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Phase I-Environmental Site Assessment

Western Part of 1200 Maritime Way
Ottawa, Ontario

Prepared For

Claridge Homes (Timberwalk) LP

March 31, 2020

Report: PE4888-1

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by Claridge Homes (Timberwalk) LP to conduct a Phase I-Environmental Site Assessment (ESA) for the western portion of 1200 Maritime Way, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property has never been developed or used. No concerns were noted with the historical use of the Phase I Property.

Neighbouring lands were also vacant until the early 1990s, when some commercial developments occurred, primarily retail and hotels. No off-site historical potentially contaminating activities (PCAs) were identified within the study area and as such, there are no areas of potential environmental concern (APECs).

Following the historical research, a site visit was conducted. The Phase I Property is currently vacant. Neighbouring land use consisted of commercial and residential land. No PCAs and thus, no APECs were noted with the current use of the Phase I Property or lands within the Phase I Study Area.

Conclusion

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is not required for the Phase I Property.**

1.0 INTRODUCTION

At the request of Claridge Homes, Paterson Group (Paterson) conducted a Phase I-Environmental Site Assessment (Phase I-ESA) for the western portion of the property addressed 1200 Maritime Way, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the subject land.

Paterson was engaged to conduct this Phase I-ESA by Mr. Vincent Denomme with Claridge Homes. The head office of Claridge Homes is located at 210 Gladstone Avenue, Ottawa. Mr. Denomme can be reached by telephone at (613) 233-6030.

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

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

3.0 SCOPE OF INVESTIGATION

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

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

4.0 RECORDS REVIEW

4.1 General

Phase I-ESA Study Area Determination

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

First Developed Use Determination

Based on historical information, the Phase I Property has never been developed.

National Archives

Fire Insurance Plans (FIPs) are not available for the Phase I Property and lands within the Phase I Study Area.

City directories were reviewed for Phase I Study Area. The Phase I Property has never been developed. It should be noted that the Ottawa Directories were not available for the Phase I Study Area until 2000.

Neighbouring properties in the Phase I Study Area were largely vacant lands and unlisted.

Chain of Title

Paterson did not request a Chain of Title for the subject site as it was determined that sufficient information was gathered from other sources, such as personal interviews, aerial photographs and city directories.

Plan of Survey

A plan of survey was not available for review at this time.

Previous Engineering Reports

A Phase I ESA was conducted for 1250 Maritime Way by Golder Associates in 2016. Based on the 2016 Phase I ESA, the Phase I Property has always been undeveloped land. No potentially contaminating activities (PCAs) were identified on the Phase I Property or study area that would result in areas of potential concern (APECs).

A Geotechnical Investigation was also completed by Golder Associates for the proposed development at that time (currently the Timberwalks Retirement Home) at 1250 Maritime Way. Several boreholes and groundwater wells were drilled and completed across 1250 and 1200 Maritime Way.

4.2 Environmental Source Information

Areas of Natural Significance

A search for areas of natural significance and features within the Phase I Study Area was conducted on the website of the Ontario Ministry of Natural Resources (MNR) on February 27, 2020. The search did not reveal any natural features or ANSIs within the Phase I Study Area.

Environment Canada

A search of the National Pollutant Release Inventory (NPRI) was conducted electronically on February 27, 2020. Based on the search results, the Phase I Property and other properties within the 250m study area are not listed in the NPRI.

An ERIS (Environmental Risk Information Service) search was requested for the Phase I Property and properties within the Phase I Study Area. According to the ERIS search, 101 Kanata Avenue (the Holiday Inn), approximately 250 m away from the Phase I Property was listed as an NPRI/nitrogen oxides emitter in 2004. Based on the type of contaminant release and medium, the former NPRI is not considered to have impacted the Phase I Property. A copy of the ERIS report is provided in Appendix 2.

PCB Inventory

A search of national PCB waste storage sites was conducted on February 27, 2020. No PCB waste storage sites are located within the Phase I Study Area.

Ministry of the Environment, Conservation and Parks Freedom of Information Request

An ERIS (Environmental Risk Information Service) search was requested in lieu of the Ministry of Environment, Conservation and Parks (MECP) Freedom of Information (FOI) request as part of this Phase I-ESA.

MECP Instruments

An ERIS search was requested for information with respect to certificates of approval, permits to take water, certificates of property use or any other similar MECP issued instruments for the Phase I Property and properties within the Phase I Study Area.

According to the ERIS report, there were no Environmental Compliance Approval (ECA) or permits or Certificate of Approval (CA) issued for the Phase I Property. Three (3) Environmental Compliance Approvals (ECAs) and Certificates of Approval (CAs) were issued for properties within the Phase I Study Area for two (2) properties located 250 m away from the Phase I Property. Based on the separation distances, these ECAs and CAs are considered a non-issue.

No other permits, certificates of approval or environmental compliance approvals were identified within the Phase I Study Area. A copy of the ERIS report is provided in Appendix 2.

MECP Waste Management Records

According to the ERIS report, no waste management records were found for the Phase I Property. Two (2) waste generator reports were identified for 101 Kanata Avenue (the Holiday Inn), approximately 250 m away from the Phase I Property. Based on the separation distance relative to the Phase I Property, this waste generator is not considered to have impacted the subject land. A copy of the ERIS report is provided in Appendix 2.

MECP Submissions

According to the ERIS search, there were no records pertaining to the environmental conditions of the Phase I Property or the Phase I Study Area. A copy of the ERIS report is provided in Appendix 2.

MECP Incident Reports

According to the ERIS report, there were no environmental incidents, orders, offences, spills or discharges of contaminants for the Phase I Property.

Two (2) spill records as well as a pipeline incident were reported to have occurred 226 m away from the Phase I Property. Based on the significant separation distances, these reported spills and/or incident are not considered to represent areas of potential environmental concern (APECs) on the Phase I Property. A copy of the ERIS report is provided in Appendix 2.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry (ESR) was conducted as part of this assessment for the site, neighbouring properties and the general area of the site. No Records of Site Condition (RSCs) were filed for the Phase I Property or for other properties within the Phase I Study Area.

MECP Waste Disposal Site Inventory

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

Technical Standards and Safety Authority (TSSA)

The TSSA, Fuels Safety Branch in Toronto was not contacted electronically to inquire about current and former underground storage tanks, spills and incidents for the site and neighbouring properties. Instead, an ERIS search was requested for reports pertaining to environmental incidents, orders, offences, spills and discharges of contaminants regarding the Phase I Property and properties within the Phase I Study Area.

According to the ERIS search results, there are no records pertaining to the Phase I Property or the Phase I Study Area. A copy of the ERIS report is provided in Appendix 2.

ERIS Report

As previously discussed, an ERIS search was conducted for the Phase I Property and lands within the Phase I Study Area. No other search results regarding the Phase I Property were identified in the ERIS report.

One additional record from Scott's Manufacturing Directory was identified within the study area. The listing was Legion Magazines (86 Aird Place), which according to the ERIS report were considered periodical publishers. This publisher was located approximately 250 m away from the Phase I Property, and therefore, not considered to have impacted the Phase I Property based on the separation distance. No other pertinent information was provided in the ERIS search report. A copy of the ERIS report is provided in Appendix 2.

City of Ottawa Landfill Document

The document entitled “Old Landfill Management Strategy, Phase I – Identification of Sites, City of Ottawa”, was reviewed. Based on the document, there are no abandoned waste disposal sites within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI)

A request for a search of the City of Ottawa’s Historical Land Use Inventory (HLUI) database was submitted to the City of Ottawa. A response had not been received at the time of issuing this report. A copy of the HLUI2005 search results will be forwarded to the client. A copy of the HLUI request form is provided in Appendix 2.

4.3 Physical Setting Sources

Aerial Photographs

Historical air photos from the National Air Photo Library were reviewed in approximate ten (10) year intervals, the earliest aerial photograph was from 1976. Based on the review, the following observations have been made:

- | | |
|------|---|
| 1963 | The subject site and surroundings lands are vacant and partially treed. |
| 1976 | The subject site and surroundings lands remain unchanged from the previous photograph. |
| 1991 | The subject site and surrounding lands to the north, east and west remain unchanged from the previous photograph. Highway 417 is present at this time with a commercial development on the south side of the road. |
| 2002 | The subject site remains vacant at this time; however, fill material associated with the construction of Maritime Way is present on-site and on the neighbouring properties. A drainage pond is present to the west of the site. Surrounding lands to the north are developed with residential developments with some commercial buildings further southeast. A hotel to the southwest of the subject land is present at this time. |

- 2011 No significant changes are apparent on the subject site. Kanata Avenue and Maritime Way are present at this time. Lands are vacant to the north and east, while the commercial plaza and Highway 417 are present to the southwest and south, respectively.
- 2017 The subject site and neighbouring lands, with the exception of the hotel to the north, remain unchanged from the previous photograph and appears as it currently exists.

Laser copies of selected aerial photographs reviewed are included in Appendix 1.

Topographic Maps

Topographic maps were obtained from Natural Resources Canada – The Atlas of Canada website and from the City of Ottawa website. The topographic maps indicate that the local topography in the immediate vicinity of the site slopes gently downward to the south. The regional topography, slopes down in a southwesterly direction towards Carp River. An illustration of the referenced topographic map is presented on Figure 2 – Topographic Map, appended to this report.

Physiographic Maps

A Physiographic Map was reviewed from the Natural Resources Canada – The Atlas of Canada website. According to this physiographic map, the site is located in the St. Lawrence Lowlands.

According to the mapping description provided: “The lowlands are plain-like areas that were all affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets.” The Phase I Property is located in the Central St. Lawrence Lowland, which is generally less than 150 m above sea level.

Geological Maps

The Geological Survey of Canada website on the Urban Geology of the National Capital Area was consulted as part of this assessment. Based on this information, bedrock in the area of the site consists of sandstone of the Nepean Formation and exposed bedrock from 0 to 1 m below the existing ground.

Natural Water Bodies and Areas of Natural Significance

No natural water bodies or areas of natural significance are known to exist on the Phase I Property or within the Phase I Study Area.

Water Well Records

The MECP online interactive well record mapping system was accessed on February 27, 2020, to conduct a search for all drilled wells within 250 m of the Phase I Property.

The search returned one well record, a test hole drilled at 1047 Canadian Shield Boulevard, approximately 236 m northeast of the Phase I Property. The test hole was drilled to 14 m below the existing grade. No other information was provided in the well record. A copy of the well record is provided in Appendix 2.

5.0 INTERVIEWS

Mr. Vincent Denomme of Claridge Homes, the current property owner, was interviewed via email on February 27, 2020. The Phase I Property has never been developed and is slated for development in the near future. The property owner is not aware of any potential environmental concerns regarding the subject land or neighboring properties.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The site visit was conducted on February 27, 2020. Weather conditions were overcast with a temperature of approximately -2°C. Ms. Mandy Witteman from the Environmental Department of Paterson conducted the site assessment.

In addition to the site, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site visit.

6.2 Specific Observation at Phase I Property

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. There are presently no services entering the Phase I Property. Underground utility services in the immediate vicinity of the subject land include natural gas, electricity, water and sewer services. No well or private sewage system was observed on the property at the time of the site visit. Two monitoring wells were noted on-site at the time of the site visit, which are expected to be associated with a geotechnical investigation that was conducted on-site in 2016.

Site Features

There are no buildings present on the Phase I Property. It currently exists as vacant land covered in brush with an undulating topography, which could be attributed to reworked native soil piles from the pre-development phase of the immediate area.

The site topography was relatively at grade with Maritime Way and slightly below the grade of the neighbouring westerly property. Site drainage typically occurs through infiltration.

Neighbouring Properties

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

- North: Maritime Way, followed by the Marriott Hotel;
- South: Vacant land, followed by Highway 417;
- East: Vacant land, followed by a small stormwater management pond;
- Southwest: Kanata Avenue, followed by a hotel; and
- West: Residential development (Timberwalk Retirement Home), followed Maritime Way.

Land use within the Phase I Study Area consists mainly of residential land and commercial hotels. No concerns were identified with the current use of the surrounding lands. The surrounding land use within the Phase I Study Area is presented on Drawing PE4888-2 – Surrounding Land Use Plan.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on the available historical records, the Phase I Property has never been developed. The Phase I Property has been owned by Claridge Homes since the early 2000. There are no potential environmental concerns associated with the historical and current use of the Phase I Property

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No potentially contaminating activities (PCAs) were identified on the Phase I Property or Phase I Study Area.

Contaminants of Potential Concern

No Contaminants of Potential Concern (CPCs) were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

According to the Geological Survey of Canada website, the bedrock in the area of the Phase I Property is reported to consist of sandstone bedrock from the Nepean Formation. The overburden is reported to consist of exposed bedrock at depths ranging between 0 to 1 m over the entire site.

The regional topography slopes down in a southwesterly direction towards the Carp River. The local groundwater flow beneath the Phase I Property is inferred to flow in a southwest direction as well.

Existing Buildings and Structures

There are no buildings or structures present on the Phase I Property.

Subsurface Structures and Utilities

The Phase I Property is situated in a municipally serviced area. There are presently no services entering the Phase I Property. Underground utility services in the immediate vicinity of the subject land includes natural gas, electricity, water and sewer services.

Fill Material

Fill material was noted during the aerial photography review of the Phase I Property in 2002. It is expected that the fill material is reworked native soil and bedrock associated with the construction of the local roadways (Maritime Way and Kanata Avenue) in the immediate area.

Water Bodies and Areas of Natural Significance

No areas of natural significance or water bodies were identified on the Phase I Property or within the Phase I Study Area.

Drinking Water Wells

There are no potable water wells on the Phase I Property.

Neighbouring Land Use

Neighbouring lands in the Phase I Study Area consist primarily of residential, commercial and community purposes.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, there were no PCAs identified on the Phase I Property or the Phase I Study Area. Therefore, there are no areas of potential environmental concern (APECs).

Contaminants of Potential Concern

There are no APECs on the Phase I Property and as such, no contaminants of potential concern (CPCs) identified on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I- ESA is considered to be sufficient to conclude that there are no PCAs that result in APECs on the Phase I Property. A variety of independent sources were consulted as part of this assessment, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.

8.0 CONCLUSIONS

Assessment

Paterson Group was retained by Claridge Homes (Timberwalk) LP to conduct a Phase I-Environmental Site Assessment (ESA) for the western portion of 1200 Maritime Way, in the City of Ottawa, Ontario, herein referred to as the Phase I Property. The purpose of this Phase I-ESA was to research the past and current use of the Phase I Property and 250m study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

According to the historical research, the Phase I Property has never been developed or used. No concerns were noted with the historical use of the Phase I Property.

Neighbouring lands were also vacant until the early 1990s, when some commercial developments occurred, primarily retail and hotels. No off-site historical potentially contaminating activities (PCAs) were identified within the study area and as such, there are no areas of potential environmental concern (APECs).

Following the historical research, a site visit was conducted. The Phase I Property is currently vacant. Neighbouring land use consisted of commercial and residential land. No PCAs and thus, no APECs were noted with the current use of the Phase I Property or lands within the Phase I Study Area.

Based on the results of the assessment, **it is our opinion, that a Phase II Environmental Site Assessment is not required for the Phase I Property.**

9.0 STATEMENT OF LIMITATIONS

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

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

This report was prepared for the sole use of Claridge Homes (Timberwalk) LP. Permission and notification from Claridge Homes (Timberwalk) LP and Paterson will be required to release this report to any other party.

Paterson Group Inc.



Mandy Witteman, B.Eng., M.A.Sc.



Mark D'Arcy, P.Eng., Q.P.ESA



Report Distribution:

- Claridge Homes (Timberwalk) LP
- Paterson Group

10.0 REFERENCES

Federal Records

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

Provincial Records

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

Municipal Records

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

Local Information Sources

Personal Interviews.

Public Information Sources

Google Earth.
Google Maps/Street View.

Private Information Sources

ERIS Report

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE4888-1 – SITE PLAN

DRAWING PE4888-2 – SURROUNDING LAND USE PLAN

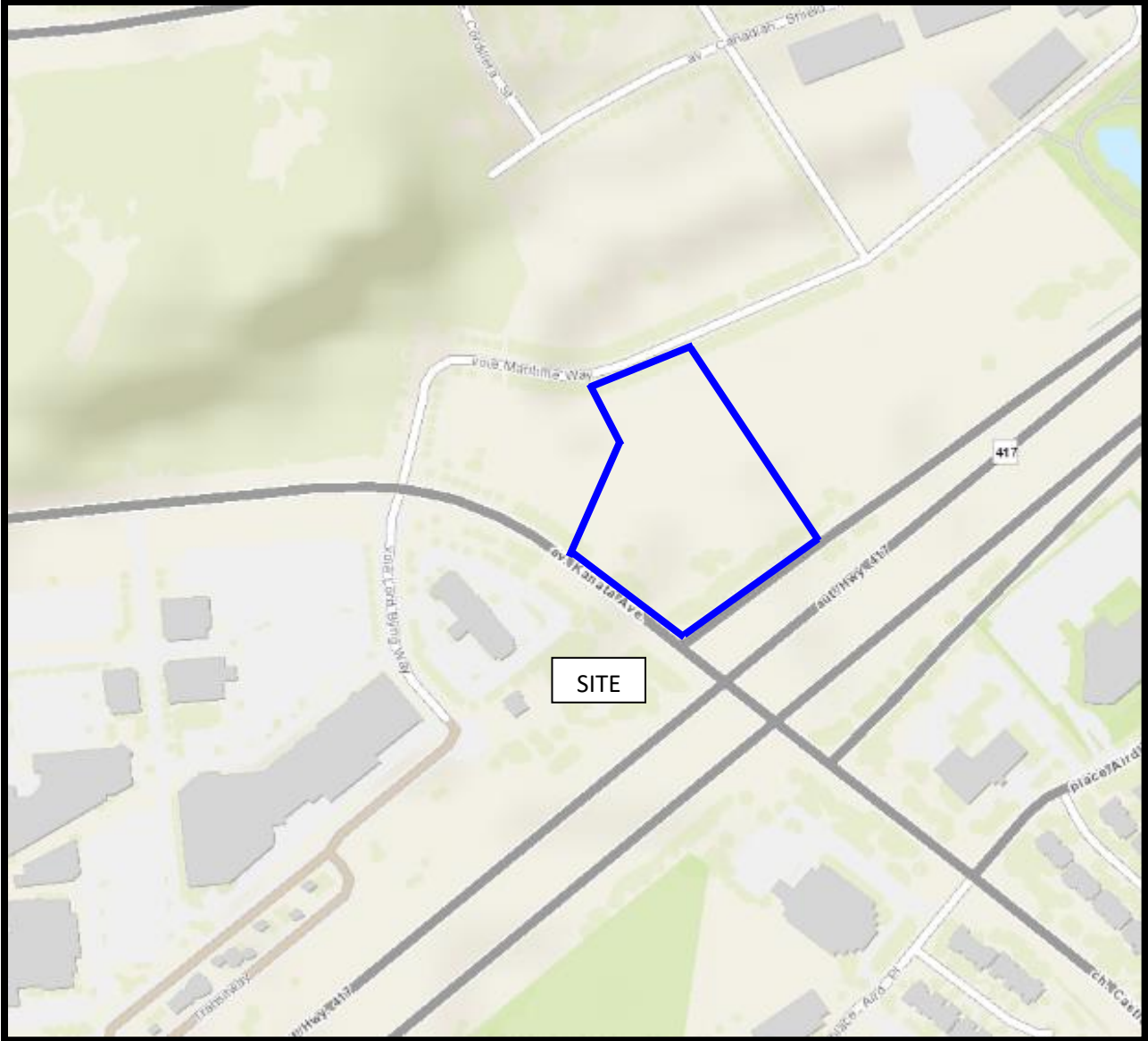


FIGURE 1
KEY PLAN

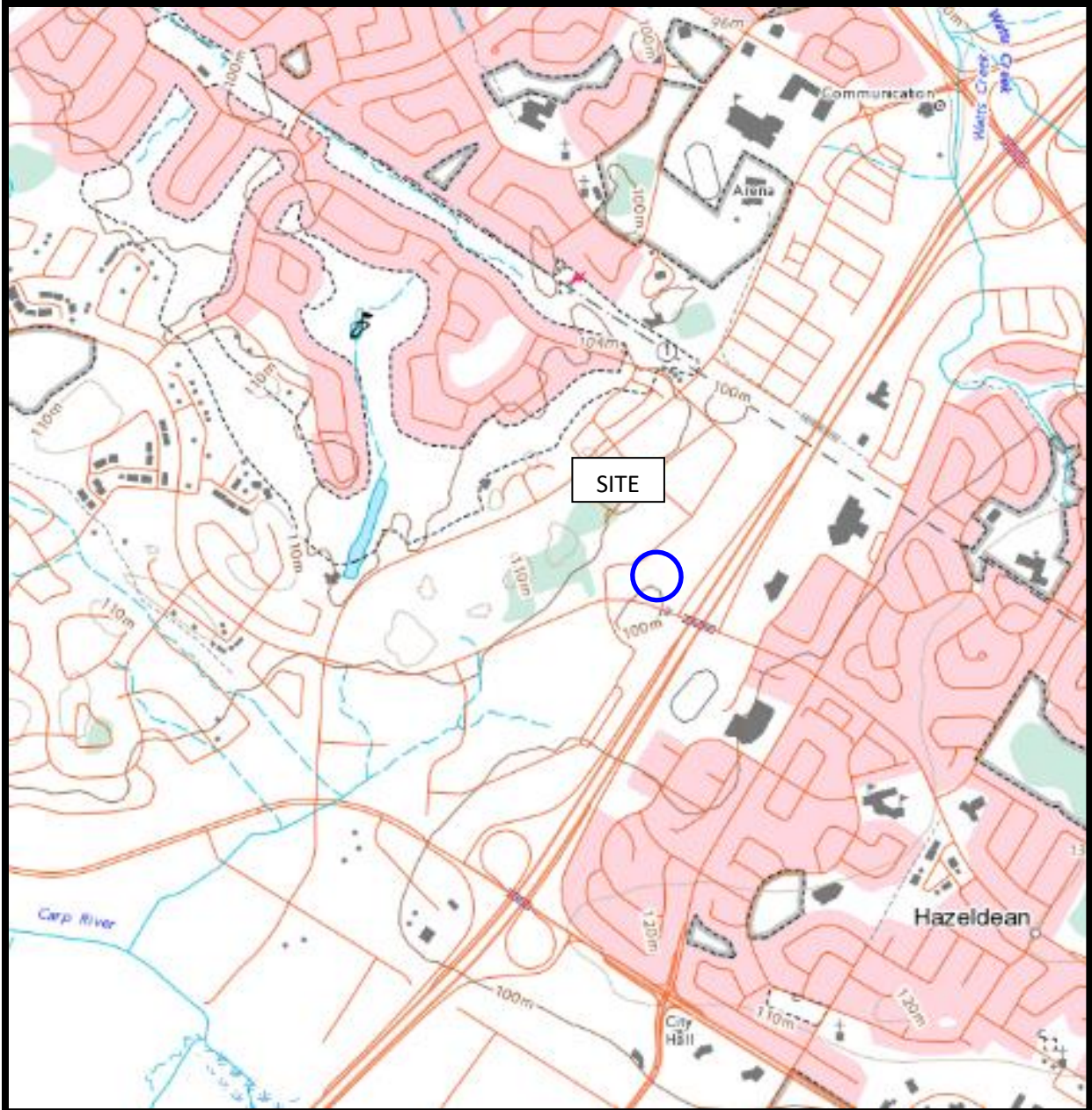
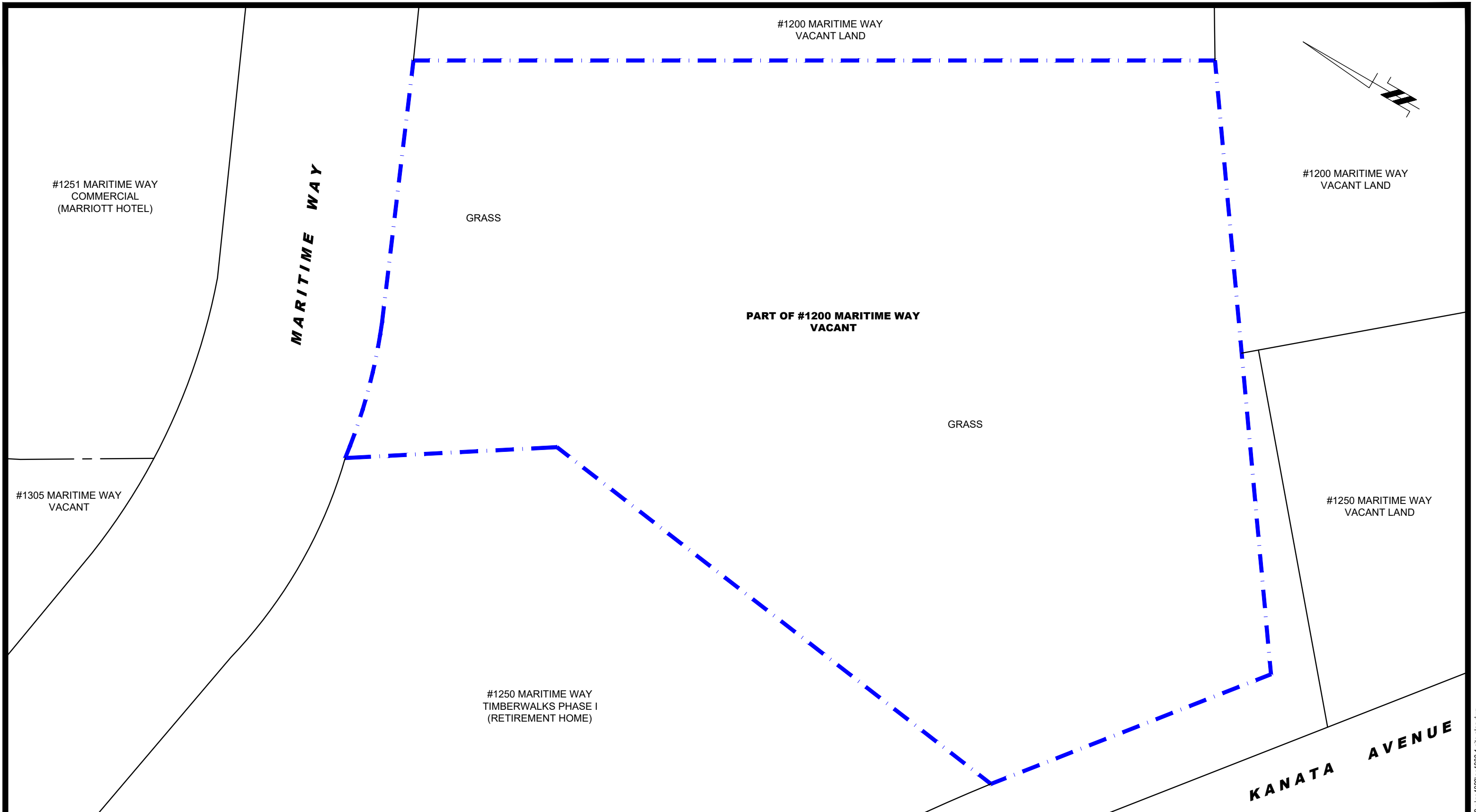


FIGURE 2
TOPOGRAPHIC MAP



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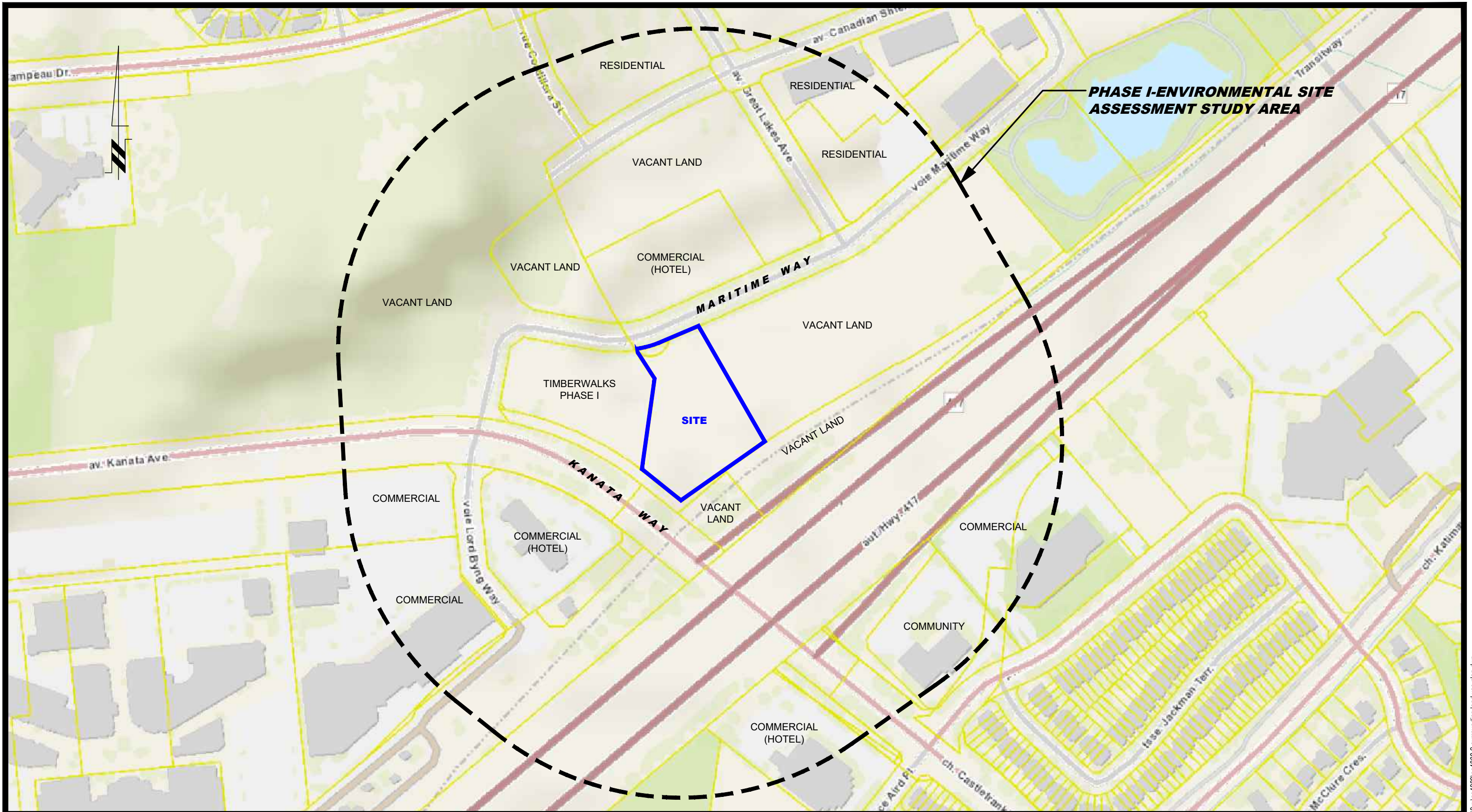
NO.	REVISIONS	DATE	INITIAL

CLARIDGE HOMES (TIMBERWALK LP)
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
PART OF 1200 MARITIME WAY

OTTAWA, ONTARIO

Title: **SITE PLAN**

Scale:	1:500	Date:	03/2020
Drawn by:	NFRV	Report No.:	PE4888-1
Checked by:	MW	Dwg. No.:	PE4888-1
Approved by:	MSD	Revision No.:	



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Tel: (613) 226-7381 Fax: (613) 226-6344

NO.	REVISIONS	DATE	INITIAL

CLARIDGE HOMES (TIMBERWALK LP)
PHASE I - ENVIRONMENTAL SITE ASSESSMENT
PART OF 1200 MARITIME WAY

OTTAWA, ONTARIO

Title: **SURROUNDING LAND USE PLAN**

Scale:	1:3000	Date:	03/2020
Drawn by:	NFRV	Report No.:	PE4888-1
Checked by:	MW	Dwg. No.:	PE4888-2
Approved by:	MSD	Revision No.:	

APPENDIX 1

AERIAL PHOTOGRAPHS

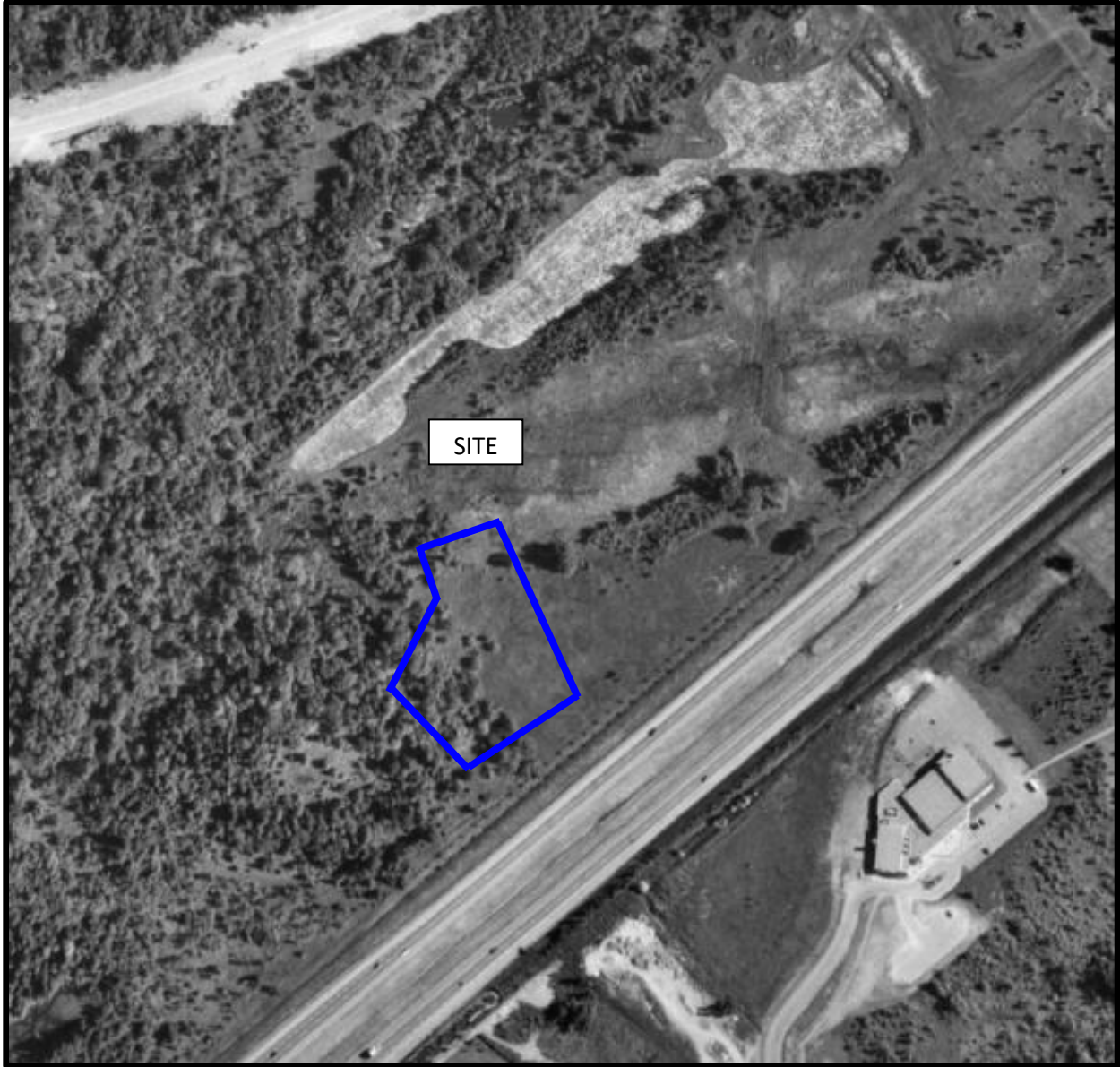
SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1963



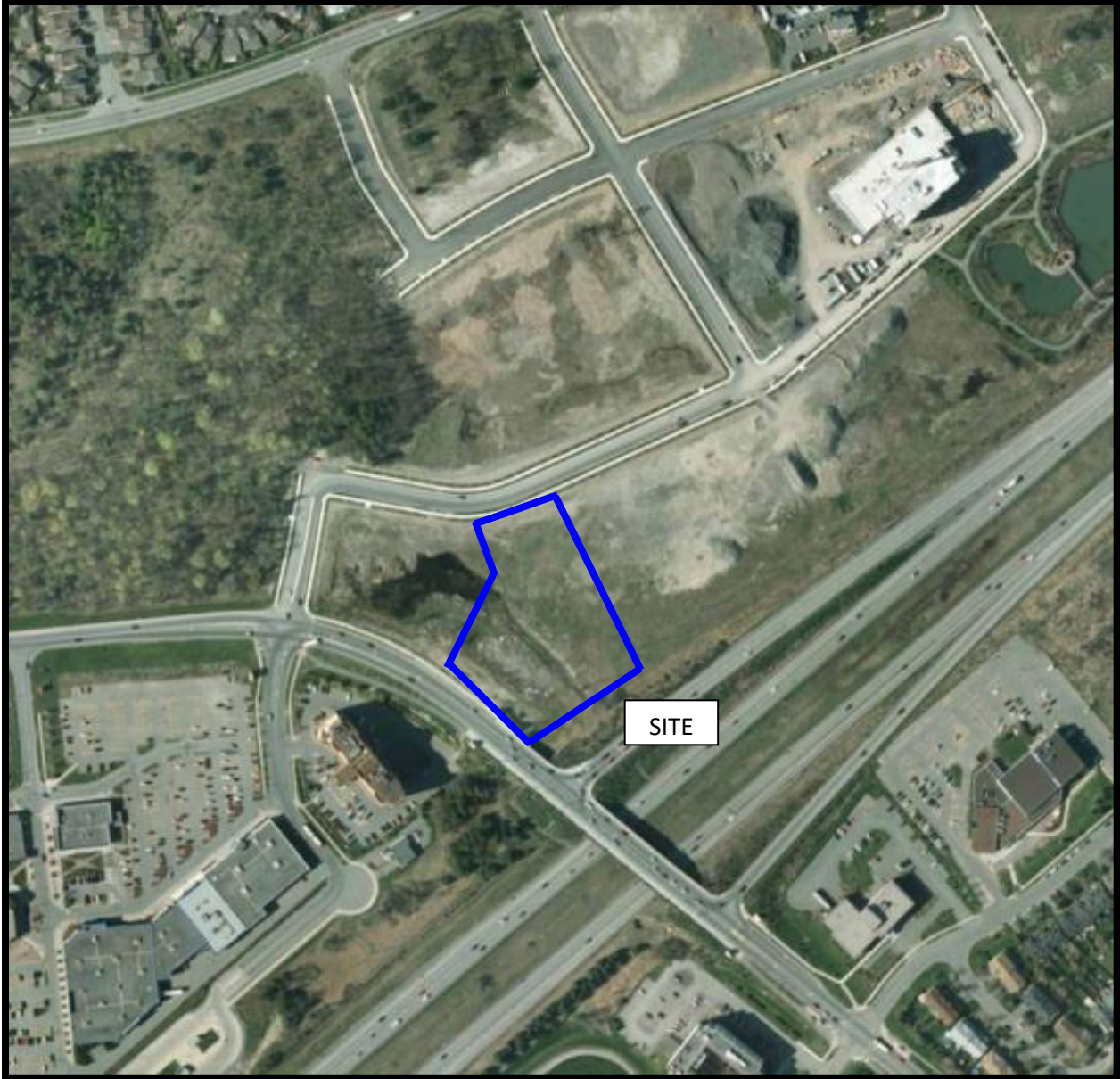
AERIAL PHOTOGRAPH
1976



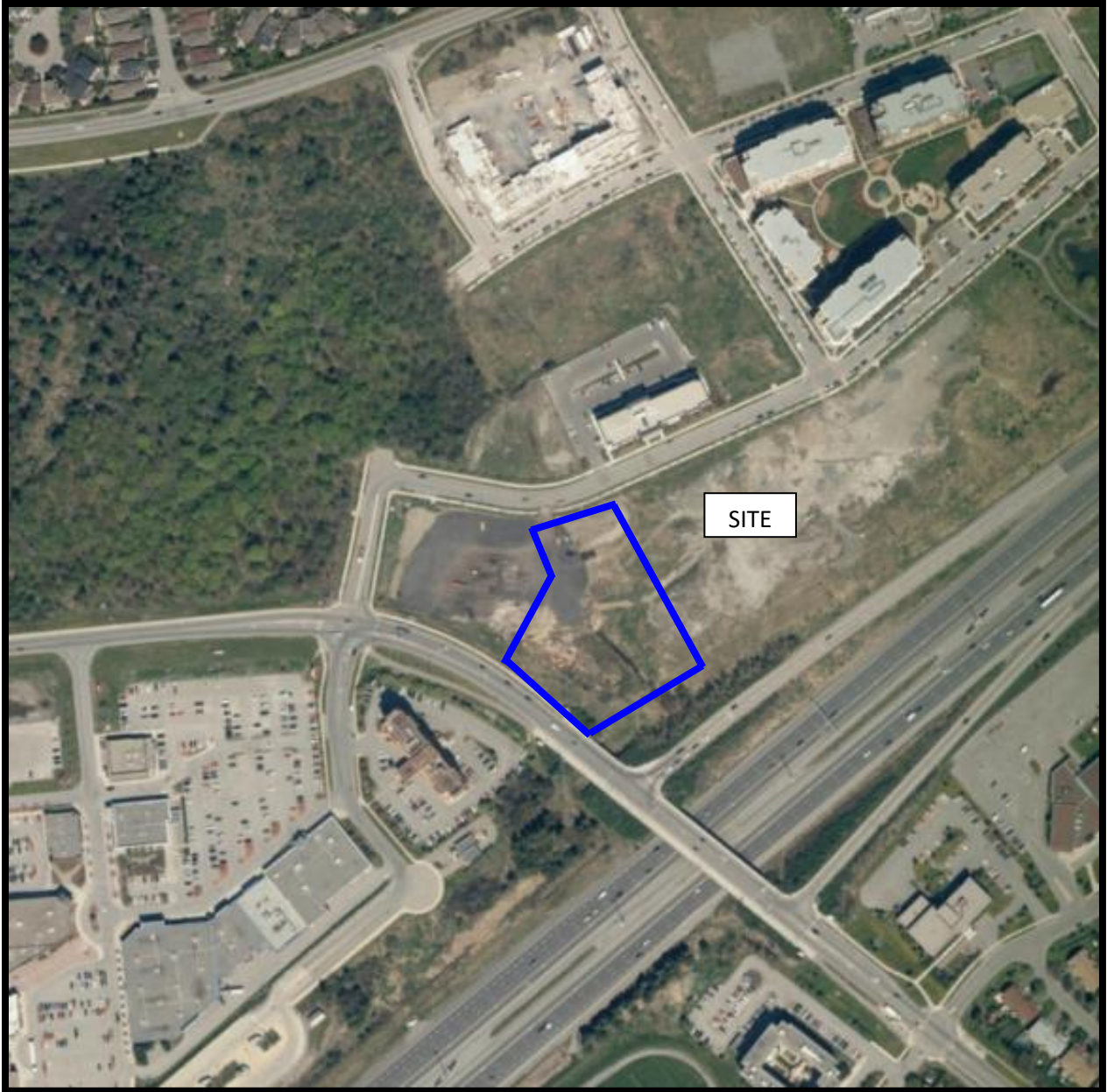
AERIAL PHOTOGRAPH
1991



AERIAL PHOTOGRAPH
2002



AERIAL PHOTOGRAPH
2011



AERIAL PHOTOGRAPH
2017

Site Photographs

PE4888

Part of 1200 Maritime Way – Ottawa, ON

February 27, 2020



Photograph 1: View of the eastern half of the Phase I Property, taken from Maritime Way, looking south.



Photograph 2: West view of the Phase I Property, taken from the Maritime Way.

Site Photographs

PE4888

Part of 1200 Maritime Way – Ottawa, ON

February 27, 2020



Photograph 3: View of the central portion of the Phase I Property, taken from western property boundary, looking east.

APPENDIX 2

MECP WELL RECORDS

CITY OF OTTAWA HLUI SEARCH

ERIS REPORT

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name: [Blank] Last Name/Organization: **1047 CANADIAN SHIELD INC** E-mail Address: [Blank] Well Constructed by Well Owner

Mailing Address (Street Number/Name): **320 MARCH ROAD SUITE 201** Municipality: **KANATA** Province: **ON** Postal Code: **K2K 2E3** Telephone No. (inc. area code): [Blank]

Well Location

Address of Well Location (Street Number/Name): **1047 CANADIAN SHIELD, BUDC** Township: **MARCH (KANATA)** Lot: **2** Concession: **3**

County/District/Municipality: **OTTAWA PARISH** City/Town/Village: **KANATA** Province: **Ontario** Postal Code: [Blank]

UTM Coordinates: Zone: **18Q** Easting: **429304** Northing: **6018377** Municipal Plan and Sublot Number: [Blank] Other: [Blank]

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
ORANGE	GRAVEL	FILL		0.00 3.66
GREY	TILL/CLAY	SAND, CLAY, Boulders.		3.66 16.09
RED	GRAVITE		BROKEN/SEAM @ 26.0/28.9/42.7m (85', 95', 140').	16.09 45.75 (150')
BLACK				

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m ³ /ft ³)
From To		
+10.46 17.30	Bentonite grade sealant	0.42

Results of Well Yield Testing			
Time (min)	Water Level (m/ft)	Recovery	
		Time (min)	Water Level (m/ft)
After test of well yield, water was: <input checked="" type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify			
If pumping discontinued, give reason: N/A.			
Pump intake set at (m/ft): 30.5m (100')			
Pumping rate (l/min / GPM): 85 lpm (18.7 gpm)			
Duration of pumping: 1 hrs + 0 min			
Final water level end of pumping (m/ft): 8.70m (28.5')			
If flowing give rate (l/min / GPM): N/A.			
Recommended pump depth (m/ft): 24.4m (80')			
Recommended pump rate (l/min / GPM): 10.23 lpm (30 gpm)			
Well production (l/min / GPM): " "			
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Static Level	6.78		6.70
1	7.32	1	8.19
2	7.54	2	7.99
3	7.79	3	7.84
4	7.83	4	7.76
5	7.90	5	7.68
10	8.17	10	7.47
15	8.27	15	7.35
20	8.36	20	7.28
25	8.46	25	7.22
30	8.49	30	7.17
40	8.55	40	7.11
50	8.65	50	7.07
60	8.70	60	7.04

Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input checked="" type="checkbox"/> Cooling & Air Conditioning
<input checked="" type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial	
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify	

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
15.88	Steel/SS	0.49	+10.46	17.30	

Construction Record - Screen				
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
			N/A.	

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
		From To	
3.66	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	0.00 17.30	15.88
16.09	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	17.30 45.75	15.55

Well Contractor and Well Technician Information

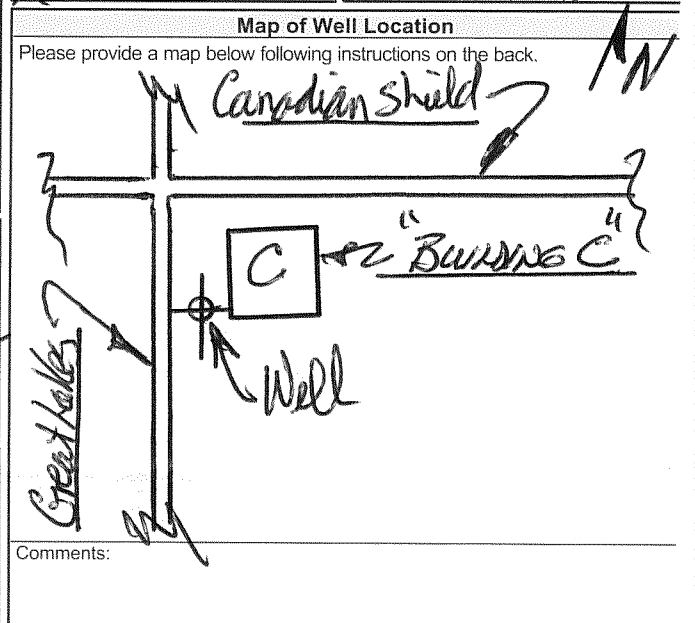
Business Name of Well Contractor: **STANTON DRILLING INC** Well Contractor's Licence No.: **4875**

Business Address (Street Number/Name): **BOX 219, 157 FINE ARCHES DR** Municipality: **PARISHAM**

Province: **ON** Postal Code: **K0A2X0** Business E-mail Address: **stantondrilling@bell.net**

Pub. Telephone No. (inc. area code): **(613) 643-2622** Name of Well Technician (Last Name, First Name): **STANTON, PETER**

Well Technician's Licence No.: **0086** Signature of Technician and/or Contractor: [Signature] Date Submitted: **20140630**



Well owner's information package delivered: Yes No

Date Package Delivered: **20140623**

Date Work Completed: **20140629**

Ministry Use Only

Audit No.: **Z 190172**

Received: **1111 14 2014**

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

February 27, 2020
File: PE4888-HLUI

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

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


www.patersongroup.ca

Subject: **Authorization Letter, HLUI Search
Phase I-Environmental Site Assessment
Western Portion of 1200 Maritime Way, Ottawa ON**

Dear Sir,

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

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

Name of Company/Property Owner:	Claridge Homes _____
Name of Representative	Vincent Denomme _____
Signature of Representative	 _____
Date	2020-02-27 _____



DATABASE REPORT

Project Property: *Phase I ESA
Maritime Way
Kanata ON K2K*

Project No: *PE4888*

Report Type: *Standard Report*

Order No: *20200220239*

Requested by: *Paterson Group Inc.*

Date Completed: *February 25, 2020*

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Executive Summary

Property Information:

Project Property: *Phase I ESA
Maritime Way Kanata ON K2K*

Project No: *PE4888*

Coordinates:

Latitude: *45.3132805*
Longitude: *-75.9016369*
UTM Northing: *5,018,148.22*
UTM Easting: *429,325.57*
UTM Zone: *18T*

Elevation: *318 FT
96.88 M*

Order Information:

Order No: *20200220239*
Date Requested: *February 20, 2020*
Requested by: *Paterson Group Inc.*
Report Type: *Standard Report*

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	3	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 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
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	4	4
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	6	6
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	10	10
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	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FED TANKS	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	2	2
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	1	1
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	1	1
SPL	Ontario Spills	Y	0	2	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	1	1
Total:			0	31	31

Executive Summary: Site Report Summary - Project Property

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	EHS		1203 Maritime Way Ottawa ON K2K0H5	NNE/131.7	2.03	18
2	EHS		1251 Maritime Way Ottawa ON K2K0J6	W/134.0	0.00	18
3	EHS		1250 Maritme Way Ottawa ON	WSW/186.6	1.82	18
4	WWIS		lot 2 con 3 KANATA ON Well ID: 7223735	N/190.0	2.00	18
5	EHS		1100 Canadian Shield Ave Kanata ON	NW/217.2	3.07	26
6	PINC		1175 Maritime Way, Ottawa ON	NE/223.7	1.37	26
7	ECA	City of Ottawa	70 Aird Pl Kanata Leisure Centre Ottawa ON K1P 1J1	SE/224.3	0.31	26
8	SPL		1175 Maritine Way in Kanata Ottawa ON	NE/226.1	2.03	26
8	EHS		1175 Maritime Way Ottawa ON K2K0G4	NE/226.1	2.03	27
9	EHS		Canadian Shield Ave & Maritime Way Ottawa ON	NE/227.3	2.01	27
10	SPL	Darren Mosley<UNOFFICIAL>	Castlefrank and Highway 417 Ottawa ON	SSW/238.0	2.00	27
11	EHS		NE of Kanata Ave & Maritime Way Ottawa (Kanata) ON	WSW/240.9	2.76	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
12	CA	Royal Canadian Legion	86 Aird Place, Kanata Ottawa ON	SSE/249.4	1.00	28
12	SCT	Legion Magazine	86 Aird Pl Kanata ON K2L 0A1	SSE/249.4	1.00	28
12	ECA	Royal Canadian Legion	86 Aird Place, Kanata Ottawa ON K2P 0R7	SSE/249.4	1.00	29
13	ECA	Bayview Kanata Holdings Ltd.	1100 Canadian Shield Ave Ottawa ON M5G 1R3	NW/249.5	3.87	29
13	ECA	Bayview Kanata Holdings Ltd., as general partner for and on behalf of Bayview	Kanata Holdings Limited Partnership, the partnership under the laws of Ontario, and includes its successors and assignees 1100 Canadian Shield Ave, Ottawa ON M5G 1R3	NW/249.5	3.87	29
14	EHS		10 Lord Byng Way Kanata ON	SW/249.6	3.00	29
14	EHS		101 Kanata Avenue Kanata ON K2T 1E6	SW/249.6	3.00	30
14	GEN	invest hotels gp viii	101 Kanata Ave. Ottawa ON	SW/249.6	3.00	30
14	CA	Kanata CHL Inc.	101 Kanata Avenue Ottawa ON	SW/249.6	3.00	30
14	CA	Kanata CHL Inc.	10 Lord Byng Way Ottawa ON	SW/249.6	3.00	30
14	NPRI	INNVEST HOTELS GP VIII LTD.	101 Kanata Avenue Ottawa ON K2T1E6	SW/249.6	3.00	31
14	EASR	INNVEST MASTER PROPERTIES VIII LP	101 KANATA KANATA ON	SW/249.6	3.00	32

<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>
14	EASR	INNVEST MASTER PROPERTIES VIII LP	101 KANATA KANATA ON	SW/249.6	3.00	32
14	EASR	INNVEST MASTER PROPERTIES VIII LP	101 KANATA AVE KANATA ON K2T 1E6	SW/249.6	3.00	32
14	EASR	INNVEST MASTER PROPERTIES VIII LP	101 KANATA AVE KANATA ON K2T 1E6	SW/249.6	3.00	33
14	ECA	Kanata CHL Inc.	10 Lord Byng Way Ottawa ON L4W 4T9	SW/249.6	3.00	33
14	ECA	Kanata CHL Inc.	101 Kanata Avenue Ottawa ON L4W 4T9	SW/249.6	3.00	33
14	GEN	Innvest Hotels LP, c/o Westmont Hospitality Group	101 Kanata Ave Kanata ON K2J 0S6	SW/249.6	3.00	33
14	EHS		101 Kanata Avenue Kanata ON K2T 1E6	SW/249.6	3.00	34

Executive Summary: Summary By Data Source

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 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Royal Canadian Legion	86 Aird Place, Kanata Ottawa ON	SSE	249.44	12
Kanata CHL Inc.	10 Lord Byng Way Ottawa ON	SW	249.61	14
Kanata CHL Inc.	101 Kanata Avenue Ottawa ON	SW	249.61	14

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Jan 31, 2020 has found that there are 4 EASR site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
INNVEST MASTER PROPERTIES VIII LP	101 KANATA AVE KANATA ON K2T 1E6	SW	249.61	14
INNVEST MASTER PROPERTIES VIII LP	101 KANATA AVE KANATA ON K2T 1E6	SW	249.61	14
INNVEST MASTER PROPERTIES VIII LP	101 KANATA KANATA ON	SW	249.61	14
INNVEST MASTER PROPERTIES VIII LP	101 KANATA KANATA ON	SW	249.61	14

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jan 31, 2020 has found that there are 6 ECA site(s) within approximately 0.25

kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
City of Ottawa	70 Aird Pl Kanata Leisure Centre Ottawa ON K1P 1J1	SE	224.28	<u>7</u>
Royal Canadian Legion	86 Aird Place, Kanata Ottawa ON K2P 0R7	SSE	249.44	<u>12</u>
Bayview Kanata Holdings Ltd.	1100 Canadian Shield Ave Ottawa ON M5G 1R3	NW	249.51	<u>13</u>
Bayview Kanata Holdings Ltd., as general partner for and on behalf of Bayview	Kanata Holdings Limited Partnership, the partnership under the laws of Ontario, and includes its successors and assignees 1100 Canadian Shield Ave, Ottawa ON M5G 1R3	NW	249.51	<u>13</u>
Kanata CHL Inc.	101 Kanata Avenue Ottawa ON L4W 4T9	SW	249.61	<u>14</u>
Kanata CHL Inc.	10 Lord Byng Way Ottawa ON L4W 4T9	SW	249.61	<u>14</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jan 31, 2020 has found that there are 10 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1203 Maritime Way Ottawa ON K2K0H5	NNE	131.69	<u>1</u>
	1251 Maritime Way Ottawa ON K2K0J6	W	133.99	<u>2</u>
	1250 Maritme Way Ottawa ON	WSW	186.55	<u>3</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1100 Canadian Shield Ave Kanata ON	NW	217.23	<u>5</u>
	1175 Maritime Way Ottawa ON K2K0G4	NE	226.08	<u>8</u>
	Canadian Shield Ave & Maritime Way Ottawa ON	NE	227.32	<u>9</u>
	NE of Kanata Ave & Maritime Way Ottawa (Kanata) ON	WSW	240.89	<u>11</u>
	101 Kanata Avenue Kanata ON K2T 1E6	SW	249.61	<u>14</u>
	101 Kanata Avenue Kanata ON K2T 1E6	SW	249.61	<u>14</u>
	10 Lord Byng Way Kanata ON	SW	249.61	<u>14</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2019 has found that there are 2 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
invest hotels gp viii	101 Kanata Ave. Ottawa ON	SW	249.61	<u>14</u>
Innvest Hotels LP, c/o Westmont Hospitality Group	101 Kanata Ave Kanata ON K2J 0S6	SW	249.61	<u>14</u>

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 1 NPRI site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
INNVEST HOTELS GP VIII LTD.	101 Kanata Avenue Ottawa ON K2T1E6	SW	249.61	14

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1175 Martime Way, Ottawa ON	NE	223.68	6

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 1 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Legion Magazine	86 Aird Pl Kanata ON K2L 0A1	SSE	249.44	12

SPL - Ontario Spills

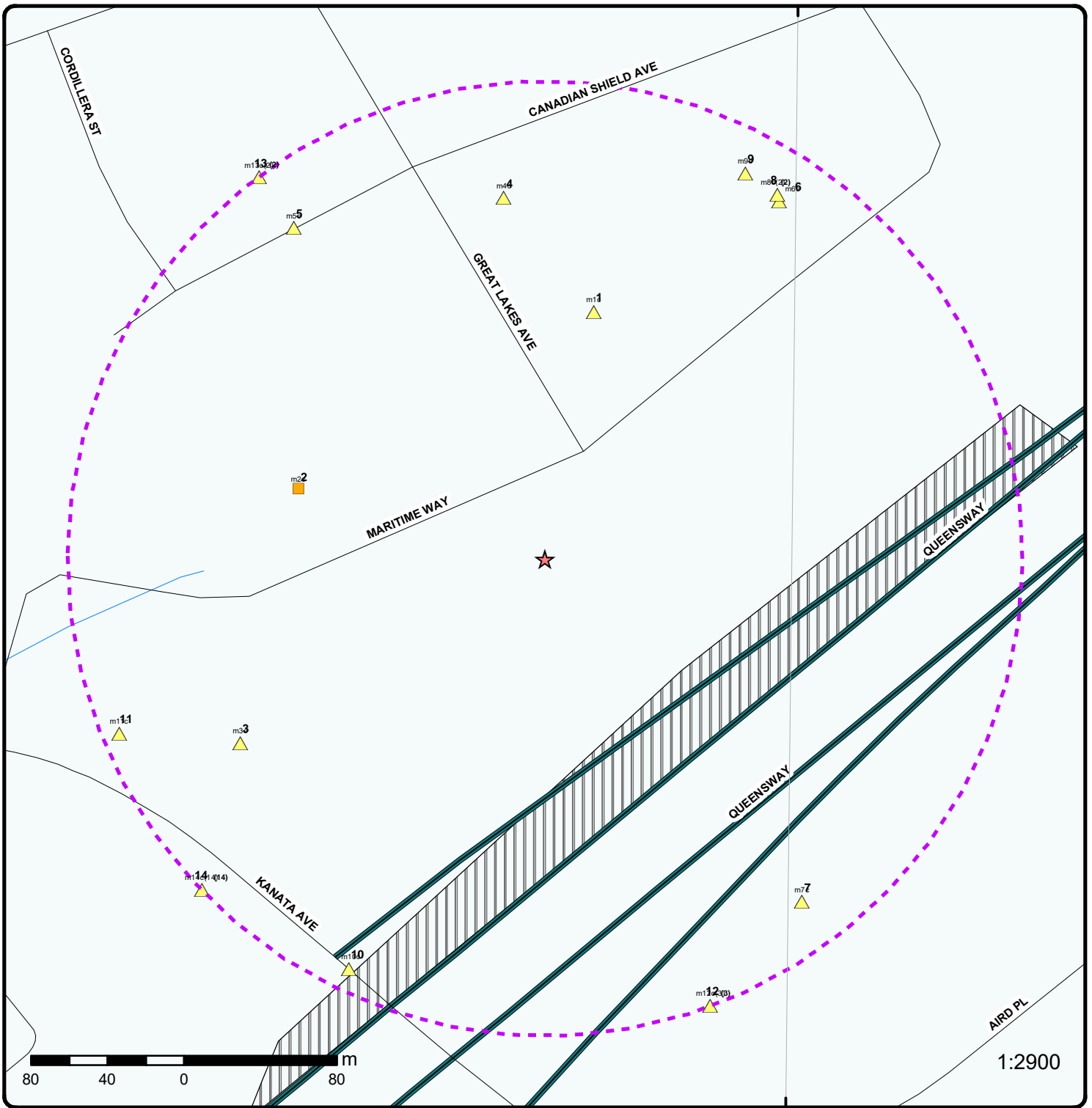
A search of the SPL database, dated 1988-Jun 2019 has found that there are 2 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1175 Maritime Way in Kanata Ottawa ON	NE	226.08	8
Darren Mosley<UNOFFICIAL>	Castlefrank and Highway 417 Ottawa ON	SSW	238.05	10

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 1 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 2 con 3 KANATA ON <i>Well ID: 7223735</i>	N	190.00	4



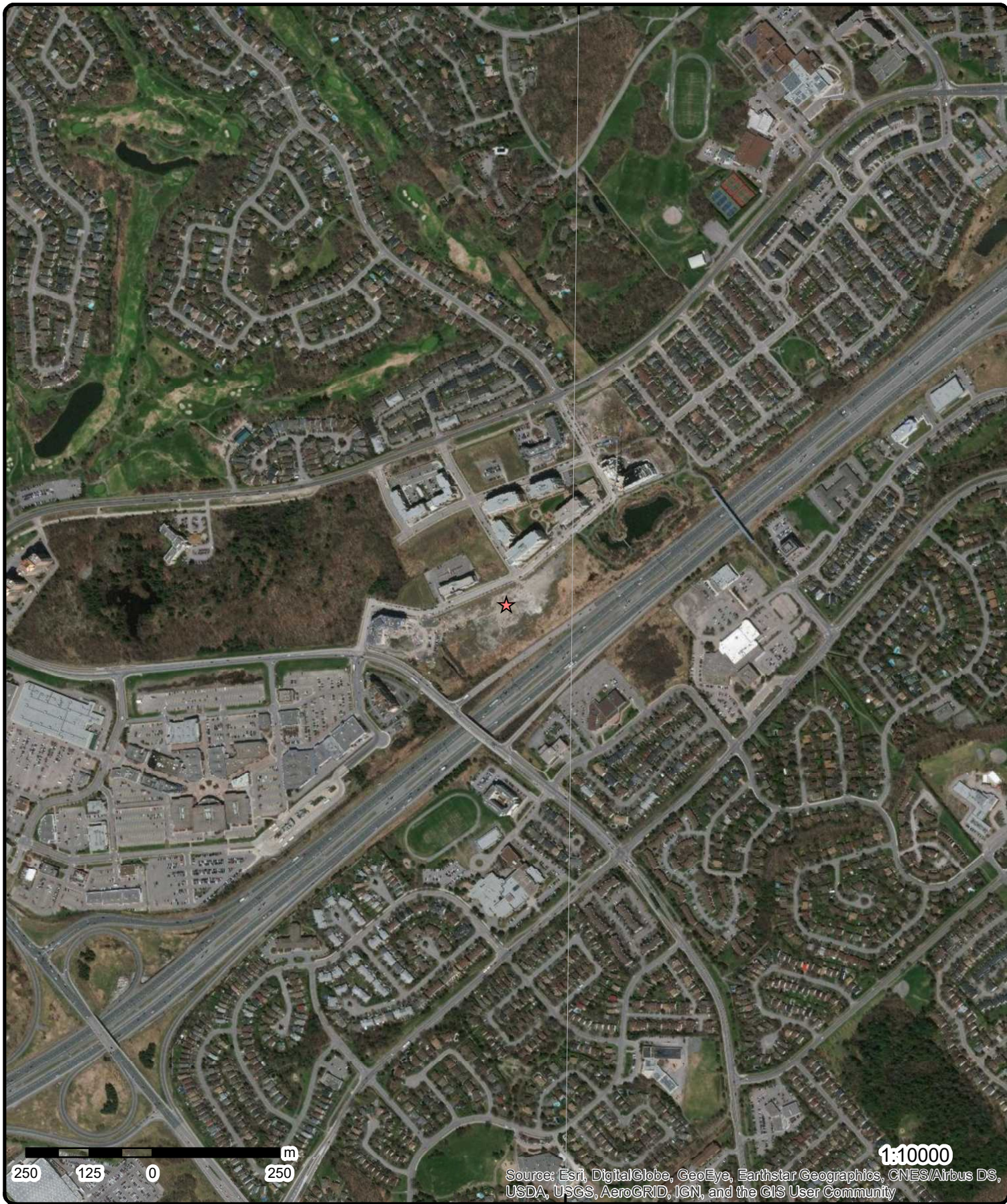
Map : 0.25 Kilometer Radius

Order Number: 20200220239

Address: Maritime Way, Kanata, 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		



Aerial Year: 2019

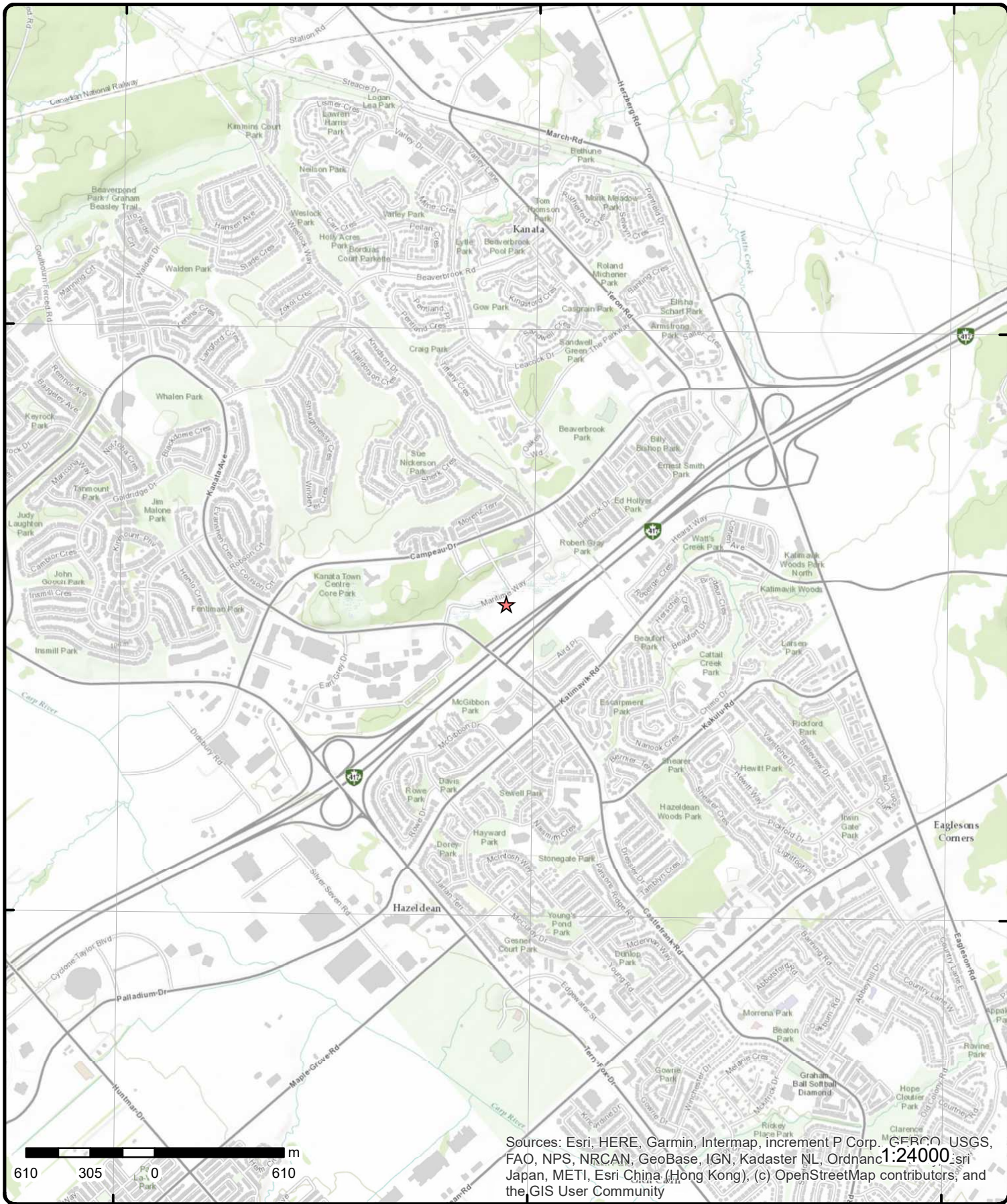
Address: Maritime Way, Kanata, ON

Source: ESRI World Imagery

Order Number: 20200220239



© ERIS Information Limited Partnership



Topographic Map

Address: Maritime Way, ON

Source: ESRI World Topographic Map

Order Number: 20200220239



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	NNE/131.7	98.9 / 2.03	1203 Maritime Way Ottawa ON K2K0H5	EHS
Order No: 20160926037 Status: C Report Type: Standard Report Report Date: 29-SEP-16 Date Received: 26-SEP-16 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.901331 Y: 45.314446			
<u>2</u>	1 of 1	W/134.0	96.9 / 0.00	1251 Maritime Way Ottawa ON K2K0J6	EHS
Order No: 20151110013 Status: C Report Type: Custom Report Report Date: 13-NOV-15 Date Received: 10-NOV-15 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -75.903287 Y: 45.313595			
<u>3</u>	1 of 1	WSW/186.6	98.7 / 1.82	1250 Maritme Way Ottawa ON	EHS
Order No: 20160826133 Status: C Report Type: Custom Report Report Date: 29-AUG-16 Date Received: 26-AUG-16 Previous Site Name: probably none Lot/Building Size: Additional Info Ordered: City Directory		Nearest Intersection: Municipality: Kanata, Ontario Client Prov/State: ON Search Radius (km): .25 X: -75.903658 Y: 45.312394			
<u>4</u>	1 of 1	N/190.0	98.9 / 2.00	lot 2 con 3 KANATA ON	WWIS
Well ID: 7223735 Construction Date: Primary Water Use: Test Hole Sec. Water Use: Cooling And A/C Final Well Status: Test Hole Water Type: Casing Material: Audit No: Z190172 Tag: A142289 Construction Method: Elevation (m): Elevation Reliability:		Data Entry Status: Data Src: Date Received: 7/14/2014 Selected Flag: Yes Abandonment Rec: Contractor: 4875 Form Version: 7 Owner: Street Name: 1047 CANADIAN SHIELD BLDGE County: OTTAWA-CARLETON Municipality: MARCH TOWNSHIP Site Info:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth to Bedrock:				Lot:	002
Well Depth:				Concession:	03
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1004923745			Elevation:	98.409187
DP2BR:				Elevrc:	
Spatial Status:				Zone:	18
Code OB:				East83:	429304
Code OB Desc:				North83:	5018337
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	6/23/2014			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 Materials Interval</u>					
Formation ID:	1005221740				
Layer:	2				
Color:	2				
General Color:	GREY				
Mat1:	34				
Most Common Material:	TILL				
Mat2:	28				
Other Materials:	SAND				
Mat3:					
Other Materials:					
Formation Top Depth:	3.66				
Formation End Depth:	16.09				
Formation End Depth UOM:	m				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	1005221739				
Layer:	1				
Color:	2				
General Color:	GREY				
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:	01				
Other Materials:	FILL				
Mat3:					
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	3.66				
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:		1005221742			
Layer:		4			
Color:		8			
General Color:		BLACK			
Mat1:					
Most Common Material:					
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		45.75			
Formation End Depth:					
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005221741			
Layer:		3			
Color:		7			
General Color:		RED			
Mat1:		21			
Most Common Material:		GRANITE			
Mat2:					
Other Materials:					
Mat3:		71			
Other Materials:		FRACTURED			
Formation Top Depth:		16.09			
Formation End Depth:		45.75			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005221779			
Layer:		1			
Plug From:		0.46			
Plug To:		17.3			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005221780			
Layer:		2			
Plug From:					
Plug To:					
Plug Depth UOM:		m			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:					
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005221737			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005221748			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0.46			
Depth To:		17.3			
Casing Diameter:		15.88			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1005221749			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1005221738			
Pump Set At:		30.5			
Static Level:		6.78			
Final Level After Pumping:		8.7			
Recommended Pump Depth:		24.4			
Pumping Rate:		85			
Flowing Rate:					
Recommended Pump Rate:		230			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		0			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221769			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		7.17			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221753			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		7.99			
Test Level UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221764			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		8.36			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221765			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		7.28			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221773			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		7.07			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221750			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		7.32			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221755			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		7.84			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221756			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		7.83			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221757			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		7.76			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1005221763			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		7.35			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221752			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		7.54			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221751			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		8.19			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221767			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		7.22			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221772			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		8.65			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221758			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		7.9			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221762			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		8.24			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221766			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		8.46			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221770			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		8.55			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221774			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		8.7			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221759			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		7.68			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221768			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		8.49			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221771			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		7.11			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221754			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		7.79			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221760			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		8.17			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1005221761			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		7.47			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005221775			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		7.04			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1005221745			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		26.8			
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		1005221746			
Layer:		2			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		28.9			
Water Found Depth UOM:		m			
<u>Water Details</u>					
Water ID:		1005221747			
Layer:		3			
Kind Code:					
Kind:					
Water Found Depth:		42.7			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1005221743			
Diameter:		22.86			
Depth From:		0			
Depth To:		17.3			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		1005221744			
Diameter:		15.55			
Depth From:		17.3			
Depth To:		45.75			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>5</u>	1 of 1	NW/217.2	99.9 / 3.07	1100 Canadian Shield Ave Kanata ON	EHS
Order No:	20150410027			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	16-APR-15			Search Radius (km):	.25
Date Received:	10-APR-15			X:	-75.903338
Previous Site Name:				Y:	45.314824
Lot/Building Size:					
Additional Info Ordered:					
<u>6</u>	1 of 1	NE/223.7	98.2 / 1.37	1175 Martime Way, Ottawa ON	PINC
Incident ID:	2797648			Health Impact:	No
Incident No:	640940			Environment Impact:	No
Type:	FS-Pipeline Incident			Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est			Service Interrupt:	Yes
Fuel Occurrence Tp:	Pipeline Strike			Enforce Policy:	Yes
Fuel Type:	Natural Gas			Public Relation:	No
Tank Status:	RC Established			Pipeline System:	
Task No:	3436543			Depth:	27
Spills Action Centre:				Pipe Material:	Plastic
Method Details:	E-mail			PSIG:	50
Fuel Category:	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:	7/19/2011 0:00			Regulator Location:	Outside
Occurrence Start Date:	2011/12/08				
Operation Type:	Construction Site (pipeline strike)				
Pipeline Type:	Service / Riser Distribution Pipeline				
Regulator Type:	Service Regulator (up to 60 psi intake)				
Summary:	1175 Martime Way, Ottawa - 1 ¼" Pipeline Hit				
Reported By:	Armstrong, Alan - Enbridge				
Affiliation:	Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)				
Occurrence Desc:	Linestrike - No Locates				
Damage Reason:	No notification made to the one call center				
Notes:	Linestrike - No Locates				
<u>7</u>	1 of 1	SE/224.3	97.2 / 0.31	City of Ottawa 70 Aird PI Kanata Leisure Centre Ottawa ON K1P 1J1	ECA
Approval No:	8094-8F2JH2			MOE District:	Ottawa
Approval Date:	2011-03-31			City:	
Status:	Approved			Longitude:	-75.899345
Record Type:	ECA			Latitude:	45.311519999999994
Link Source:	IDS			Geometry X:	
SWP Area Name:	Mississippi Valley			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Address:	70 Aird PI Kanata Leisure Centre				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/1086-8A6UDW-14.pdf				
<u>8</u>	1 of 2	NE/226.1	98.9 / 2.03	1175 Maritine Way in Kanata Ottawa ON	SPL
Ref No:	1717-8WSTU8			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	02-AUG-12			Health/Env Conseq:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p>Year:</p> <p>Incident Cause: Intent - Intentional or planned occurrence</p> <p>Incident Event:</p> <p>Contaminant Code: 46</p> <p>Contaminant Name: USED MOTOR OIL</p> <p>Contaminant Limit 1:</p> <p>Contam Limit Freq 1:</p> <p>Contaminant UN No 1:</p> <p>Environment Impact: Not Anticipated</p> <p>Nature of Impact: Soil Contamination</p> <p>Receiving Medium:</p> <p>Receiving Env:</p> <p>MOE Response: No Further Response (PR-PIR Table A)</p> <p>Dt MOE Arvl on Scn:</p> <p>MOE Reported Dt: 02-AUG-12</p> <p>Dt Document Closed:</p> <p>Incident Reason: Vandalism - Illegal/deliberate (incl. sabotage)</p> <p>Site Name: 1175 Maritime Way Apartment Building <UNOFFICIAL></p> <p>Site County/District:</p> <p>Site Geo Ref Meth:</p> <p>Incident Summary: Motorist- 5 L used oil dumped down drain at apt. building.</p> <p>Contaminant Qty: 5 L</p>					
<p>Client Type:</p> <p>Sector Type: Motor Vehicle</p> <p>Agency Involved:</p> <p>Nearest Watercourse:</p> <p>Site Address: 1175 Maritime Way in Kanata</p> <p>Site District Office:</p> <p>Site Postal Code:</p> <p>Site Region:</p> <p>Site Municipality: Ottawa</p> <p>Site Lot:</p> <p>Site Conc:</p> <p>Northing:</p> <p>Easting:</p> <p>Site Geo Ref Accu:</p> <p>Site Map Datum:</p> <p>SAC Action Class: Land Spills</p> <p>Source Type:</p>					
8	2 of 2	NE/226.1	98.9 / 2.03	1175 Maritime Way Ottawa ON K2K0G4	EHS
<p>Order No: 20170421085</p> <p>Status: C</p> <p>Report Type: Standard Report</p> <p>Report Date: 26-APR-17</p> <p>Date Received: 21-APR-17</p> <p>Previous Site Name:</p> <p>Lot/Building Size:</p> <p>Additional Info Ordered: Fire Insur. Maps and/or Site Plans</p> <p>Nearest Intersection:</p> <p>Municipality:</p> <p>Client Prov/State: ON</p> <p>Search Radius (km): .25</p> <p>X: -75.9001</p> <p>Y: 45.314977</p>					
9	1 of 1	NE/227.3	98.9 / 2.01	Canadian Shield Ave & Maritime Way Ottawa ON	EHS
<p>Order No: 20120512001</p> <p>Status: C</p> <p>Report Type: Standard Report</p> <p>Report Date: 5/23/2012</p> <p>Date Received: 5/12/2012 4:40:35 PM</p> <p>Previous Site Name:</p> <p>Lot/Building Size: 36,192sm</p> <p>Additional Info Ordered:</p> <p>Nearest Intersection:</p> <p>Municipality: Ottawa</p> <p>Client Prov/State: ON</p> <p>Search Radius (km): 0.25</p> <p>X: -75.90033</p> <p>Y: 45.315107</p>					
10	1 of 1	SSW/238.0	98.9 / 2.00	Darren Mosley<UNOFFICIAL> Castlefrank and Highway 417 Ottawa ON	SPL
<p>Ref No: 0707-7HAAKZ</p> <p>Site No:</p> <p>Incident Dt:</p> <p>Year:</p> <p>Incident Cause:</p> <p>Incident Event:</p> <p>Contaminant Code: 13</p> <p>Contaminant Name: DIESEL FUEL</p> <p>Contaminant Limit 1:</p> <p>Discharger Report:</p> <p>Material Group:</p> <p>Health/Env Conseq:</p> <p>Client Type:</p> <p>Sector Type:</p> <p>Agency Involved:</p> <p>Nearest Watercourse:</p> <p>Site Address:</p> <p>Site District Office: Ottawa</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Not Anticipated Nature of Impact: Receiving Medium: Receiving Env: MOE Response: No Further Response (PR-PIR Table A) Dt MOE Arvl on Scn: MOE Reported Dt: 8/7/2008 Dt Document Closed: 12/5/2008 Incident Reason: Site Name: HWY 417 at mile marker 139 (Castlefrank Overpass)<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Dump Truck (NOS)-Ukn Qty Diesel & Hydraulic Oil to Hwy. Contaminant Qty:				Site Postal Code: Site Region: Site Municipality: Ottawa Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Highway Spills (usually highway accidents) Source Type:	
11	1 of 1	WSW/240.9	99.6 / 2.76	NE of Kanata Ave & Maritime Way Ottawa (Kanata) ON	EHS
Order No: 20090910034 Status: C Report Type: Standard Report Report Date: 9/21/2009 Date Received: 9/10/2009 Previous Site Name: Lot/Building Size: Additional Info Ordered:				Nearest Intersection: Kanata Ave & Lord Byng Way Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.904466 Y: 45.312434	
12	1 of 3	SSE/249.4	97.9 / 1.00	Royal Canadian Legion 86 Aird Place, Kanata Ottawa ON	CA
Certificate #: 5008-6FBQ6U Application Year: 2005 Issue Date: 8/22/2005 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:					
12	2 of 3	SSE/249.4	97.9 / 1.00	Legion Magazine 86 Aird Pl Kanata ON K2L 0A1	SCT
Established: 01-SEP-72 Plant Size (ft²): Employment:					
--Details-- Description: Periodical Publishers SIC/NAICS Code: 511120					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
12	3 of 3	SSE/249.4	97.9 / 1.00	Royal Canadian Legion 86 Aird Place, Kanata Ottawa ON K2P 0R7	ECA
<p>Approval No: 5008-6FBQ6U MOE District: Ottawa</p> <p>Approval Date: 2005-08-22 City:</p> <p>Status: Approved Longitude: -75.9003</p> <p>Record Type: ECA Latitude: 45.310897999999995</p> <p>Link Source: IDS Geometry X:</p> <p>SWP Area Name: Mississippi Valley Geometry Y:</p> <p>Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p>Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p>Address: 86 Aird Place, Kanata</p> <p>Full Address:</p> <p>Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4331-6DNJP3-14.pdf</p>					
13	1 of 2	NW/249.5	100.7 / 3.87	Bayview Kanata Holdings Ltd. 1100 Canadian Shield Ave Ottawa ON M5G 1R3	ECA
<p>Approval No: 3833-AF3G4G MOE District:</p> <p>Approval Date: 2016-11-03 City:</p> <p>Status: Revoked and/or Replaced Longitude:</p> <p>Record Type: ECA Latitude:</p> <p>Link Source: IDS Geometry X:</p> <p>SWP Area Name: Geometry Y:</p> <p>Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p>Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p>Address: 1100 Canadian Shield Ave</p> <p>Full Address:</p> <p>Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7951-AEVH8E-14.pdf</p>					
13	2 of 2	NW/249.5	100.7 / 3.87	Bayview Kanata Holdings Ltd., as general partner for and on behalf of Bayview Kanata Holdings Limited Partnership, the partnership under the laws of Ontario, and includes its successors and assignees 1100 Canadian Shield Ave, Ottawa ON M5G 1R3	ECA
<p>Approval No: 8457-BBCKVY MOE District: Ottawa</p> <p>Approval Date: 2019-05-12 City:</p> <p>Status: Approved Longitude: -75.90377</p> <p>Record Type: ECA Latitude: 45.315309</p> <p>Link Source: IDS Geometry X:</p> <p>SWP Area Name: Mississippi Valley Geometry Y:</p> <p>Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p>Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS</p> <p>Address: 1100 Canadian Shield Ave</p> <p>Full Address:</p> <p>Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/3736-B7FLFD-14.pdf</p>					
14	1 of 14	SW/249.6	99.9 / 3.00	10 Lord Byng Way Kanata ON	EHS
<p>Order No: 20010803003 Nearest Intersection:</p> <p>Status: C Municipality:</p> <p>Report Type: Basic Report Client Prov/State: ON</p> <p>Report Date: 8/14/01 Search Radius (km): 0.25</p> <p>Date Received: 8/3/01 X: -75.904623</p> <p>Previous Site Name: Y: 45.31164</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Lot/Building Size:</i> <i>Additional Info Ordered:</i>					
14	2 of 14	SW/249.6	99.9 / 3.00	101 Kanata Avenue Kanata ON K2T 1E6	EHS
<i>Order No:</i>	20040225008			<i>Nearest Intersection:</i>	
<i>Status:</i>	C			<i>Municipality:</i>	
<i>Report Type:</i>	Basic Report			<i>Client Prov/State:</i>	ON
<i>Report Date:</i>	3/4/04			<i>Search Radius (km):</i>	0.35
<i>Date Received:</i>	2/25/04			<i>X:</i>	-75.904508
<i>Previous Site Name:</i>				<i>Y:</i>	45.311596
<i>Lot/Building Size:</i>					
<i>Additional Info Ordered:</i>					
14	3 of 14	SW/249.6	99.9 / 3.00	innvest hotels gp viii 101 Kanata Ave. Ottawa ON	GEN
<i>Generator No:</i>	ON8441985			<i>PO Box No:</i>	
<i>Status:</i>				<i>Country:</i>	
<i>Approval Years:</i>	06			<i>Choice of Contact:</i>	
<i>Contam. Facility:</i>				<i>Co Admin:</i>	
<i>MHSW Facility:</i>				<i>Phone No Admin:</i>	
<i>SIC Code:</i>	721111				
<i>SIC Description:</i>	Hotels				
<i>Detail(s)</i>					
<i>Waste Class:</i>	212				
<i>Waste Class Desc:</i>	ALIPHATIC SOLVENTS				
14	4 of 14	SW/249.6	99.9 / 3.00	Kanata CHL Inc. 101 Kanata Avenue Ottawa ON	CA
<i>Certificate #:</i>	5681-5NCMT4				
<i>Application Year:</i>	2003				
<i>Issue Date:</i>	6/12/2003				
<i>Approval Type:</i>	Air				
<i>Status:</i>	Approved				
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>					
<i>Contaminants:</i>					
<i>Emission Control:</i>					
14	5 of 14	SW/249.6	99.9 / 3.00	Kanata CHL Inc. 10 Lord Byng Way Ottawa ON	CA
<i>Certificate #:</i>	8299-5MST73				
<i>Application Year:</i>	2003				
<i>Issue Date:</i>	5/23/2003				
<i>Approval Type:</i>	Air				
<i>Status:</i>	Revoked and/or Replaced				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

14	6 of 14	SW/249.6	99.9 / 3.00	INNVEST HOTELS GP VIII LTD. 101 Kanata Avenue Ottawa ON K2T1E6	NPRI
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NPRI ID:	8800001172	Org ID:	
Other ID:		Submit Date:	
No Other ID:		Last Modified:	
Track ID:		Contact ID:	
Report ID:		Cont Type:	MED
Report Type:		Contact Title:	
Rpt Type ID:		Cont First Name:	
Report Year:	2004	Cont Last Name:	
Not-Current Rpt?:		Contact Position:	
Yr of Last Filed Rpt:		Contact Fax:	
Fac ID:		Contact Ph.:	
Fac Name:	2203 - HOLIDAY INN SELECT (OTTAWA WEST)	Cont Area Code:	
Fac Address1:		Contact Tel.:	
Fac Address2:		Contact Ext.:	
Fac Postal Zip:		Cont Fax Area Cde:	
Facility Lat:		Contact Fax:	
Facility Long:		Contact Email:	
DLS (Last Filed Rpt):		Latitude:	
Facility DLS:		Longitude:	
Datum:		UTM Zone:	
Facility Cmnts:		UTM Northing:	
URL:		UTM Easting:	
No of Empl.:	99	Waste Streams:	
Parent Co.:		No Streams:	
No Parent Co.:		Waste Off Sites:	
Pollut Prev Cmnts:		No Off Sites:	
Stacks:		Shutdown:	
No of Stacks:		No of Shutdown:	
Canadian SIC Code (2 digit):			
Canadian SIC Code:			
SIC Code Description:			
American SIC Code:			
NAICS Code (2 digit):	53		
NAICS 2 Description:	Real Estate and Rental and Leasing		
NAICS Code (4 digit):	5311		
NAICS 4 Description:	Lessors of Real Estate		
NAICS Code (6 digit):	531120		
NAICS 6 Description:	Lessors of Non-Residential Buildings (except Mini-Warehouses)		

Substance Release Report

CAS No:	10102-43-9
Report ID:	
Rpt Period:	2004
Subst Released:	Oxides of nitrogen (expressed as NO)
Air:	
Water:	
Land:	
Total Releases:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Units:		tonnes			
CAS No:		7446-09-5			
Report ID:					
Rpt Period:		2004			
Subst Released:		Sulphur dioxide			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
CAS No:		811-97-2			
Report ID:					
Rpt Period:		2004			
Subst Released:		HFC-134a Hydrofluorocarbon			
Air:					
Water:					
Land:					
Total Releases:					
Units:		tonnes			
14	7 of 14	SW/249.6	99.9 / 3.00	INVEST MASTER PROPERTIES VIII LP 101 KANATA KANATA ON	EASR
Approval No:	R-003-7518201270			SWP Area Name:	
Status:	Registered			MOE District:	
Date:	7/30/15			Municipality:	KANATA
Record Type:				Latitude:	
Link Source:				Longitude:	
Project Type:	Heating System			Geometry X:	
Full Address:				Geometry Y:	
Approval Type:					
Full PDF Link:					
14	8 of 14	SW/249.6	99.9 / 3.00	INVEST MASTER PROPERTIES VIII LP 101 KANATA KANATA ON	EASR
Approval No:	R-002-7518361837			SWP Area Name:	
Status:	Registered			MOE District:	
Date:	7/30/15			Municipality:	KANATA
Record Type:				Latitude:	
Link Source:				Longitude:	
Project Type:	Standby Power System			Geometry X:	
Full Address:				Geometry Y:	
Approval Type:					
Full PDF Link:					
14	9 of 14	SW/249.6	99.9 / 3.00	INVEST MASTER PROPERTIES VIII LP 101 KANATA AVE KANATA ON K2T 1E6	EASR
Approval No:	R-003-7518201270			SWP Area Name:	Mississippi Valley
Status:	REGISTERED			MOE District:	Ottawa
Date:	2015-07-30			Municipality:	KANATA
Record Type:	EASR			Latitude:	45.31
Link Source:	MOFA			Longitude:	-75.905
Project Type:	Heating System			Geometry X:	
Full Address:				Geometry Y:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: Full PDF Link:		EASR-Heating System http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2016020			
14	10 of 14	SW/249.6	99.9 / 3.00	INVEST MASTER PROPERTIES VIII LP 101 KANATA AVE KANATA ON K2T 1E6	EASR
Approval No: Status: Date: Record Type: Link Source: Project Type: Full Address: Approval Type: Full PDF Link:		R-002-7518361837 REGISTERED 2015-07-30 EASR MOFA Standby Power System EASR-Standby Power System http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2016023			
SWP Area Name: MOE District: Municipality: Latitude: Longitude: Geometry X: Geometry Y:		Mississippi Valley Ottawa KANATA 45.31 -75.905			
14	11 of 14	SW/249.6	99.9 / 3.00	Kanata CHL Inc. 10 Lord Byng Way Ottawa ON L4W 4T9	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:		8299-5MST73 2003-05-23 Revoked and/or Replaced ECA IDS Mississippi Valley ECA-AIR AIR 10 Lord Byng Way https://www.accessenvironment.ene.gov.on.ca/instruments/8414-5KSSUF-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:		Ottawa Ottawa -75.90451 45.311558			
14	12 of 14	SW/249.6	99.9 / 3.00	Kanata CHL Inc. 101 Kanata Avenue Ottawa ON L4W 4T9	ECA
Approval No: Approval Date: Status: Record Type: Link Source: SWP Area Name: Approval Type: Project Type: Address: Full Address: Full PDF Link:		5681-5NCMT4 2003-06-12 Approved ECA IDS Mississippi Valley ECA-AIR AIR 101 Kanata Avenue https://www.accessenvironment.ene.gov.on.ca/instruments/4692-5NCLV9-14.pdf			
MOE District: City: Longitude: Latitude: Geometry X: Geometry Y:		Ottawa Ottawa -75.90451 45.311558			
14	13 of 14	SW/249.6	99.9 / 3.00	Innvest Hotels LP, c/o Westmont Hospitality Group 101 Kanata Ave Kanata ON K2J 0S6	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility:		ON3334305 Registered As of Dec 2018			
PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:		Canada			

<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>SIC Code:</i>					
<i>SIC Description:</i>					
 <i>Detail(s)</i>					
<i>Waste Class:</i>		212 L			
<i>Waste Class Desc:</i>		Aliphatic solvents and residues			

14	14 of 14	SW/249.6	99.9 / 3.00	101 Kanata Avenue Kanata ON K2T 1E6	EHS
<i>Order No:</i>		20190109007		<i>Nearest Intersection:</i>	
<i>Status:</i>		C		<i>Municipality:</i>	
<i>Report Type:</i>		Standard Report		<i>Client Prov/State:</i> ON	
<i>Report Date:</i>		15-JAN-19		<i>Search Radius (km):</i> .25	
<i>Date Received:</i>		09-JAN-19		<i>X:</i> -75.904601	
<i>Previous Site Name:</i>				<i>Y:</i> 45.311573	
<i>Lot/Building Size:</i>					
<i>Additional Info Ordered:</i>		City Directory; Aerial Photos			

Unplottable Summary

Total: **28** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	HODDINOTT HOLDINGS LTD.	PART LOT 3 CONC 2	KANATA CITY ON	
CA	PENEX KANATA LIMITED	LOT 3/CON.2, KANATA CENTRUM	KANATA CITY ON	
CA	REG.MUN.OF OTTAWA-CARLETON	QUEENSWAY N.	OTTAWA ON	
CA		Kanata Avenue	Ottawa ON	
CA	TEGA Developments Inc.	Kanata Ave	Ottawa ON	
CA	IMPERIAL OIL LIMITED	LOT 3, CONC. 2, GAS STATION	KANATA CITY ON	
EHS		Hwy 417	Ottawa ON	
EXP	SUPERIOR PROPANE INC	LOT 2 CON 3	NEPEAN TWP OTTAWA ON	M1E 2N4
EXP	UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY	LOT 3 CON 2	MARCH TWP ON	NULL
EXP	UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY	LOT 3 CON 2	MARCH TWP ON	NULL
FST	WEST CARLETON SAND & GRAVEL INC.	LOT 2 CON 2 CO RD 7	HUNTLEY TWP OTTAWA ON	K0A 1L0
FST	WEST CARLETON SAND & GRAVEL INC.	LOT 2 CON 2 CO RD 7	HUNTLEY TWP OTTAWA ON	K0A 1L0
FST	WEST CARLETON SAND & GRAVEL INC.	LOT 2 CON 2 CO RD 7	HUNTLEY TWP OTTAWA ON	K0A 1L0
GEN	High Road Maintenance	Lot 3, Con. 2	Kanata City ON	
GEN	High Road Maintenance	Lot 3, Con. 2	Kanata City ON	
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	High Road Maintenance	Lot 3, Con. 2	Kanata City ON	K2T0C2

GEN	High Road Maintenance	Lot 3, Con. 2	Kanata City ON	K2T0C2
GEN	High Road Maintenance	Lot 3, Con. 2	Kanata City ON	K2T0C2
GEN	R.W Tomlinson	LRT Central Site Hwy 417 Widening	ottawa ON	K1G 3N4
GEN	KANATA HYDRO-ELECTRIC COMMISSION	KANATA M.S., REANEY COURT LOT 3, CONCESSION 3	KANATA ON	
PRT	MINISTRY OF TRANSPORTATION	LOT 3 CON 2	MARCH TWP ON	
SPL		QUEENSWAY EASTBOUND AT METCALFE \	OTTAWA CITY ON	
SPL	CONSOLIDATED FREIGHTWAYS	ALONG THE 417 TRANSPORT TRUCK (CARGO)	OTTAWA CITY ON	
SPL	TRANSPORT TRUCK	HWY. 417 MOTOR VEHICLE (OPERATING FLUID)	OTTAWA ON	
SPL	TRANSPORT TRUCK	QUEENSWAY MOTOR VEHICLE (OPERATING FLUID)	OTTAWA CITY ON	
SPL	City of Ottawa	Highway 417	Ottawa ON	
WWIS		lot 2 con 2	ON	

Unplottable Report

Site: *HODDINOTT HOLDINGS LTD.
PART LOT 3 CONC 2 KANATA CITY ON*

Database:
CA

Certificate #: 4-0035-96-
Application Year: 96
Issue Date: 4/1/1996
Approval Type: Industrial wastewater
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *PENEX KANATA LIMITED
LOT 3/CON.2, KANATA CENTRUM KANATA CITY ON*

Database:
CA

Certificate #: 3-0629-95-
Application Year: 95
Issue Date: 9/5/1995
Approval Type: Municipal sewage
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *REG.MUN.OF OTTAWA-CARLETON
QUEENSWAY N. OTTAWA ON*

Database:
CA

Certificate #: 3-0468-85-006
Application Year: 85
Issue Date: 6/4/85
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Kanata Avenue Ottawa ON*

Database:
CA

Certificate #: 3692-5CKGW5
Application Year: 02

Issue Date: 8/2/02
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: The Corporation of the City of Ottawa
Client Address: 110 Laurier Avenue West
Client City: Ottawa
Client Postal Code: K1P 1J1
Project Description: Approval is sought for the construction of storm sewers on Kanata Avenue.
Contaminants:
Emission Control:

Site: **TEGA Developments Inc.**
Kanata Ave Ottawa ON

Database:
CA

Certificate #: 3400-7RJJW8
Application Year: 2009
Issue Date: 5/1/2009
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: **IMPERIAL OIL LIMITED**
LOT 3, CONC. 2, GAS STATION KANATA CITY ON

Database:
CA

Certificate #: 3-0886-99-
Application Year: 99
Issue Date: 8/12/1999
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **Hwy 417 Ottawa ON**

Database:
EHS

Order No: 20120509053
Status: C
Report Type: Custom Report
Report Date: 5/16/2012
Date Received: 5/9/2012
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): 0.25
X: -75.670099
Y: 1

Site: **SUPERIOR PROPANE INC**
LOT 2 CON 3 NEPEAN TWP OTTAWA ON M1E 2N4

Database:
EXP

Instance No: 9558942
Instance ID:

Instance Type: FS Facility
Description:
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date: 8/1/1990

Site: UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY
LOT 3 CON 2 MARCH TWP ON NULL

Database:
EXP

Instance No: 10840306
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 1/11/1990

Site: UNITED COUNTIES OF STORMONT, DUNDAS, GLENGARRY
LOT 3 CON 2 MARCH TWP ON NULL

Database:
EXP

Instance No: 10840324
Instance ID:
Instance Type: FS Liquid Fuel Tank
Description: Fuels Safety Private Fuel Outlet - Self Serve
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type: FS Liquid Fuel Tank
Expired Date: 1/11/1990

Site: WEST CARLETON SAND & GRAVEL INC.
LOT 2 CON 2 CO RD 7 HUNTLEY TWP OTTAWA ON K0A 1L0

Database:
FST

Instance No: 64477367
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Gasoline
Status: Active
Capacity: 4540
Tank Material: Steel
Corrosion Protection: Painted
Tank Type: Double Wall Horizontal AST
Install Year: 2002
Parent Facility Type: FS Gasoline Station - Full Serve
Facility Type: FS Liquid Fuel Tank

Site: WEST CARLETON SAND & GRAVEL INC.
LOT 2 CON 2 CO RD 7 HUNTLEY TWP OTTAWA ON K0A 1L0

Database:
FST

Instance No: 64477368
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
Status: Active
Capacity: 4540
Tank Material: Steel
Corrosion Protection: Painted
Tank Type: Double Wall Horizontal AST
Install Year: 2002

Parent Facility Type: FS Gasoline Station - Full Serve
Facility Type: FS Liquid Fuel Tank

Site: WEST CARLETON SAND & GRAVEL INC.
LOT 2 CON 2 CO RD 7 HUNTLEY TWP OTTAWA ON K0A 1L0

Database:
FST

Instance No: 64477369
Cont Name:
Instance Type: FS Liquid Fuel Tank
Fuel Type: Diesel
Status: Active
Capacity: 4540
Tank Material: Steel
Corrosion Protection: Painted
Tank Type: Double Wall Horizontal AST
Install Year: 2002
Parent Facility Type: FS Gasoline Station - Full Serve
Facility Type: FS Liquid Fuel Tank

Site: High Road Maintenance
Lot 3, Con. 2 Kanata City ON

Database:
GEN

Generator No: ON5522769
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 488490
SIC Description: Other Support Activities for Road Transportation

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

Site: High Road Maintenance
Lot 3, Con. 2 Kanata City ON

Database:
GEN

Generator No: ON5522769
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 488490
SIC Description: OTHER SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

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

Detail(s)

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

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

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

Database:
GEN

Generator No: ON9834153
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 237310
SIC Description: HIGHWAY, STREET AND BRIDGE CONSTRUCTION

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: mark peralta
Phone No Admin: 6138221867 Ext.

Detail(s)

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 146
Waste Class Desc: OTHER SPECIFIED INORGANICS

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

Site: *High Road Maintenance*
Lot 3, Con. 2 Kanata City ON K2T0C2

Database:
GEN

Generator No: ON5522769
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 488490
SIC Description: OTHER SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Alexis Fernetich
Phone No Admin: 6135475591 Ext.3162

Detail(s)

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

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

Site: *High Road Maintenance*
Lot 3, Con. 2 Kanata City ON K2T0C2

Database:
GEN

Generator No: ON5522769
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 488490
SIC Description: OTHER SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Alexis Fernetich
Phone No Admin: 6135475591 Ext.3162

Detail(s)

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

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

Site: *High Road Maintenance*
Lot 3, Con. 2 Kanata City ON K2T0C2

Database:
GEN

Generator No: ON5522769
Status:
Approval Years: 2015
Contam. Facility: No
MHSW Facility: No
SIC Code: 488490
SIC Description: OTHER SUPPORT ACTIVITIES FOR ROAD TRANSPORTATION

PO Box No:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin: Alexis Fernetich
Phone No Admin: 6135475591 Ext.3162

Detail(s)

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

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

Site: *R.W Tomlinson*

Database:

Generator No:	ON9834153	PO Box No:	
Status:		Country:	Canada
Approval Years:	2015	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	mark peralta
MHSW Facility:	No	Phone No Admin:	6138221867 Ext.
SIC Code:	237310		
SIC Description:	HIGHWAY, STREET AND BRIDGE CONSTRUCTION		

Detail(s)

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

Site: KANATA HYDRO-ELECTRIC COMMISSION
KANATA M.S., REANEY COURT LOT 3, CONCESSION 3 KANATA ON

Database:
GEN

Generator No:	ON0646402	PO Box No:	
Status:		Country:	
Approval Years:	99,00,01	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	4911		
SIC Description:	ELECT. POWER SYS.		

Detail(s)

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

Site: MINISTRY OF TRANSPORTATION
LOT 3 CON 2 MARCH TWP ON

Database:
PRT

Location ID:	8452
Type:	private
Expiry Date:	
Capacity (L):	31740.00
Licence #:	0001011712

Site: QUEENSWAY EASTBOUND AT METCALFE \ OTTAWA CITY ON

Database:
SPL

Ref No:	162583	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	12/2/1998	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:		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:		Site Municipality:	20101
Nature of Impact:		Site Lot:	
Receiving Medium:	LAND / WATER	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	

MOE Reported Dt: 12/2/1998
Dt Document Closed:
Incident Reason:
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary:
Contaminant Qty:

Site Map Datum:
SAC Action Class:
Source Type:

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

Database:
SPL

Ref No: 35498
Site No:
Incident Dt: 5/29/1990
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: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/30/1990
Dt Document Closed:
Incident Reason: MATERIAL FAILURE
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: CONSOLIDATED FREIGHT-15 LGLUE TO HIGHWAY BETWEEN MONTREAL AND OTTAWA
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: CANUTEC,OPP
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

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

Database:
SPL

Ref No: 191523
Site No:
Incident Dt: 12/4/2000
Year:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 12/4/2000
Dt Document Closed:
Incident Reason: OTHER
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: RSR ENVIRONMENTAL:SPILL OF 50-100 L DIESEL DUE TO ROLLOVER. CONTAINED.
Contaminant Qty:

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: 20107
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: TRANSPORT TRUCK
QUEENSWAY MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON

Database:
SPL

Ref No: 224201
Site No:
Incident Dt: 4/19/2002
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: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 4/19/2002
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: LOBLAWS: 450L DIESEL FROMTRUCK TO ROAD ONLY; OPP; MTO.
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved: OPP-KANATA; MTO
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20107
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: City of Ottawa
Highway 417 Ottawa ON

Database:
SPL

Ref No: 3043-7QMTYH
Site No:
Incident Dt:
Year:
Incident Cause: Pipe Or Hose Leak
Incident Event:
Contaminant Code:
Contaminant Name: ENGINE OIL
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 3/30/2009
Dt Document Closed:
Incident Reason: Unknown - Reason not determined
Site Name: EB Merge Lane Hwy 417 & Eagleson Road
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC Transpo: 10L engine oil to grnd on Hwy 417
Contaminant Qty: 10 L

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

Site: lot 2 con 2 ON

Database:
WWIS

Well ID: 1536072
Construction Date:
Primary Water Use:
Sec. Water Use:

Data Entry Status:
Data Src:
Date Received: 12/1/2005
Selected Flag: Yes

Final Well Status:
Water Type:
Casing Material:
Audit No: Z17656
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Abandonment Rec:
Contractor: 6907
Form Version: 3
Owner:
Street Name:
County: OTTAWA-CARLETON
Municipality: 15000
Site Info:
Lot: 002
Concession: 02
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 11316611
DP2BR:
Spatial Status:
Code OB: —
Code OB Desc: No formation data
Open Hole:
Cluster Kind:
Date Completed: 10/19/2005
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone:
East83:
North83:
Org CS:
UTMRC:
UTMRC Desc:
Location Method: na

Method of Construction & Well Use

Method Construction ID:
Method Construction Code: B
Method Construction: Other Method
Other Method Construction:

Pipe Information

Pipe ID: 11331466
Casing No: 1
Comment:
Alt Name:

Results of Well Yield Testing

Pump Test ID: 11345878
Pump Set At: 200
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: LPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:

Pumping Duration MIN:
Flowing:

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 2019

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-Jul 31, 2019

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 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

Chemical Register:

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-Jul 31, 2019

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 - Nov 2019

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 2019

Certificates of Property Use:

Provincial CPU

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

Government Publication Date: 1994-Jan 31, 2020

Drill Hole Database:

Provincial DRL

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

Government Publication Date: 1886 - Sep 2019

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-Jan 31, 2020

Environmental Registry:

Provincial [EBR](#)

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

Government Publication Date: 1994-Jan 31, 2020

Environmental Compliance Approval:

Provincial [ECA](#)

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

Government Publication Date: Oct 2011-Jan 31, 2020

Environmental Effects Monitoring:

Federal [EEM](#)

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private [EHS](#)

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

Government Publication Date: 1999-Jan 31, 2020

Environmental Issues Inventory System:

Federal [EIS](#)

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 EIS 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 or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of Expired Fuels Safety Facilities:

Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

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.

Government Publication Date: Jun 2000-Nov 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal FED TANKS

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

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 2018

Fuel Storage Tank:

Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

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-Oct 31, 2019

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 2017

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: Feb 28, 2017

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as 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 will include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-Jan 2019

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:Provincial [NCPL](#)

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks:Federal [NDFT](#)

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:Federal [NDSP](#)

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:Federal [NDWD](#)

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:Federal [NEBI](#)

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

Government Publication Date: 2008-Dec 31, 2019

National Energy Board Wells:Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):Federal [NEES](#)

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

Government Publication Date: 1974-2003*

National PCB Inventory:Federal [NPCB](#)

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:Federal [NPRI](#)

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private

[OGWE](#)

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

Government Publication Date: 1988-Aug 31, 2019

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 2019

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-Jan 31, 2020

Canadian Pulp and Paper:

Private

[PAP](#)

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

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

Parks Canada Fuel Storage Tanks:

Federal

[PCFT](#)

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

[PES](#)

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

Government Publication Date: 1988-Jan 2020

Pipeline Incidents:

Provincial

[PINC](#)

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

Government Publication Date: Feb 28, 2017

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-Jan 31, 2020

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental clean-up 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-Jan 2020

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Jul 31, 2019

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

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-Jun 2019

Wastewater Discharger Registration Database:

Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks:

Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal TCFT

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

Government Publication Date: 1970-Aug 2018

Variances for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Feb 28, 2017

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-Jan 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Feb 28, 2019

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

POSITION

Intermediate Environmental Engineer

EDUCATION

Carleton University
M.A.Sc., Environmental Engineering, 2013
B.Eng., Environmental Engineering, 2008

MEMBERSHIPS & AWARDS

Ontario Professional Engineers Association (EIT)
NSERC Industry R&D Scholarship

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers
Geotechnical and Environmental Division
Environmental Engineer

2014 – 2015

Thurber Engineering Limited

Oil Sand Tailings Group
Tailings Engineer

2009 – 2014

Carleton University

Department of Civil & Environmental Engineering
Research Engineer, Research Assistant & Teaching Assistant

2008 – 2009

SLR Consulting Limited

Contaminated Sites
Junior Environmental Engineer

SELECTED LIST OF PROJECTS

Phase I & II Environmental Site Assessments – NRC, Kingston
Remediation – National Capital Region, Saskatchewan
Multi-lift and dry-stacking pilot programs – Northern Alberta
Polymer amended oil sand tailings – Northern Alberta
Hydraulic cut-off wall – Allen, Saskatchewan
Cemented paste backfill systems – Northern Ontario

Geotechnical
Engineering

Environmental
Engineering

Hydrogeology

Geological
Engineering

Materials Testing

Building Science

Archaeological
Services

POSITION

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

EDUCATION

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

MEMBERSHIPS

Ottawa Geotechnical Group
Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

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

SELECT LIST OF PROJECTS

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