - 50 L FURNACE OIL SPILLED TO LOADING DOCK. OV/FILL.
Contaminant Qty:

Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: CANADIAN NATIONAL RAILWAY
 WAKELY RAIL YARD C.N.R. TRAIN OTTAWA CITY ON

Database:
 SPL

Ref No: 36280
Site No:
Incident Dt: 6/15/1990
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Human health
Receiving Medium: AIR
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 6/15/1990
Dt Document Closed:
Incident Reason: WELD/SEAM FAILURE
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: C.N.R. TANK CAR- PETROLEUM GAS TO ATMOSPHERE.
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: 20101
Site Lot:
Site Conc:
Northing:
Easting: E.P.S.
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: IMPERIAL OIL
 TANK TRUCK (CARGO) NEPEAN CITY ON

Database:
 SPL

Ref No: 35439
Site No:
Incident Dt: 5/29/1990
Year:
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/29/1990
Dt Document Closed:
Incident Reason: ERROR

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: 20104
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary:
Contaminant Qty:

IMPERIAL OIL - 10 L GASO- LINE TO CONCRETE. CLEAN UP COMPLETED.

Site: CANADIAN NATIONAL RAILWAY
STORAGE TANKS OTTAWA CITY ON

Database:
SPL

Ref No: 32199
Site No:
Incident Dt: 3/16/1990
Year:
Incident Cause: OTHER CONTAINER LEAK
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: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/16/1990
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: CN RAIL - 900L OIL TO WALKLEY YARD
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: 20101
Site Lot:
Site Conc:
Northing:
Easting: EPS, OTTAWA, NATIONAL TRANSPORT
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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-Dec 31, 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.

Government Publication Date: Jan 2004-Dec 2018

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-Dec 31, 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 -Apr 2021

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-Nov 2020

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-May 31, 2021

Drill Hole Database:Provincial [DRL](#)

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

Government Publication Date: 1886 - Sep 2020**Delisted Fuel Tanks:**Provincial [DTNK](#)

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

Government Publication Date: 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- Jun 30, 2021**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-May 31, 2021**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- Jun 30, 2021**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-Jan 31, 2021**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, 2020

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-Apr 2021

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-Apr 30, 2021

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing 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-Dec 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, 2019

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, 2021

National Energy Board Wells:

Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

OGWE

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

Government Publication Date: 1988-Feb 28, 2021

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-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-Apr 30, 2021

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- Jun 30, 2021

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-May 31, 2021

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2018

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-May 2021

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-Dec 31, 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.

Government Publication Date: 1988-Aug 2020

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, 2018

Anderson's Storage Tanks:

Private [TANK](#)

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal [TCFT](#)

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

Government Publication Date: 1970 - Dec 2020

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- Jun 30, 2021

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 30th, 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, 2021

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.

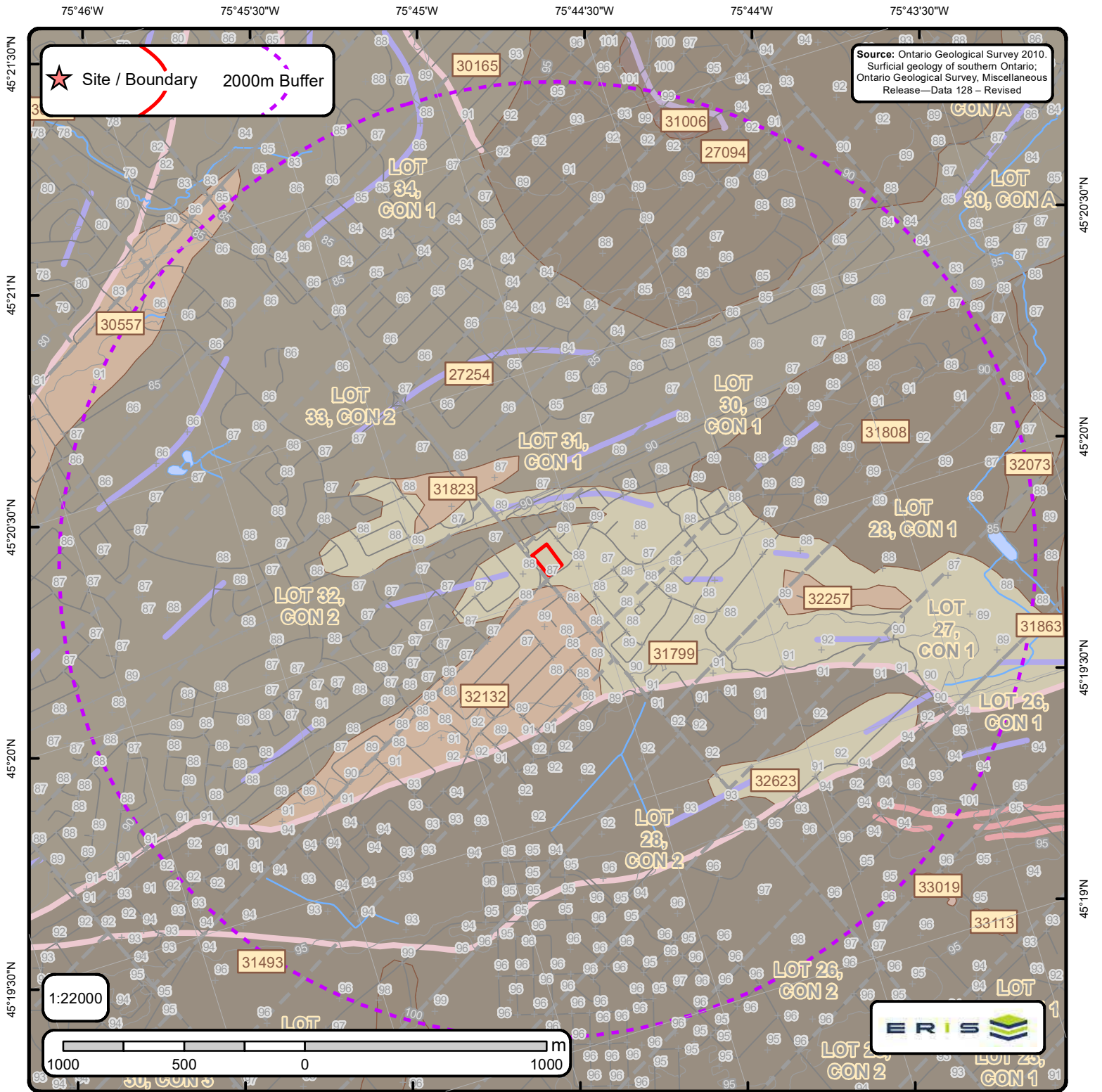
'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'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.



The Surficial Geology of Southern Ontario Order No. 21072000314

+	Spot Height	—	Streams		Dune	—	Beach	—	Esker	—	karst	—	pitsg
	Waterbody	—	Contour Lines		Lake	—	Bluff	—	Esker ND	—	linfeat	—	popup
	Wetlands	—	Roads		Rib	—	Crevasse	—	Fluvial DL	—	megarip	—	ribl
	Airports	—	Railroads		Scab	—	Crest	—	fluvndl	—	mfluvdl	—	slidel
	Pit or Quarry		Morains		Slide	—	End	—	iceberg	—	mfluvndl	—	slumpb
	Lots				NOF Dune	—	Escarpment	—	icslope	—	moraine	—	terrace

**ID: 27094 | Unit Name: Till |**

Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 27254 | Unit Name: Offshore marine deposits |

Deposit Type Code: 3a | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** silt, sand | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay and silt underlying erosional terraces; upper part of marine deposits removed to variable depths by fluvial erosion so in places clay is uniform blue-grey; unit includes lenses, bars and channel fills to sand and pockets of nonmarine silt that were

ID: 30165 | Unit Name: Offshore marine deposits |

Deposit Type Code: 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a

ID: 30557 | Unit Name: Alluvial deposits |

Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 31006 | Unit Name: Bedrock |

Deposit Type Code: Pa | **Deposit Age:** Paleozoic | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** Paleozoic Bedrock | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** | **Primary General Modifier:** | **Veneer:** clay, silt, sand, gravel, diamicton | **Episode:** | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Limestone, dolomite, sandstone, and locally shale; relatively flat lying; mainly occurring as bare, tabular outcrops; includes areas thinly veneered by unconsolidated Quaternary sediments up to 1 m (3 ft) thick.



ID: 31493 | **Unit Name:** Deltaic and estuarine deposits |
Deposit Type Code: 4 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** glaciomarine | **Primary General Modifier:** deltaic | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Medium-to fine-grained sand, in some places fossiliferous; lies outside abandoned channels; most common deposit is a combined strip delta-sand plain that developed as water levels fell.

ID: 31799 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 31808 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface |
Provenance: N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc

ID: 31823 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 32073 | **Unit Name:** Offshore marine deposits |
Deposit Type Code: 3 | **Deposit Age:** Quaternary (Champlain Sea) | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** clay, silt | **Primary Material Modifier:** | **Secondary Material:** sand | **Primary General:** glaciomarine | **Primary General Modifier:** foreshore/basinal | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Low | **Material Description:** Clay, silty clay and silt, commonly calcareous and fossiliferous; locally overlain by thin sands. Upper parts are generally mottled or laminated reddish brown and bluish grey and may contain lenses and pockets of sand, but at depth the clay is uniform a



ID: 32132 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 32257 | **Unit Name:** Alluvial deposits |
Deposit Type Code: 6b | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** sand | **Primary Material Modifier:** | **Secondary Material:** silt | **Primary General:** fluvial | **Primary General Modifier:** abandoned floodplain | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** Variable | **Material Description:** Medium grained stratified sand with some silt; in the form of fluvial terraces and channels cut in marine clay, and bars and spits within abandoned channels.

ID: 32623 | **Unit Name:** Organic deposits |
Deposit Type Code: 7 | **Deposit Age:** Recent | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** organic deposits | **Primary Material Modifier:** | **Secondary Material:** | **Primary General:** wetland | **Primary General Modifier:** | **Veneer:** | **Episode:** Hudson | **Sub Episode:** | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** | **Carbon Content:** | **Formation:** | **Permeability:** High | **Material Description:** Mainly muck and peat in bogs, fens, swamps and poorly drained areas.

ID: 32868 | **Unit Name:** Till |
Deposit Type Code: 1a | **Deposit Age:** Quaternary | **Map Number:** of3103 | **Map Name:** Ottawa | **Source Map Scale:** 1:50 000 | **Primary Material:** diamicton | **Primary Material Modifier:** sandy silt to silty sand | **Secondary Material:** | **Primary General:** glacial | **Primary General Modifier:** | **Veneer:** | **Episode:** Wisconsin | **Sub Episode:** Michigan | **Phase:** | **Stratus Modifier:** Surface | **Provenance:** N-NE | **Carbon Content:** | **Formation:** Undifferentiated silty-sandy till on Paleozoic terrain | **Permeability:** Low-Medium | **Material Description:** Sandy and silty compact diamicton, grey at depth but brown where oxidized; calcareous where derived from sedimentary rocks and not leached; consists dominantly of lodgment till. In areas that lie below marine limit (198 m a.s.l.) it is overlain by a disc



Surface Geology Report Metadata

Ontario Geological Survey 2010. Surficial geology of southern Ontario;
Ontario Geological Survey, Miscellaneous Release - Data 128 - Revised.

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



ID - ID applied to the Unit

Unit Name - Name of deposit

Deposit Type Code - The geological unit number taken from the original map legend.

Deposit Age - to show the age when the sediments were deposited, e.g., Wisconsinan, postglacial or recent.

Map Number - Original map series number, eg., 'M2402' or 'P1973'. Each sgu_point feature is tagged to its original map.

Map Name - Usually NTS area where mapping was completed, e.g., 'Golden Lake'

Source Map Scale - The scale at which the original map was captured, e.g., '1:50 000'

Primary Material - This attribute provides the user with information regarding the most prevalent material present within a given area.

Primary Material Modifier - This attribute provides the user with a more refined description of the lithological classification of the primary material.

Secondary Material - This attribute provides the user with information regarding subordinate materials present within a given area.

Primary General - This attribute provides the user with an interpretation of the depositional environment within which the primary material was deposited.

Primary General Modifier - This attribute provides the user with a refined interpretation of the primary genetic modifier.

Veneer - This attribute provides the user with information regarding the type of material that forms a thin, discontinuous veneer over the primary material.

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Sub Episode - A diachronic stratigraphic unit in a lower order than Episode and the proposed sequence-stratigraphic classification, consists in descending order of Michigan, Elgin and Ontario in the eastern and northern Great Lakes area in the Wisconsin Episode (Johnson et al. 1997; Karrow et al. 2000).

Phase - A diachronic stratigraphic unit in a lower order than Subepisode, and the proposed sequence-stratigraphic classification is listed in the following table in the eastern and northern Great Lakes area (Karrow et al. 2000)

Stratus Modifier - This attribute provides the user information regarding the stratigraphic position of the mapped unit (i.e., whether the unit occurs primarily on the surface or in the subsurface).

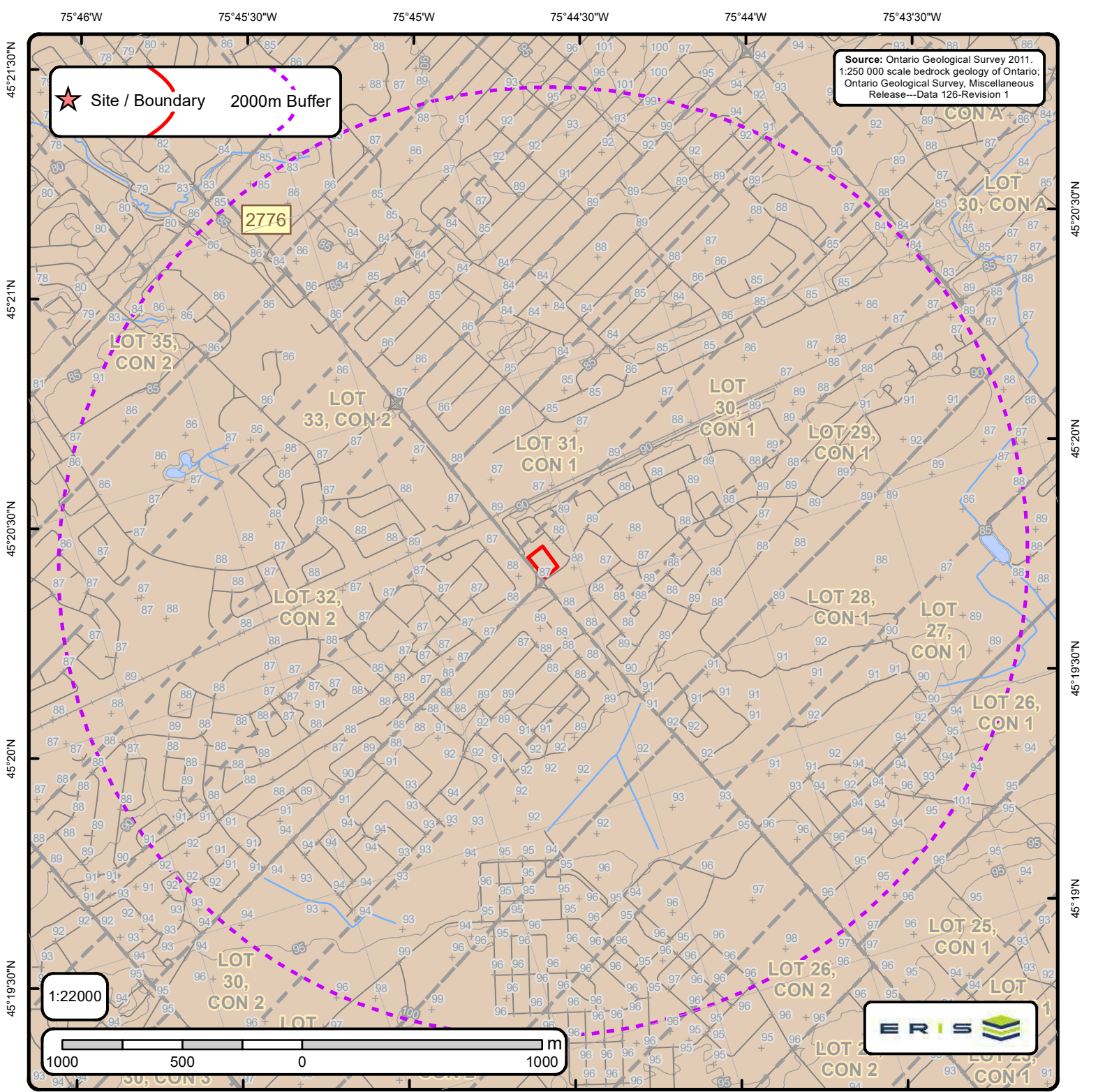
Provenance - This attribute provides the user with information regarding the provenance of a particular till unit (i.e. direction or lobe from which the till is derived).

Carbon Content - This attribute provides the user with information regarding the carbonate content of till.

Formation - This attribute provides the user with information regarding the formation to which a given primary material belongs (e.g., Tavistock Till, Port Stanley Till, Scarborough Formation). This attribute is seamless and allows the user to create a map based on formation.

Permeability - This attribute provides the user with basic information about permeability of the sediments in a ranking of high, medium and low.

Material Description - Material or sediment description, e.g., 'sand and silty fine sand', 'silty sand and gravel' and 'silty till with low stone content'.



Bedrock Geology of Ontario

Order No. 21072000314

Bedrock Geology Lines		Dikes		C Lines	
+ Spot Height	CONTACT, GEOPHYSICAL, TREND, INTERPRETED	Abitibi mafic dike	Marathon, Kapuskasing or Biscotasing mafic dike	FOLD, ANTICLINE, INTERPRETED, UNKNOWN GENERATION	Kimberlite
— Roads	CONTACT, SHARP, TREND, INTERPRETED	Biscotasing mafic dike	Matachewan mafic dike	FOLD, ANTICLINE, OBSERVED, UNKNOWN GENERATION	
— Contour Lines	CONTACT, SHARP, TREND, OBSERVED	Empey Lake mafic dike	Molson mafic dike	FOLD, ANTICLINE, SYNFORMAL, INTERPRETED, SECOND GENERATION	
— Streams	FAULT, DEXTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION	Felsic to intermediate intrusive rocks	North Channel mafic dike	FOLD, ANTIFORM, INTERPRETED, UNKNOWN GENERATION	
— Railroads	FAULT, PROJECTED FAULT, INTERPRETED, UNKNOWN GENERATION	Fort Frances mafic dike	Pickle Crow mafic dike (Molson swarm) normal	FOLD, SYNCLINE, INTERPRETED, UNKNOWN GENERATION	
— Lots	FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION	Frontenac mafic dike	Pickle Crow mafic dike (Molson swarm) reverse	FOLD, SYNCLINE, OBSERVED, UNKNOWN GENERATION	
— Pit or Quarry	FAULT, SINISTRAL HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION	Grenville mafic dike	Rideau mafic dike	FOLD, SYNFORM, INTERPRETED, UNKNOWN GENERATION	
— Airports	FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, INTERPRETED, UNKNOWN GENERATION	Logan and Nipigon mafic sills	Sudbury mafic dike		
— Waterbody	FAULT, UNKNOWN HORIZONTAL COMPONENT, INCLINED-REVERSE, OBSERVED, UNKNOWN GENERATION	Mackenzie mafic dike	Ultramafic, gabbroic and granophytic intrusions		
— Wetlands	FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, INTERPRETED, UNKNOWN GENERATION	Mafic dikes of uncertain age	Unsubdivided mafic dike		
	FAULT, UNKNOWN HORIZONTAL COMPONENT, TREND, OBSERVED, UNKNOWN GENERATION	Mafic sills and dikes	Unsubdivided mafic dike (Keweenawian age)		
	NEATLINE	Marathon mafic dike	unknown		
	ONTARIO BORDER				
	Marble, chert, iron formation, minor metavolcanic rocks				



Bedrock Geology Report

Bedrock Geology units found within 2000 m of
1545 Woodroffe Ave

Page 1
Order No.
21072000314



ID: 2776 | **Unit Name:** |
Type (All): 53 | **Type (Primary):** 53 | **Type (Secondary):** | **Type (Tertiary):** | **Rock Type (Primary):** Dolostone, sandstone | **Strata (Primary):** Beekmantown Group | **Super Eon (Primary):** | **Eon (Primary):** PHANEROZOIC (Present to 542.0 Ma) | **Era (Primary):** PALEOZOIC (251.0 Ma to 542.0 Ma) | **Period (Primary):** ORDOVICIAN (443.7 Ma to 488.3 Ma) | **Epoch (Primary):** LOWER ORDOVICIAN | **Province (Primary):**



Bedrock Geology Report Metadata

Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release-Data 126
Revision1

ONTARIO MINISTRY OF NORTHERN DEVELOPMENT, MINES AND FORESTRY



ID - Unit ID **Unit Name** - Generalized geological unit classification

Type (All) - The geological unit number(s) or code(s) for all rock types present in an individual polygon.

Type (Primary) - The primary geological unit number or code for the primary rock type in an individual polygon

Type (Secondary) - The secondary geological unit number or code for the secondary rock type, if present, in an individual polygon

Type (Tertiary) - The tertiary geological unit number or code for the tertiary rock type, if present, in an individual polygon

Rock Type (Primary) - Rock type or sub-unit description

Status (Primary) - The Stratigraphic unit. Divided into:

Supergroup (two or more groups and lone formations)
Group (two or more formations)
Formation (primary unit of lithostratigraphy)
Member (named lithologic subdivision of a formation)
Bed (named distinctive layer in a member or formation)

Super Eon (Primary) - A name given to the largest defined unit of geological time, divided into Eons. Unique values which this field may contain (Domains) are:

PRECAMBRIAN (0.542 Ga to <3.85 Ga)

Eon (Primary) - A name given to a defined unit of geological time, divided into Eras. Unique values which this field may contain (Domains) are:

ARCHEAN (2.5 Ga to <3.85 Ga)
PROTEROZOIC (0.542 Ga to 2.50 Ga)
PHANEROZOIC (Present to 542.0 Ma)

Era (Primary) - A name given to a defined unit of geological time, divided into Periods. Each era on the scale is separated from the next by a major event or change. Unique values which this field may contain (Domains) are:

MESOARCHEAN (2.8 Ga to 3.2 Ga)	MESOPROTEROZOIC (1.0 Ga to 1.6 Ga)
NEO-TO MESOARCHEAN (2.5 Ga to 3.2 Ga)	EARLY PALEOZOIC TO NEOPROTEROZOIC (443.7 Ma to 1.0 Ga)
NEOARCHEAN (2.5 Ga to 2.8 Ga)	NEO-TO MESOPROTEROZOIC (0.542 Ga to 1.6 Ga)
PALEOPROTEROZOIC (1.6 Ga to 2.5 Ga)	PALEOZOIC (251.0 Ma to 542.0 Ma)
MESO-TO PALEOPROTEROZOIC (1.0 Ga to 2.5 Ga)	MESOZOIC (65.5 Ma to 251.0 Ma)

Period (Primary) - A name given to a defined unit of geological time, divided into Epochs. Unique values which this field may contain (Domains) are:

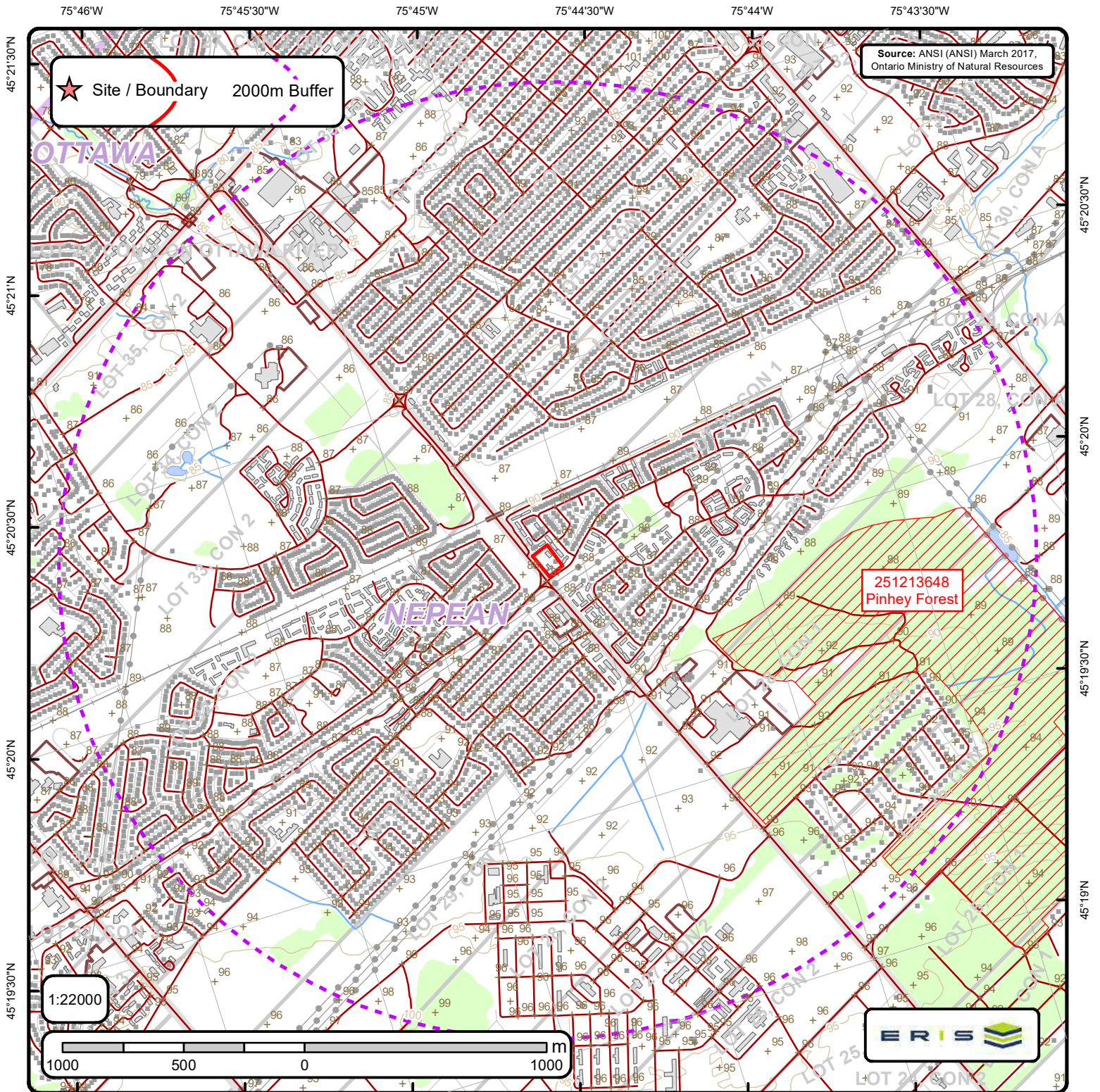
CAMBRIAN (488.3 Ma to 542.0 Ma)
ORDOVICIAN (443.7 Ma to 488.3 Ma)
SILURIAN (416.0 Ma to 443.7 Ma)
DEVONIAN (359.2 Ma to 416.0 Ma)
MISSISSIPPIAN TO DEVONIAN (318.1 Ma to 416.0 Ma)
JURASSIC (145.5 Ma to 199.6 Ma)
CRETACEOUS AND JURASSIC (65.5 Ma to 199.6 Ma)

Epoch (Primary) - A name given to a defined unit of geological time. Unique values which this field may contain (Domains) are:

LOWER ORDOVICIAN	UPPER SILURIAN
MIDDLE ORDOVICIAN	LOWER DEVONIAN
UPPER ORDOVICIAN	MIDDLE DEVONIAN
MIDDLE AND LOWER SILURIAN	UPPER DEVONIAN
UPPER SILURIAN TO LOWER DEVONIAN	LOWER CRETACEOUS AND MIDDLE JURASSIC

Province (Primary) - The Geological Province the geological unit is in. Unique values which this field may contain (Domains) are:

SUPERIOR
SOUTHERN
SUPERIOR
GRENVILLE



Area of Natural & Scientific Interest (ANSI) Order No. 21072000314

+	Spot Height	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⊗	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	■	Concession	■	Provincial Park
—	Railroads	■	Airports	■	Lots	■	National Park
—	Roads	■	Tanks	■	Municipality	■	Nature Reserve
- - -	Trail	■	Building to Scale	■	Land Ownership	■	ANSI Area



ANSI Report

ANSI Units Found within 2000 m of
1545 Woodroffe Ave

Page 1
Order No.
21072000314



ANSI Name: Pinhey Forest

ID: 251213648 | **Type:** Candidate ANSI, Life Science | **Significance:** Regional | **Management Plan:** No | **Area (sqm):** 1620058.434 |

Comments: Ansi, Life Science

75°46'W

75°45'30"W

75°45'W

75°44'30"W

75°44'W

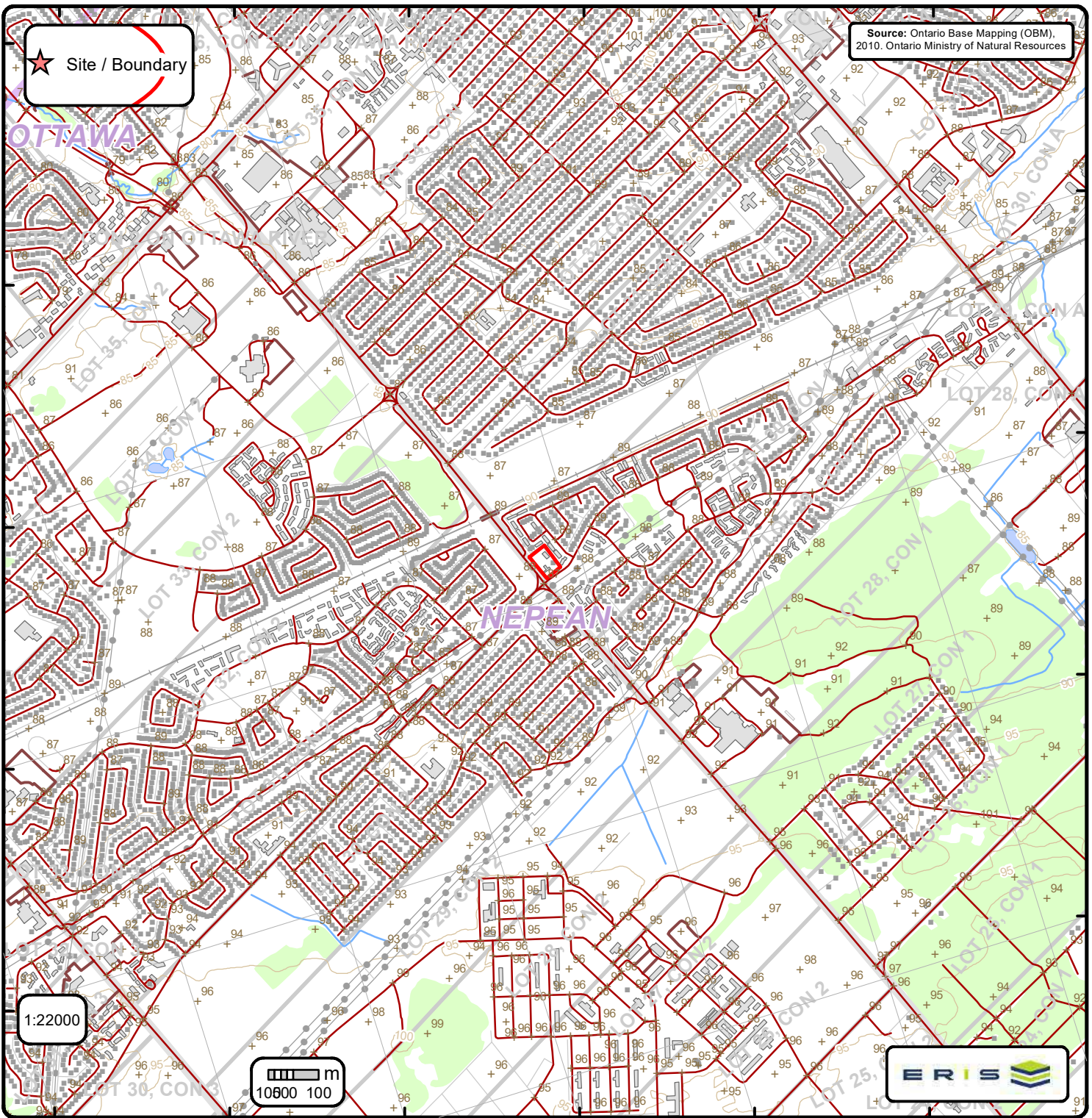
75°43'30"W

45°21'30"N
45°21'N
45°20'30"N
45°20'N
45°19'30"N
45°19'N

45°20'30"N
45°20'N
45°19'30"N
45°19'N

★ Site / Boundary

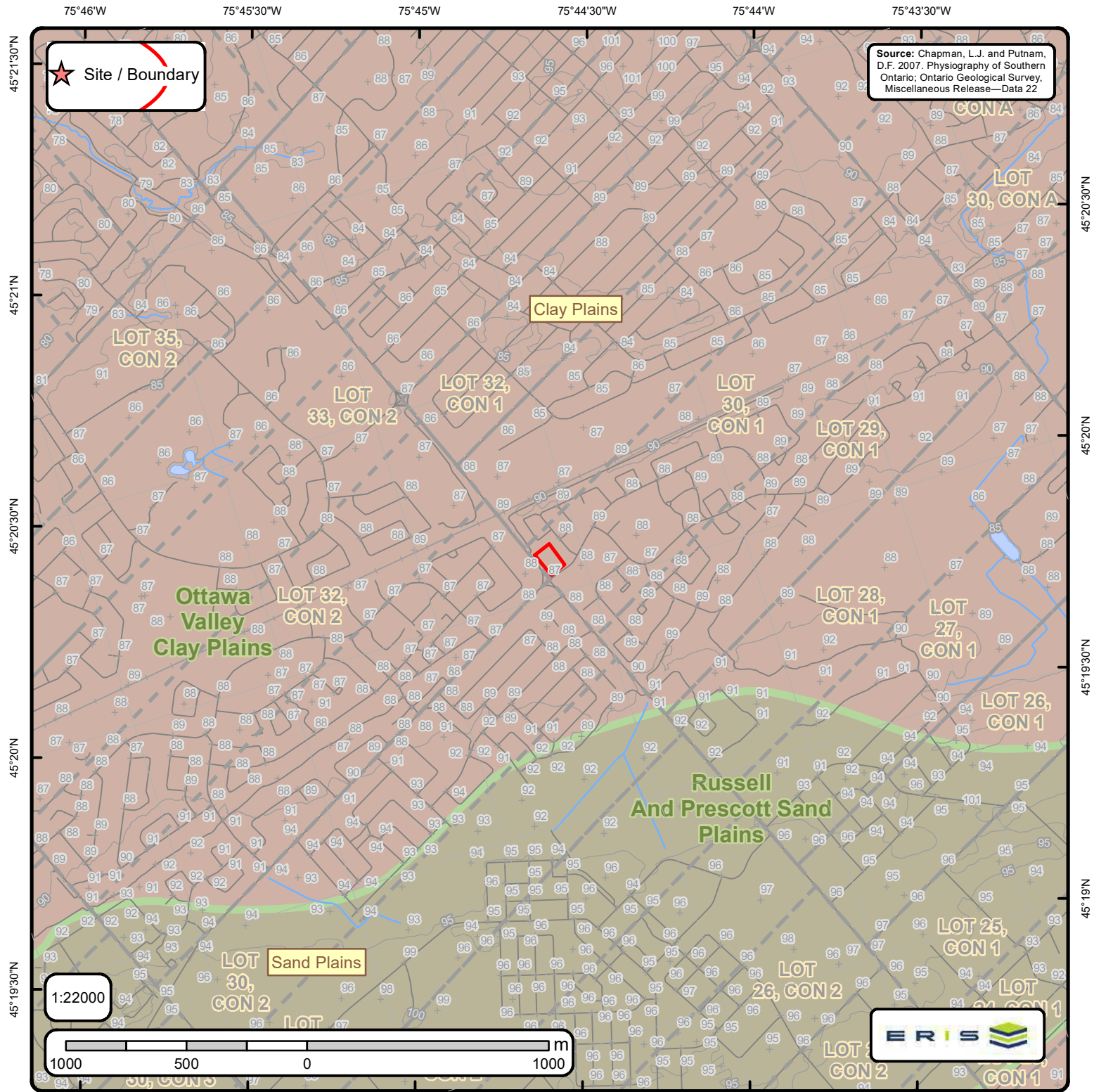
Source: Ontario Base Mapping (OBM), 2010. Ontario Ministry of Natural Resources



Ontario Base Mapping (OBM) Data

Order No. 21072000314

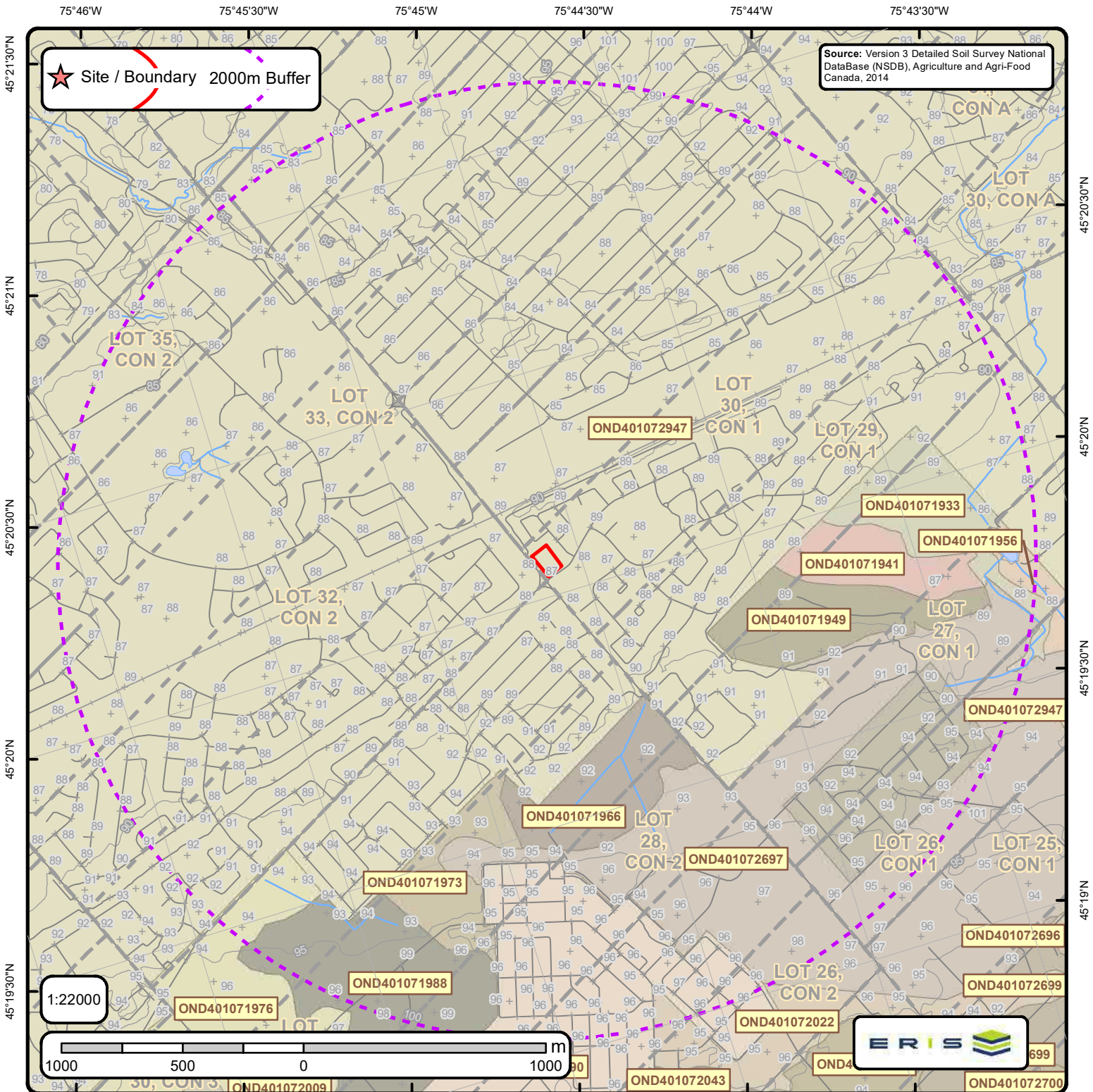
+ Spot Height (metre)	— Transportation Structure	— Contour Line	Wooded Area
■ Building Point	● Utility Line	▭ Pit or Quarry	▭ Conservation Authority
⚡ Towers	— Water Structure	▭ Waterbody	▭ Conservation Area
● Utility Site Point	— Drainage Line Feature	▭ Wetlands	▭ Municipal Park
— Misc. Line	— River or Stream	▭ Concession	▭ Provincial Park
— Railroads	▭ Airports	▭ Lots	▭ National Park
— Roads	▭ Tanks	▭ Municipality	▭ Nature Reserve
- - - Trail	▭ Building to Scale	▭ Land Ownership	



Physiography of Southern Ontario

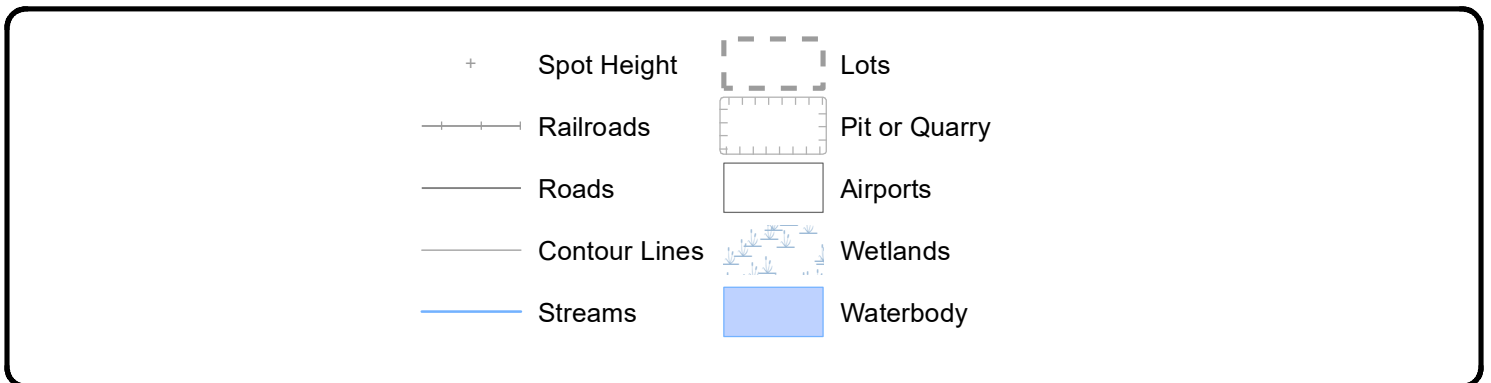
Order No. 21072000314

+	Spot Height	▭	Lots	◆	Boulder Pavement	■	Bare Rock Ridges And Shallow Till	■	Peat And Muck
—	Roads	▭	Pit or Quarry	◆	Dissected Terrain	■	Beaches	■	Sand Plains
—	Railroads	▭	Airports	■	Mud Flow Scars	■	Bevelled Till Plains	■	Shale Plains
—	Contour Lines	▭	Wetlands	▲	Sand Dunes	■	Clay Plains	■	Shallow Till And Rock Ridges
—	Streams	▭	Waterbody	—	escarpment	■	Drumlins	■	Spillways
				—	shorecliff	■	Escarpments	■	Till Moraines
				—	shorecliff (weakly developed)	■	Eskers	■	Till Plains (Drumlinized)
				▭	Physiography Regions	■	Kame Moraines	■	Till Plains (Undrumlinized)
						■	Limestone Plains		



Detailed Soil Survey (ON Soils)

Order No. 21072000314





Soil ID: OND401071941

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCNB~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : silt loam | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-21 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 16 | **Total Sand(%)** : 25 | **Total Silt(%)** : 61 | **Total Clay(%)** : 14 | **Organic Carbon(%)** : 2.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 0.687 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 21-50 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 16 | **Total Silt(%)** : 74 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.395 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-74 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 22 | **Total Sand(%)** : 26 | **Total Silt(%)** : 67 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.6 | **pH in Calc Chloride** : 7.3 | **Saturated Hydraulic Conductivity(cm/h)** : 1.047 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 74-100 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 9 | **Total Sand(%)** : 10 | **Total Silt(%)** : 80 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 0.259 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071941

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZOR~~~~~N | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Very Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-99 | **Horizon** : Oh | **Layer No** : 1 | **Very Fine Sand(%)** : -9 | **Total Sand(%)** : -9 | **Total Silt(%)** : -9 | **Total Clay(%)** : -9 | **Organic Carbon(%)** : 20.0 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 3.455 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 99-149 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 23 | **Total Silt(%)** : 17 | **Total Clay(%)** : 60 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 5.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.21 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071956

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071956

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONBDO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : Apg | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 14 | **Total Silt(%)** : 52 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.223 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 12-38 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 46 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 38-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 47 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-105 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 45 | **Total Clay(%)** : 47 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071933

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONBDO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : Apg | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 14 | **Total Silt(%)** : 52 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.223 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 12-38 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 46 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 38-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 47 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 70-105 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 45 | **Total Clay(%)** : 47 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071933

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONJKV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 19 | **Total Sand(%)** : 69 | **Total Silt(%)** : 21 | **Total Clay(%)** : 10 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 3.153 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-29 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 26 | **Total Sand(%)** : 80 | **Total Silt(%)** : 17 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.686 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 29-100 | **Horizon** : C | **Layer No** : 3 | **Very Fine Sand(%)** : 36 | **Total Sand(%)** : 83 | **Total Silt(%)** : 12 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.903 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071949

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONRUB~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 85 | **Total Silt(%)** : 10 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 7.685 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-30 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 6 | **Total Sand(%)** : 89 | **Total Silt(%)** : 8 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.8 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 6.927 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 30-50 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 88 | **Total Silt(%)** : 7 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.7 | **Saturated Hydraulic Conductivity(cm/h)** : 4.953 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 50-100 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 92 | **Total Silt(%)** : 6 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.9 | **Saturated Hydraulic Conductivity(cm/h)** : 6.887 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071949

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONMLP~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 86 | **Total Silt(%)** : 9 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 1.9 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 6.662 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-45 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 88 | **Total Silt(%)** : 9 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.9 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 7.125 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 45-65 | **Horizon** : BC | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 92 | **Total Silt(%)** : 6 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 7.099 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 65-100 | **Horizon** : C | **Layer No** : 4 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 6 | **Total Clay(%)** : 3 | **Organic Carbon(%)** : 0.0 | **pH in Calc Chloride** : 5.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.102 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072697

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401072697

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401072022

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072022

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONBDO~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils have a high runoff potential and very slow infiltration rate when thoroughly wetted. Soils include clay soils with high swelling potential, soils in a permanent high water table and shallow soils over nearly impervious material. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-12 | **Horizon** : App | **Layer No** : 1 | **Very Fine Sand(%)** : 11 | **Total Sand(%)** : 14 | **Total Silt(%)** : 52 | **Total Clay(%)** : 34 | **Organic Carbon(%)** : 2.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.223 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 12-38 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 46 | **Total Clay(%)** : 43 | **Organic Carbon(%)** : 0.5 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 38-70 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 7 | **Total Sand(%)** : 11 | **Total Silt(%)** : 47 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.9 | **Saturated Hydraulic Conductivity(cm/h)** : 0.211 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 70-105 | **Horizon** : Cg | **Layer No** : 4 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 8 | **Total Silt(%)** : 45 | **Total Clay(%)** : 47 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |



Soils Report

Soil Map Units Found within 2000 m of
1545 Woodroffe Ave

Page 5
Order No.
21072000314



Soil ID: OND401071990

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401071982

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401071976

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071976

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401072947

Component No : 1 | **Components(%)** : 100 | **Soil Name ID** : ONZUN~~~~~N | **Surface Stoniness Class** : Not Applicable | **Slop Steepness(%)** : None | **Slop Length(m)** : -9 | **Drainage** : Not Applicable | **Hydrological Soil Groups** : None | **Soil Texture of A Horizon** : None | **Field Crops Capability** : None | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Soil Name** : UNCLASSIFIED | **Water Table Characteristics** : Unspecified period | **Soil Drainage Class** : Not applicable | **Kind of Surface Material** : Unclassified | **Layer that Restricts Root Growth** : No root restricting layer | **Type of Root Restricting Layer** : n/a | **Parent Material 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Mode of Deposition 1|2|3** : Not Applicable; Not Applicable; Not Applicable | **Parent Material Chemical Property 1|2|3** : Not Applicable; Not Applicable; Not Applicable |

Soil ID: OND401071988

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONALL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-27 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 82 | **Total Silt(%)** : 10 | **Total Clay(%)** : 8 | **Organic Carbon(%)** : 1.5 | **pH in Calc Chloride** : 5.3 | **Saturated Hydraulic Conductivity(cm/h)** : 4.383 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 27-41 | **Horizon** : Bmg | **Layer No** : 2 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 87 | **Total Silt(%)** : 9 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.6 | **Saturated Hydraulic Conductivity(cm/h)** : 6.398 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 41-55 | **Horizon** : Bmg | **Layer No** : 3 | **Very Fine Sand(%)** : 28 | **Total Sand(%)** : 67 | **Total Silt(%)** : 14 | **Total Clay(%)** : 19 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 1.197 | **Electrical Conductivity(dS/m)** : 0] | **Depth(cm)** : 55-100 | **Horizon** : Ckj | **Layer No** : 4 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 12 | **Total Silt(%)** : 34 | **Total Clay(%)** : 54 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.3 | **Saturated Hydraulic Conductivity(cm/h)** : 0.197 | **Electrical Conductivity(dS/m)** : 0 |



Soil ID: OND401071988

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071973

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONBIV~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Poorly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderate limitations on use for crops | **First CLI Limitation Subclass** : None | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-17 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 31 | **Total Sand(%)** : 53 | **Total Silt(%)** : 34 | **Total Clay(%)** : 13 | **Organic Carbon(%)** : 3.1 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 2.052 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 17-33 | **Horizon** : Bg | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 30 | **Total Silt(%)** : 39 | **Total Clay(%)** : 31 | **Organic Carbon(%)** : 0.4 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.273 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 33-62 | **Horizon** : Bg | **Layer No** : 3 | **Very Fine Sand(%)** : 40 | **Total Sand(%)** : 52 | **Total Silt(%)** : 28 | **Total Clay(%)** : 20 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.1 | **Saturated Hydraulic Conductivity(cm/h)** : 0.683 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 62-84 | **Horizon** : Ckg | **Layer No** : 4 | **Very Fine Sand(%)** : 45 | **Total Sand(%)** : 62 | **Total Silt(%)** : 26 | **Total Clay(%)** : 12 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.4 | **Saturated Hydraulic Conductivity(cm/h)** : 1.597 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 84-100 | **Horizon** : Ckg | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 4 | **Total Silt(%)** : 54 | **Total Clay(%)** : 42 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 7.6 | **Saturated Hydraulic Conductivity(cm/h)** : 0.194 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071973

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONRSL~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with moderate infiltration rates when completely wetted. Soils are sandy loam soils with moderately fine to moderately coarse textures. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-20 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 86 | **Total Silt(%)** : 10 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.1 | **pH in Calc Chloride** : 5.5 | **Saturated Hydraulic Conductivity(cm/h)** : 6.641 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 20-31 | **Horizon** : Bmgj | **Layer No** : 2 | **Very Fine Sand(%)** : 5 | **Total Sand(%)** : 93 | **Total Silt(%)** : 6 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 4.7 | **Saturated Hydraulic Conductivity(cm/h)** : 9.187 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 31-53 | **Horizon** : BCgj | **Layer No** : 3 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 4.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 53-100 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 1 | **Total Sand(%)** : 98 | **Total Silt(%)** : 1 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 4.8 | **Saturated Hydraulic Conductivity(cm/h)** : 7.845 | **Electrical Conductivity(dS/m)** : 0 |



Soils Report

Soil Map Units Found within 2000 m of
1545 Woodroffe Ave

Page 8
Order No.
21072000314



Soil ID: OND401071966

Component No : 2 | **Components(%)** : 30 | **Soil Name ID** : ONCLA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 3.5 | **Slop Length(m)** : -9 | **Drainage** : Well | **Hydrological Soil Groups** : Soils that have a low runoff potential and high infiltration rate, as the soils typically are sands and gravel. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : Severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : Low inherent Moisture holding capacity | **Depth(cm)** : 0-15 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 91 | **Total Silt(%)** : 5 | **Total Clay(%)** : 4 | **Organic Carbon(%)** : 1.2 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 6.934 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 15-25 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 1.0 | **pH in Calc Chloride** : 6.6 | **Saturated Hydraulic Conductivity(cm/h)** : 8.209 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 25-66 | **Horizon** : Bm | **Layer No** : 3 | **Very Fine Sand(%)** : 3 | **Total Sand(%)** : 95 | **Total Silt(%)** : 3 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.2 | **Saturated Hydraulic Conductivity(cm/h)** : 8.325 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-82 | **Horizon** : BC | **Layer No** : 4 | **Very Fine Sand(%)** : 2 | **Total Sand(%)** : 97 | **Total Silt(%)** : 2 | **Total Clay(%)** : 1 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 8.134 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 82-100 | **Horizon** : C | **Layer No** : 5 | **Very Fine Sand(%)** : 4 | **Total Sand(%)** : 96 | **Total Silt(%)** : 2 | **Total Clay(%)** : 2 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 6.96 | **Electrical Conductivity(dS/m)** : 0 |

Soil ID: OND401071966

Component No : 1 | **Components(%)** : 70 | **Soil Name ID** : ONMUA~~~~~A | **Surface Stoniness Class** : Nonstony | **Slop Steepness(%)** : 1.2 | **Slop Length(m)** : -9 | **Drainage** : Imperfectly | **Hydrological Soil Groups** : Soils with slow infiltration rates when thoroughly wetted and these soils typically are silty-loam soils with an impeding layer or soils with moderately fine to fine texture. | **Soil Texture of A Horizon** : None | **Field Crops Capability** : moderately severe limitations on use for crops. | **First CLI Limitation Subclass** : Low inherent soil Fertility | **Second CLI Limitation Subclass** : None | **Depth(cm)** : 0-19 | **Horizon** : Ap | **Layer No** : 1 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 13 | **Total Clay(%)** : 7 | **Organic Carbon(%)** : 1.3 | **pH in Calc Chloride** : 7.0 | **Saturated Hydraulic Conductivity(cm/h)** : 4.622 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 19-28 | **Horizon** : Bm | **Layer No** : 2 | **Very Fine Sand(%)** : 18 | **Total Sand(%)** : 80 | **Total Silt(%)** : 14 | **Total Clay(%)** : 6 | **Organic Carbon(%)** : 0.6 | **pH in Calc Chloride** : 6.8 | **Saturated Hydraulic Conductivity(cm/h)** : 4.787 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 28-46 | **Horizon** : Bmgj | **Layer No** : 3 | **Very Fine Sand(%)** : 12 | **Total Sand(%)** : 81 | **Total Silt(%)** : 14 | **Total Clay(%)** : 5 | **Organic Carbon(%)** : 0.2 | **pH in Calc Chloride** : 6.5 | **Saturated Hydraulic Conductivity(cm/h)** : 5.474 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 46-66 | **Horizon** : Cgj | **Layer No** : 4 | **Very Fine Sand(%)** : 14 | **Total Sand(%)** : 24 | **Total Silt(%)** : 32 | **Total Clay(%)** : 44 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.8 | **Saturated Hydraulic Conductivity(cm/h)** : 0.216 | **Electrical Conductivity(dS/m)** : 0 | **Depth(cm)** : 66-100 | **Horizon** : Cgj | **Layer No** : 5 | **Very Fine Sand(%)** : 0 | **Total Sand(%)** : 3 | **Total Silt(%)** : 26 | **Total Clay(%)** : 71 | **Organic Carbon(%)** : 0.1 | **pH in Calc Chloride** : 5.7 | **Saturated Hydraulic Conductivity(cm/h)** : 0.193 | **Electrical Conductivity(dS/m)** : 0 |

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1545 WOODROFFE AVENUE, OTTAWA, ONTARIO



APPENDIX C – CORRESPONDENCE WITH REGULATORY AGENCIES

July 20, 2021

Ministry of the Environment and Climate Change
Ottawa District Office
103-2430 Don Reid Drive
Ottawa ON K1H 1E1

Re: Freedom of Information Request (FOI)
Civic Address: 1545 Woodroffe Avenue, Ottawa, Ontario

Dear Sir/Madam,

We have been authorized to perform a Phase I Environmental Site Assessment (ESA) for the part of the above-noted property located in Stittsville, Ontario. As part of the ESA we are required to review past environmental occurrences on the subject property. In order to perform this part of the research, we would like to enquire as to whether or not your office has any record of Orders, Approvals or other documentation pertaining to this property.

If you have any further questions or require further clarification, please do not hesitate to contact the undersigned.

Yours Truly,

A handwritten signature in blue ink, appearing to read "Dan Arnott", with a long horizontal flourish extending to the right.

Dan Arnott, P.Eng.
(613) 714-4589
d.arnott@mcintoshperry.com

Dan Arnott

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: July 20, 2021 2:41 PM
To: Dan Arnott
Subject: RE: Phase I ESA info search request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

RECORD FOUND

Hello Dan,

Thank you for your request for confirmation of public information.

- We confirm that there are records in our database of fuel storage tanks at the subject addresses:

INSTANCE NUMBER	ADDRESS	CITY	PROVINCE	POSTAL CODE	STATUS	FACILITY
10870830	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
10870852	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
10870869	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
10870885	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
10870900	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
10870917	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
11296282	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
11296288	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
11296299	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
11296305	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
11296308	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
11296315	1545 WOODROFFE AV	NEPEAN	ON	K2G 1W2	EXPIRED	FS LIQUI
29883698	1545 WOODROFFE AVE	NEPEAN	ON	K2G 1W2	ACTIVE	FS CYLIN
62960859	1545 WOODROFFE AVE	NEPEAN	ON	K2G 1W2	ACTIVE	FS LIQUI
62960861	1545 WOODROFFE AVE	NEPEAN	ON	K2G 1W2	ACTIVE	FS LIQUI
62960862	1545 WOODROFFE AVE	NEPEAN	ON	K2G 1W2	ACTIVE	FS LIQUI
62960863	1545 WOODROFFE AVE	NEPEAN	ON	K2G 1W2	ACTIVE	FS LIQUI
9735974	1545 WOODROFFE AVE	NEPEAN	ON	K2G 1W2	ACTIVE	FS GASC

For a further search in our archives 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 publicinformationsservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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.

Kind regards,

Saara



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org

www.tssa.org



From: Dan Arnott <d.arnott@mcintoshperry.com>
Sent: July 20, 2021 2:39 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: Phase I ESA info search request

[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,

Please let me know if you have any records for 1545 Woodroffe Avenue, Ottawa (Nepean), Ontario.

It is an active retail fuel outlet so I will likely be placing an order for what you have on file.

Best,
Dan

Dan Arnott, P.Eng.

Manager, Geo-environmental

115 Walgreen Road, R.R. 3, Carp, ON K0A 1L0

T. 613.714.4589 | F. 613.836.3742 | C. 613.897.8818

d.arnott@mcintoshperry.com | www.mcintoshperry.com

McINTOSH PERRY

Turning Possibilities Into Reality

Confidentiality Notice – If this email wasn't intended for you, please return or delete it. Click [here](#) to read all of the legal language around this concept.



Platinum
member



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.



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Customer Service: 1.877.682.8772
 Fax: 416.734.3568
 Email: publicinformationsservices@tssa.org
www.tssa.org

Application for Release of Public Information Issued under the Access and Privacy Code

Clear Form

Print Form

A. REQUESTOR INFORMATION:

Your File/Project/Reference No: CCO-21-2432-06 Date: July 20, 2021

Requestor Name: Dan Arnott		Organization McIntosh Perry		For Office Use Only	
Suite/Unit No:	Street No: 115	Street Name: Walgreen Road			Authorization No.
City: Carp	Province: ON	Postal Code: K0A 1L0			Account No.
Primary Phone: (613) 714-4589		Secondary Phone: (613) 897-8818			SR No.
Email:		Fax:			P.I No:

B. PROGRAM (check ALL that apply)

Boilers & Pressure Vessels
 Elevating & Amusement Devices
 Fuels
 Upholstered and Stuffed Articles

C. DETAILS OF REQUEST (please list in detail the information you require)

All available information for tanks, spills, or other reports at active retail fuel outlet at 1545 Woodroffe Avenue, Ottawa (Nepean), Ontario for the purpose of preparing a Phase One Environmental Site Assessment

D. PLEASE ANSWER ALL THAT APPLY:

Address of Subject Location (one address per form)
1545 Woodroffe Avenue

Device/equipment Type: _____ Owner: _____

Installation Number: _____

CRN: _____ OIN: _____ Serial #: _____

Victim Name (if applicable): _____

Certificate Holder Name (if applicable): _____ Certificate Holder Date of Birth: _____
(DD-MM-YYYY)

Date /period requested:

From (date): _____ to (date) _____
 Most recent record



Technical Standards and Safety Authority
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Fax: 416.734.3568
 Customer Service: 1.877.682.8772
 Email: publicinformationsservices@tssa.org
www.tssa.org

Application for Release of Public Information Issued under the Access and Privacy Code

E. REASON FOR REQUEST (please explain the reason for your request)

Phase One Environmental Site Assessment - to document the current and past uses of the Site and to identify any soil and/or groundwater contamination

F. TERMS AND CONDITIONS:

Please refer to the link for our Access and Privacy Code [Access and Privacy Code.pdf](#). If this request includes a release of personal information, TSSA will require consent from the effected party.

Applicant Signature 	Please Print and sign before returning to TSSA	Date July 20, 2021
-------------------------	---	-----------------------

G. FEES & PAYMENT:

TSSA will provide a fee quote for multiple record requests, which must be approved by the Applicant before a record search commences. For fees for single searches, please refer to Fee Schedule [Website Fee Schedule.pdf](#)

Payment for single record search is attached (please check if payment attached)

	Technical Standards and Safety Authority 345 Carlingview Drive Toronto, Ontario M9W 6N9	COMPLETE FOR CREDIT CARD PAYMENTS
--	---	--

Office Use Only

Application Number: _____	Ward Number: _____	Application Received: (dd/mm/yyyy): _____
Client Service Centre Staff: _____	Fee Received: \$	_____



Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business Support Services, Planning 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:**

1545 Woodroffe Avenue, Ottawa, ON

** Mandatory Field*

Applicant/Agent Information:

Name: McIntosh Perry Consulting Engineers Ltd.

Mailing Address:

Telephone: (613) 714-4589 Email Address: d.arnott@mcintoshperry.com

Registered Property Owner Information:

Same as above

Name: Mac's Convenience Stores Ltd.

Mailing Address:

Telephone: Email Address:

Site Details

Legal Description
and PIN:

PINs #04657-0590 and 04657-0604

What is the land
currently used for?

Lot frontage:

m

Lot depth:

m

Lot area:

m²

OR

Lot area: (irregular lot)

8,209.89

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

\$128.00

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 21/07/2021 _____ ("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: Dan Arnott

Dated (dd/mm/yyyy): Manager, Geo-Env. _____

Per: _____

(Please print name)

Title: _____

Company: _____

McINTOSH PERRY

July 21, 2021

Historic Land Use Inventory (HLUI) Office
City of Ottawa
110 Laurier Avenue West
Ottawa, Ontario
K1P 1J1


Re: Phase One Environmental Site Assessment (ESA), 1545 Woodroffe Avenue, Ottawa, Ontario (CO-21-2432-06)

McIntosh Perry has been retained by Circle K Stores and Alimentation Couche-Tard to complete a Phase One Environmental Site Assessment at the property addressed as 1545 Woodroffe Avenue, Ottawa, Ontario.

With this letter, the property owners authorize the City of Ottawa and other regulatory bodies to release, to McIntosh Perry Consulting Engineers Ltd., information requested for the purpose of completing a Phase I Environmental Site Assessment at the above-noted properties.

Name of Property Owners: Mac's Convenience Stores inc.

Property Owners Representatives: Joel John, Real Estate Development Manager
(please print)

Signature of Property Owner or Representative: 

Date: July 21, 2021

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1545 WOODROFFE AVENUE, OTTAWA, ONTARIO



APPENDIX D – AERIAL PHOTOGRAPHS



HISTORICAL AERIALS

Project Property: Phase I ESA - Circle K - 1545 Woodroffe
1545 Woodroffe Ave
Nepean ON K2G

Project No: CCO-21-2432-06

Requested By: McIntosh Perry Consulting Engineers

Order No: 21072000314

Date Completed: July 20, 2021

Decade	Year	Image Scale	Source
1920	Not Available		
1930	Not Available		
1940	1946	15000	NAPL
1950	1953	15000	NAPL
1970	1976	10000	City of Ottawa
1980	1989	25000	NAPL

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Environmental Risk Information Services

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1.866.517.5204 | info@erisinfo.com | erisinfo.com



0 0.125 0.25 0.5
Kilometers

Order Number: 21072000314

Year: 1946
Source: NAPL
Map Scale: 1: 10000
Comments: Adjacent Frame Unavailable





0 0.125 0.25 0.5
Kilometers

Order Number: 21072000314

Year: 1953
Source: NAPL
Map Scale: 1: 10000
Comments:





0 0.125 0.25 0.5
Kilometers

Order Number: 21072000314

Year: 1976
Source: City of Ottawa
Map Scale: 1: 10000
Comments:





0 0.125 0.25 0.5
Kilometers

Order Number: 21072000314

Year: 1989
Source: NAPL
Map Scale: 1: 10000
Comments:







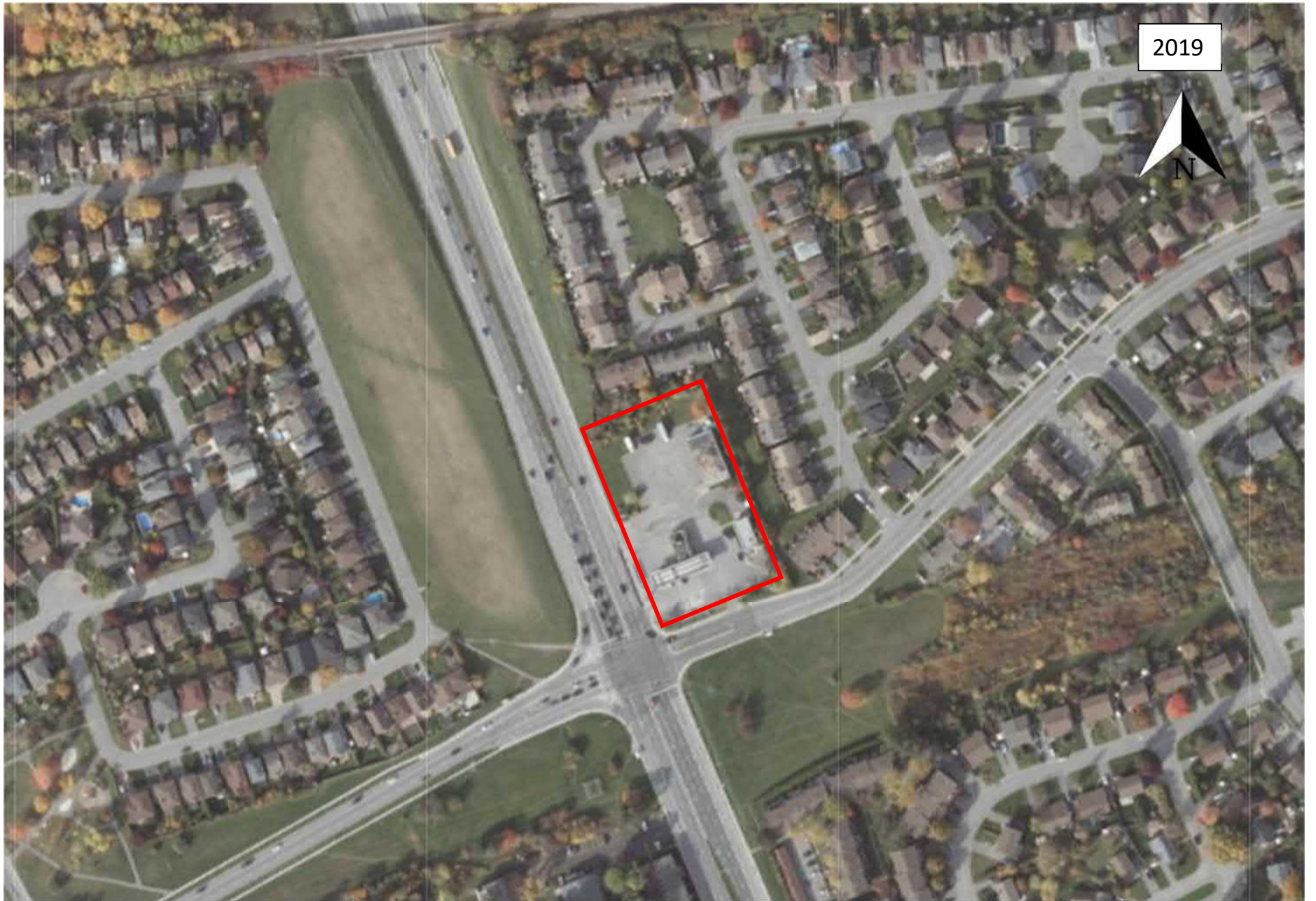
1999





2008





2019



PHASE ONE ENVIRONMENTAL SITE ASSESSMENT 1545 WOODROFFE AVENUE, OTTAWA, ONTARIO



APPENDIX E – SITE PHOTOGRAPHS



Photo 1: View of the west-facing retail fuel outlet and fuel pumps (left)



Photo 2: View of the fuel pumps, canopy, tank nest (background) and on-site catch basin (foreground)



Photo 3: View of the retail fuel outlet, car wash (background) and transformer box (foreground)



Photo 4: View of the commercial car wash, landscaped areas and drive lanes



Photo 5: View of the tank nest (foreground), fuel pumps and Woodroffe Avenue (background)



Photo 6: View of the commercial building in the northeast portion of the Site



Photo 7: View of the parking area in the northwest portion of the Site



Photo 8: View of the fenced-in metal dumpster south of the car wash



Photo 9: View of monitoring wells installed west of the fuel pumps



Photo 10: View of a monitoring well installed in a landscaped area west of the car wash



Photo 11: View of a monitoring well south of the Site, on Medhurst Drive View facing south



Photo 12: View facing south of the intersection of Woodroffe Avenue and Medhurst Drive/Knoxdale Road



Photo 13: View of residential buildings facing east on Medhurst Drive



Photo 14: View of residential buildings facing west on Knoxdale Road