PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

Project No.: CCO-25-4560

Prepared for:

International Buddhist Progress Society of Ottawa – Carleton
6688 Franktown Road
Ottawa, Ontario
K0A 2ZO

Prepared by:

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February 3, 2025

egis

EXECUTIVE SUMMARY

Egis Canada Ltd. (Egis) was retained Venerable Hui Zu of International Buddhist Progress Society of Ottawa – Carleton (Client) to conduct a Phase One Environmental Site Assessment (ESA) in connection with the property located at 6688 Franktown Road in Ottawa, Ontario (hereinafter referred to as the Phase One Property or Site). The Phase One Property is currently developed with a single-storey slab-on-grade institutional building (Site Building) and a small auxiliary building used for general storage, all occupied by the Fo Guang Shan Temple of Ottawa. The area that surrounds the Site Building is improved with a gravel-based driveway, asphalt paved parking areas, recreational areas and vacant forest land. A pad mounted oil-cooled transfer is located along the western portion of the Site adjacent to Franktown Road. For the purpose of this investigation Franktown Road is considered to extend in a north/south orientation.

It is understood that the client has potential future plans to redevelop the Phase One Property with an additional institutional building. While this proposed change in land use does not represent a change to a more sensitive land use, it is our understanding that a Phase One ESA in accordance with Ontario Regulation (O. Reg.) 153/04 (as amended) is required as part of the City of Ottawa's Site Plan Control application for the Phase One Property.

This Phase One ESA was conducted between January 7 and 21, 2025, and included a review of aerial photographs, regulatory database information provided by Environmental Risk Information Services Inc., historical and current owner information, and information provided by the Technical Standards and Safety Authority and Ontario Ministry of the Environment, Conservation and Parks, as well as a Site reconnaissance.

Two (2) potentially contaminating activities were identified within the Phase One Study Area, both of which are located on the Phase One Property and therefore are considered to represent areas of potential environmental concern (APECs) in relation to the Phase One Property. The identified APECs are as follows:

- APEC #1 – N/A "Application of Road Salt to the Site Exterior". During the Site reconnaissance, a representative from the Phase One Property indicated that road salt is applied to the parking lot areas and pedestrian walkways at the Phase One Property on a seasonal basis for snow and ice management purposes. Given that the use of road salt at the Phase One Property is conducted for the safety of vehicular or pedestrian traffic under conditions of snow or ice (or both), salt-related parameters (i.e., electrical conductivity, sodium adsorption ratio , sodium and chloride) are not considered to be contaminants of potential concern at the Phase One Property as per Section 49.1 of O. Reg. 153/04 (as amended); and
- APEC #2 – Item 55: "Transformer Manufacturing, Processing and Use". A pad-mounted oil-cooled transformer was observed on the western portion of the Site adjacent to Franktown Road.

The findings of the Phase One ESA identified two (2) APECs. Of note, a pad-mounted oil-cooled transformer along the western portion of the Site adjacent to Franktown Road. Given the current and future intended rural institutional land use for the Site, it is Egis' opinion that the presence of the pad-mounted oil-cooled transformer is of low environmental risk, and as a Record of Site Condition is not intended to be filed for the Site at this time, a subsurface investigation is not recommended for the Phase One Property to continue to operate as-is.

However, in order for this Phase One ESA to comply with O. Reg 153/04 (as amended) and or O. Reg 406/19 (as amended), if the Phase One Property is to be redeveloped in the future to a more sensitive land use, or if any excess soil is to be generated during any future development, a Phase Two ESA and/or subsurface investigation would be required.

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1.0 INTRODUCTION

Egis Canada Ltd. (Egis) was retained Venerable Hui Zu of International Buddhist Progress Society of Ottawa – Carleton (Client) to conduct a Phase One Environmental Site Assessment (ESA) in connection with the property located at 6688 Franktown Road in Ottawa, Ontario (hereinafter referred to as the Phase One Property or Site). The Phase One Property is currently developed with a single-storey slab-on-grade institutional building (Site Building) and a small auxiliary building used for general storage, all occupied by the Fo Guang Shan Temple of Ottawa. The area that surrounds the Site Building is improved with a gravel-based driveway, asphalt paved parking areas, recreational areas and vacant forest land. A pad mounted oil-cooled transfer is located along the western portion of the Site adjacent to Franktown Road. For the purpose of this investigation Franktown Road is considered to extend in a north/south orientation.

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The location of the Phase One Property is shown on Figure 1, and a plan showing the Phase One Property layout and features is provided as Figure 2.

1.1 Phase One Property Information

The Phase One Property covers 39.87 hectares in area and is located on the south side of Franktown Road. The Phase One Property is currently bound residential properties and/or vacant land to the north and south. Area to the east of the Phase One Property is bound by Ottawa Street while area to the west is bound by Franktown Road.

Based on a review of the geoOttawa Zoning Boundary Web-Map and a review of the City of Ottawa Zoning By-Law Part 13- Rural Zones (Section 211-236), the western portion of the Site is zoned for Rural Institutional Land Use, while the eastern portion of the Site is zoned for Rural Country Site Land Use. As the proposed development is planned for the western portion of the Site, the zoning permits the current land use at the Site.

1.1.1 Property Identification

The current municipal address for the Phase One Property is 6688 Franktown Road in Ottawa, Ontario. The legal description of the Phase One Property is as follows:

PART LOT 19 CONCESSION 3 GOULBOURN PART 1 4R7040, EXCEPT PART 1 4R32299

PIN: 03933-1060 (LT)

1.1.2 Property Ownership and Contact Details

Egis was retained by Venerable Hui Zu to complete this Phase One ESA on behalf of International Buddhist Progress Society of Ottawa – Carleton. The current owner of the Phase One Property is International Buddhist Progress Society of Ottawa – Carleton.

1.1.3 Current and Proposed Future Uses

The current land use at the Phase One Property is institutional and has been occupied by Fo Guang Shan Temple of Ottawa since 2012. Based on a review of aerial photographs and interviews completed with the Site Representative, the Site was improved with a gravel-based driveway in 2014 and was later developed with the current Site Building in 2019. Prior to the improvement of the gravel driveway in 2014 and the development of the current Site Building in 2019, the Site consisted of vacant undeveloped and/or forested land.

It is understood that the client has potential future plans to redevelop the Phase One Property with an additional institutional building. While this proposed change in land use does not represent a change to a more sensitive land use, it is our understanding that a Phase One ESA in accordance with Ontario Regulation (O. Reg.) 153/04 (as amended) is required as part of the City of Ottawa's Site Plan Control application for the Phase One Property.

1.2 Surrounding Land Use

Properties within the Phase One Study Area generally consist of residential and agricultural land uses, as shown on Figure 2.

2.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary environmental screening tool designed to provide a qualitative assessment of the environmental condition of a property, based on a desktop review of available documentation pertaining to the property and observations made during a Site reconnaissance. Upon review of this information, Egis will determine whether potentially contaminating activities (PCAs) exist within the Phase One Study Area and, if so, identify whether these PCAs constitute areas of potential environmental concern (APECs) in relation to the Phase One Property. Sampling and chemical analyses of soils, groundwater, and/or other materials/substances are beyond the scope of work for a Phase One ESA. The scope of the investigation also included the review of a previously completed environmental investigation for the Site entitled:

- "Phase 1 Environmental Site Assessment, 6688 Franktown Road, Ottawa, Ontario" prepared by McIntosh Perry and dated June 2018 (2018 McIntosh Perry Phase 1 Report).

This Phase One ESA has been prepared in accordance with the requirements of O. Reg. 153/04 (as amended) and is also in general compliance with "*Phase I Environmental Site Assessment*", Canadian Standards Association standard CSA Z768-01 (reaffirmed 2022).

A designated substances survey was not completed as part of the current investigation.

Based on information provided by the Client, and on information reviewed as part of this Phase One ESA, the Phase One Property is not considered to be an Enhanced Investigation Property under Section 32 (1) B of O. Reg. 153/04 (as amended).

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

Based on Egis' review of all available information, nothing was identified beyond 250 metres (m) of the Phase One Property that would be likely to represent an APEC in relation to the Phase One Property. As such, the Phase One Study Area was determined to include the Phase One Property and all properties within a 250 m radius of the Phase One Property.

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

3.1.2 First Developed Use Determination

Based on a review of available resources including aerial photographs and interviews completed as part of the recent Site reconnaissance, the Site was part of a larger parcel of undeveloped vacant forested land prior to 2014. In 2014, a narrow strip along the western portion of the Site was deforested and improved with a gravel-based driveway. Between 2018 and 2019, more forested land along the western portion of the Site and in the vicinity of the gravel-based driveway was deforested and replaced with the current Site Building. Following the development of the Site Building in 2019, the Site was improved with asphalt paved parking areas and recreational areas in 2023. The Site has remained in this configuration since 2023.

3.1.3 Fire Insurance Plans

Egis contacted Opta to obtain copies of Fire Insurance Plans (FIPs) for the Phase One Study Area. In a response dated January 13, 2025, Opta indicated no records were found pertaining to the Phase One Property or Phase One Study Area.

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

3.1.4 Chain of Title

A Chain of Title search was not completed as part of this Phase One Environmental Site Assessment.

3.1.5 Previous Environmental Reports

3.1.5.1 2018 McIntosh Perry Phase 1 ESA Report

A Phase One ESA was completed by McIntosh Perry for the Phase One Property in June of 2018. The Phase One ESA was completed in general compliance with O. Reg. 153/04 (as amended), and CSA Standard Z768-01 (R2012).

As part of the Phase One ESA, McIntosh Perry conducted a qualitative assessment of the environmental condition of the Site based on a desktop review of available documentation pertaining to the Site,

observations made during a Site visit, and information from interviews with people with knowledge of the Site and its history.

Based on the absence of confirmed PCAs and APECs at the Site and within the Phase One Study Area, a Phase Two ESA was not recommended.

Additionally, this previous report identified a potential aggregate pit on the property immediately north of the Site. Egis was unable to corroborate the former presence of an aggregate on this property pit in any other regulatory or historical information reviewed as part of this Phase One ESA. Upon further evaluation and observations made during a thorough review of historical aerial photographs, it is Egis' opinion that the potential aggregate pit identified was an area of low relief with poor drainage, and that aggregate related operations are unlikely to have occurred on this property.

Furthermore, comments with respect to the previous report identified a warning sign in Photograph 6 of the 2018 McIntosh Perry Phase One ESA Report. Upon evaluation of this photograph, fine details of the sign are indiscernible, however, based on the surrounding features of the photograph, it is Egis' opinion that this sign is not located on the Phase One Property and does not represent an APEC in relation to the Phase One Property.

3.1.6 City Directories

The Site and surrounding properties were developed following the most recent city directories available for the City of Ottawa (1999). As such, a city directory search was not completed as part of this Phase One ESA investigation.

3.1.7 Property Underwriter Reports and Property Underwriter Plans

Opta was contacted to obtain available Property Underwriters Reports and Property Underwriters Plans for the Phase One Property. In a response dated January 13, 2025, Opta indicated that records pertaining to the Phase One Property were not available.

Copies of the responses provided by Opta are included in Appendix A.

3.2 Environmental Source Information

Egis completed a records review to obtain information about the Phase One Property pertaining to items of actual and/or potential environmental concern.

3.2.1 ERIS Database Search

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

Relevant database search results provided for the Phase One Property and other properties within the Phase One Study Area are summarized in the following subsections.

3.2.1.1 Water Well Information System (WWIS)

A total of twelve (12) WWIS records were found within the Phase One Study Area, one (1) of which pertained to the Phase One Property. The nature of these wells was either for water supply, abandoned or unspecified. Based off the location of these wells and information provided in the ERIS listings, it is anticipated that groundwater is used as a source of potable water within the Phase One Study Area. Further details regarding these well records are provided in Section 4.6 of this report.

3.2.2 MECP Freedom of Information Request

In order to identify any previous environmental reports concerning the Site, a MECP Freedom of Information (FOI) request was submitted for the Site by Egis. On January 7, 2025, a response from the MECP indicated the Ministry may hold records with the following information:

- Permits to Take Water (PTTW)

It is Egis' opinion that records pertaining to a PTTW would not significantly change the findings of this Phase One ESA and, as such, the records were not requested to be released to Egis.

A copy of the MECP response is included in Appendix C.

3.2.3 TSSA Information Request

A request for information regarding fuel tanks at the Phase One Property was submitted to the TSSA. A response was received on January 7, 2025, which indicated that no information related to fuel tanks at the Site was available in the TSSA's databases.

A copy of Egis' correspondence with the TSSA is included in Appendix C.

3.2.4 Historic Land Use Inventory (HLUI) Request

A request for historical land use inventory was put out to the City of Ottawa for the Phase One Property on January 21, 2025. At the time of issuing this Phase One ESA, a formal response has not been received by the City of Ottawa. Once a response is provided by the City of Ottawa, all relevant information will be forwarded to the client in an addendum. The information provided in the HLUI request may change the findings of the Phase One ESA. Once received, an update letter of relevant findings (if any) identified within the HLUI will be provided under separate cover.

4.0 PHYSICAL SETTING

4.1 Aerial Photographs and Satellite Images

Aerial photographs for the years 1946, 1976, 1991, 2002 and 2014 were obtained and reviewed from an internal database. A 2024 aerial photograph was reviewed on Google Earth Satellite Imagery. Observations of current and historical land use for the Site and surrounding properties are noted in the table below.

Aerial Photograph Review		
Date	**Phase One Property**	**Surrounding Properties**
1946 and 1976	The Phase One Property appears as vacant undeveloped forested land.	North – Inferred vacant undeveloped/agricultural land. East – Inferred vacant undeveloped/agricultural land. South – Inferred vacant undeveloped/agricultural land, with an inferred residential property and roadway immediately south of the southwest corner of the Phase One Property. West – Immediately west of the Site is a roadway similar in location and orientation to present day Franktown Road, beyond which is an inferred residential property followed by inferred vacant and/or agricultural land.
1991 and 2002	Similar to 1976.	North – Similar to 1976. East – Immediately east of the Site is a roadway similar in location and orientation as present-day Ottawa Street followed by inferred agricultural and/or vacant land. South – Similar to 1976; however, an inferred residential property has been developed adjacent to the northwest corner of the Phase One Property. West – Similar to 1976.
2014	An inferred laneway has been developed on the western portion of the Site that extends into the Phase One Property.	North – Similar to 2002; however, inferred residential development has occurred immediately north of the northeast corner of the Phase One Property. East – Similar to 2002. South – Similar to 2002. West – Similar to 2002.

Aerial Photograph Review		
Date	**Phase One Property**	**Surrounding Properties**
2024	The Phase One Property appears to be developed with a structure similar in shape and orientation to the present-day Site Building and associated parking lot and recreational area.	North – Similar to 2014. East – Similar to 2014. South – Similar to 2014. West – Similar to 2014.

Based on a review of the above-noted aerial photographs, nothing was identified that is considered to pose a potential environmental concern towards the Phase One Property.

4.2 Topography, Hydrology and Geology

4.2.1 Topography

Elevation at the Site ranges from approximately 100 to 110 m above mean sea level. The topography at the Site is relatively flat at poorly drained. Surrounding properties are of similar relief, with regional topography sloping gently down towards the Jock River, east of the Phase One Property.

4.2.2 Hydrology

The Phase One Property is located within the Jock River watershed. The Jock River, which is a tributary of the Ottawa River system, is located approximately 1.0 kilometres (km) east of the Phase One Property, at its closest point. Site drainage consists of infiltration in permeable areas, as well as overland flow to surface water ditches along the peripheries of the Phase One Property.

4.2.3 Geology

4.2.3.1 Surficial Geology

Geological maps of the area classify the overburden at the Phase One Property coarse-textured glaciomarine deposits, including sand, gravel, and minor silt and clay.

4.2.3.2 Bedrock Geology

Geological maps of the area classify the bedrock in the vicinity of the Phase One Property as predominantly limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group, Simcoe Group, and/or of the Shadow Lake Formation.

Based on a review of well records, bedrock is situated at a depth of 3.05 mbgs at the Phase One Property.

4.3 Fill Materials

Based on a review of aerial photographs, discussions with the Site Representative and observations made during the recent Site reconnaissance, it is Egis' opinion that fill material of unknown quality has not been

brought to the Site to facilitate any development including for the current slab-on-grade Site Building or associated structures. Gravel imported to the Phase One Property for construction of the laneway would not be considered fill material, as it would not meet the definition of soil under O. Reg. 153/04 (as amended).

4.4 Hydrogeology

The Phase One Property is located within the Jock River watershed. On both a localized and regional scale, groundwater flow is expected to flow east towards the Jock River.

4.5 Water Bodies, Areas of Natural Significance & Ground Water Information

4.5.1 Water Bodies

The closest permanent waterbody to the Phase One Property is the Jock River, located approximately 1.0 km east of the Site at its closest point.

4.5.2 Areas of Natural Significance

The Phase One Property and Phase One Study Area were not located within the following:

- A provincial park or conservation reserve under the Provincial Park Act, 2006;
- An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance;
- An area designated by a municipality in its official plan as being environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant;
- An area designated as an escarpment natural area of an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act;
- An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species;
- An area which is habitat of a species that is classified under section 7 of the Endangered Species Act, 2007 as a threatened or endangered species;
- Property within an area designated as a natural core area of natural linkage within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies; or
- An area set apart as a wilderness area under the Wilderness Areas Act.

It is noted, Richmond Fen, a provincially significant wetland, is located approximately 215 m west of the Site at its closest point. As such, the Phase One Property and Phase One Study Area are considered to contain an Area of Natural Significance, however, as this provincially significant wetland is located greater than 30 m in separation distance from the Phase One Property, the Phase One Property would not be considered a sensitive site.

4.6 Well Records

As part of the ERIS database search, twelve (12) WWIS records were found within the Phase One Study Area, one (1) of which pertained to the Phase One Property. The details of the WWIS records are summarized in following table.

Water Well Information System				
Well ID	**Location**	**Stratigraphy (mbgs)**	**Depth to Bedrock (mbgs)**	**Depth to Water Table (mbgs)**
7318079	On-Site	0 to 3.05 – Sandy clay 3.05 to 52.12 – Grey limestone 52.12 to 60.96 – Grey sandstone	3.05	22.25
1502409	Georeferenced to 6640 Franktown Road (approximately 75 m north of the Site)	0.00 to 2.43 – Clay loam 2.43 to 19.81 - Sandstone	2.43	18.29
1502410	Georeferenced to 6644 Franktown Road (approximately 30 m north of the Site)	0 to 6.10 – Loam and Boulders 6.10 to 6.71 – Gravel	>6.71	6.71
1515832	Georeferenced to 6653 Franktown Road (approximately 95 m northwest of the Site)	0 to 3.66 – Sand 3.66 to 19.51 – Limestone	3.66	18.90
1516119	Georeferenced to 6651 Franktown Road (approximately 85 m west of the Site)	0 to 4.57 – Sand 4.57 to 35.05 – Limestone	4.57	31.09
1534476	Georeferenced to 6659 Franktown Road (approximately 95 m west of the Site)	0 to 1.83 – Backfill topsoil 1.83 to 54.86 – Grey limestone and sandstone	1.83	52.7
1536384	Georeferenced to 6659 Franktown Road (approximately 85 m west of the Site)	0 to 8.23 – Sand boulders 8.23 to 36.57 – Grey Limestone 36.57 to 49.98 – Grey Sandstone	8.23	13.11
1536667	Georeferenced to 6659 Franktown Road (approximately 45 m west of the Site)	Not Listed	Not listed	Not Listed
7047631	Georeferenced to 6659 Franktown Road	0 to 1.52 – Sandy Clay 1.52 to 43.28 – Limestone	1.52	40.54

Water Well Information System				
Well ID	**Location**	**Stratigraphy (mbgs)**	**Depth to Bedrock (mbgs)**	**Depth to Water Table (mbgs)**
	(approximately 85 m west of the Site)			
7108135	Georeferenced to 6659 Franktown Road (approximately 85 m west of the Site)	0 to 0.91 – Sand 0.91 to 30.47 – Grey limestone	0.91	25
7108150	Georeferenced to 6659 Franktown Road (approximately 85 m west of the Site)	0 to 13.41 – Sand and gravel boulders 13.41 to 49.24 – Limestone 49.24 to 54.8 – Sandstone	13.41	28.95
7248774	Georeferenced to 6685 Franktown Road (approximately 50 m west of the Site)	0 to 4.88 – Clay 4.88 to 30.48 – Grey limestone 30.48 to 42.67– White sandstone with grey limestone	4.88	39.62

The nature of these wells was either for water supply, abandoned or unspecified. Based on the locations of these wells, it is anticipated that groundwater is used as a source of potable water within the Phase One Study Area.

A copy of the ERIS report is provided in Appendix B.

5.0 INTERVIEWS

Egis personnel conducted an interview at the time of the Site reconnaissance with Venerable Miao, a Buddhist Monk/Constriction and Maintenance Coordinator for the Phase One Property (hereafter referred to as the Site Representative). This interview was completed in order to obtain information about the Site and surrounding area pertaining to items of actual and/or potential environmental concern.

Note that statements made by those interviewed were not made categorically and are limited to personal knowledge of, and experience with, the Site. The significance of environmental concerns that have been identified by other methods was not reduced based on the interview statements.

6.0 SITE RECONNAISSANCE

The objectives of the Site reconnaissance were as follows:

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

Egis had open and ready access to all interior and exterior areas of the Phase One Property and faced no access restrictions during the Site reconnaissance.

6.1 General Requirements

Egis conducted the Site reconnaissance on January 16, 2025 between 10 and 11:00 am. Rebecca Leduc of Egis inspected all areas of the Phase One Property and observed other properties within in the Phase One Study Area from publicly accessible locations.

Weather conditions at the time of the Site visit were overcast a with a temperature of -6 degrees Celsius, and the ground surface was lightly snow covered, limiting exterior observations.

6.1.1 Use of the Phase One Property

During the recent Site reconnaissance, the Phase One Property was developed with a single-storey slab-on-grade institutional building occupied by Fo Guang Shan Temple. Observations within the Site Building revealed a temple area, three (3) bathrooms, two (2) offices, a large library space and a maintenance room. Immediately north of the Site Building was a portable trailer that was used as a kitchen facility wherein food was prepared and stored. Surrounding the Site Building was garden area with two (2) greenhouses, three (3) shipping storage containers used for miscellaneous storage, a general storage shed, a playground with a basketball court, asphalt paved parking areas and laneways, and perimeter landscaping.

Heating and cooling are provided to the Site Building by a propane-fired heating, ventilation, and air conditioning unit. Supplemental heat to the Site Building is provided by electrically powered baseboard heaters. Additionally, heat is provided to the portable kitchen facility by propane-fired suspended heating units. The propane AST used to heat and cool the Site Building was noted immediately west of the Site Building, while propane used to heat the kitchen facility was located in ASTs situated immediately east of the kitchen trailer.

No major operation or maintenance areas were noted on the Phase One Property.

The Phase One Property was not used for industrial purposes, as a garage or bulk liquid dispensing unit, and was not utilized for the operation of dry-cleaning equipment during the Site reconnaissance.

6.1.2 Qualifications of the Assessors

Field assessment this report was conducted by Rebecca Leduc, M.Sc. of Egis. Rebecca has over four years experience conducting field investigations and reporting for numerous Phase I/One and II/Two ESAs for a variety of industrial, commercial, institutional, and residential Sites across Ontario.

Reporting for the Phase One ESA was undertaken by Michael Thivierge of Egis. Michael has 4.5 years experience completing and managing Phase One and Phase Two ESAs and remediation programs for a variety of industrial, commercial and residential properties across Ontario.

Senior review was undertaken by Melissa Gallagher, P.Eng. Ms. Gallagher is a licensed professional engineer in Ontario and a Qualified Person (QP) under O. Reg. 153/04 (as amended) and has over 13 years of experience conducting and managing Phase I/One and II/Two ESAs, remediation programs and environmental peer reviews in connection with properties across Ontario.

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

6.1.3 Site Photographs

Photographs of the Phase One Property are included in Appendix D. A brief description is included with each photograph, including location and orientation where applicable.

6.2 Specific Observations at the Phase One Property

6.2.1 Structures and Other Improvements

The Phase One Property was developed with a single-storey slab-on-grade structure (Site Building) which contained a temple space with a library, three (3) bathrooms, two (2) offices, and a maintenance room. Surrounding the Site Building was a portable trailer used as a kitchen, two (2) portable sea containers and a storage shed. The area that surrounds the Site Building was improved with a gravel-based driveway, asphalt paved parking areas, recreational areas and vacant forest land.

6.2.2 Below Ground Structures

No below ground structures were noted or expected on the Phase One Property.

6.2.3 Storage Tanks

During the recent Site reconassiance, Egis did not observe any fixed tank containing liquid fuels or wastes. However, Egis did observe three (3) propane ASTs: a 500-gallon propane AST that supplies propane to the Site Building located immediately west of the Site Building, and two (2) 250-gallon propane ASTs that supply propane to the kitchen trailer located immediately east of the kitchen trailer. The presence of these propane ASTs on the Phase One Property is not considered to be a PCA and therefore does not constitute an APEC in relation to the Site.

No evidence of historical ASTs or USTs were noted during the recent Site reconnaissance, and none are expected.

6.2.4 Hazardous Materials

Hazardous materials were not observed on the Phase One Property during the Site reconnaissance.

6.2.5 Potable and Non-Potable Water Sources

According to the Site Representative potable water is provided to the Site by a drilled water supply well (Ontario Well Tag #A252856). A search of this well tag on the Ontario Well Records database revealed this well to be water supply well and to be 60.96 m in depth.

6.2.6 Underground Utilities

Service trenches are expected to be between the water supply well, septic system and electrical transformer. The propane AST and hook up area for the AST used to supply propane to the Site Building was noted along the western side of the Site Building. Propane utility lines to the kitchen facility are aboveground.

6.2.7 Exit and Entry Points

Entrance and exit points to Site are located along a gravel driveway towards Franktown Road, along the western portion of the Phase One Property.

6.2.8 Existing and Former Heating Systems

Based on observations made during the recent Site reconnaissance and discussions with the Site Representative, heating to the Site Building is provided by a propane-fired pad-mounted HVAC unit located to the north exterior of the Site Building. Supplemental heat is provided to the Site Building by electrically powered base board heaters. Heat to the kitchen trailer is provided by propane fired suspended heating units.

No evidence of historical heating systems or fuel storage was observed during the Site reconnaissance.

6.2.9 Cooling Systems

Based on observations made during the Site reconnaissance and discussions with the Site Representative, cooling to the Site Building is provided by propane-fired pad-mounted HVAC unit located to the north exterior of the Site Building. Cooling is not provided to the kitchen trailer.

No evidence of historical cooling systems was observed during the Site reconnaissance.

6.2.10 Drains, Pits, and Sumps

Floor drains were observed in all three (3) bathrooms and within the maintenance room of the Site Building. Two (2) other exterior drains were observed on the concrete pack northeast of the Site Building. All drains are anticipated to be discharged into the septic system.

6.2.11 Unidentified Substances

No unidentified substances were observed at the Phase One Property during the Site reconnaissance.

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

No staining or corrosion was observed near drains, pits or sumps on the Phase One Property during the Site reconnaissance.

6.2.13 Well Details

A water supply well (Ontario Well Tag #A252856) was noted on the Phase One Property. A search of the well tag on the Ontario Well Records database revealed that this well was installed as a water supply well in 2018. Additional observations during the Site reconnaissance revealed two (2) monitoring wells located along the gravel-based driveway. These monitoring wells were installed for geotechnical purposes prior to the development of the Site Building.

6.2.14 Details of Sewage Works

All sewage wastes and wastewater generated on Site is directed towards the septic system. According to the Site Representative, the septic tank and associated field is located immediately west of the Site Building.

6.2.15 Ground Surface Details

The area that surrounds the Site Building is improved with a gravel-based driveway, asphalt paved parking areas, recreational areas and vacant forest land.

6.2.16 Current and Former Railway Lines

No evidence of former railway lines or current railway lines were observed on the Phase One Property during the Site reconnaissance.

6.2.17 Staining to Soil, Vegetation, or Pavement

During the recent Site reconassiance, the ground surface was snow covered, limiting observations of potential staining to soil, vegetation or pavement, however, based on the recorded activities that take place on the Site, staining to soil, vegetation and/or pavement is not expected.

6.2.18 Stressed Vegetation

During the recent Site reconassiance, the ground surface was snow covered, limiting observations of stressed vegetation. Based on the recorded activities that occur on the Site, stressed vegetation is not expected.

6.2.19 Fill and Debris

During the recent Site reconassiance, fill or debris material was not encountered. Based on a review of aerial photographs, discussions with the Site Representative and observations made during the recent Site reconnaissance, it is Egis' opinion that fill material of unknown quality has not been brought to the Site to facilitate any development including for the current slab-on-grade Site Building and associated structures.

6.2.20 Potentially Contaminating Activities

According to the Site Representative, the application of salt is conducted on the gravel-based driveway on the exterior of the Phase One Property for pedestrian and vehicular safety during winter months. This salt usage is considered to be a PCA that represents an APEC in relation to the Phase One Property.

In addition, a pad mounted oil-cooled transformer was noted along the western portion of the Site adjacent to Franktown Road. The presence of an oil-cooled transformer on the Phase One Property is considered to be a PCA that represents an APEC in relation to the Site.

No other PCAs were observed on the Phase One Property during the Site reconnaissance.

6.3 Specific Observations in the Phase One Study Area

6.3.1 Potentially Contaminating Activities

No PCAs were identified within the Phase One Study Area.

6.3.2 Potable Water Wells

Egis noted a total of twelve (12) well records were listed in the WWIS database searched by ERIS. The nature of these wells was either for water supply, abandoned or were not listed. Based on the location of these wells, it is anticipated that they are currently in use as water supply wells. As such, the area is defined as a potable groundwater condition. No wells were observed within the Phase One Study Area during the recent Site reconnaissance.

6.3.3 Water Bodies

The closest permanent waterbody to the Phase One Property is the Jock River, located approximately 1.0 km east of the Site at its closest point.

6.3.4 Areas of Natural Significance

The Phase One Property and Phase One Study Area were not located within the following:

- A provincial park or conservation reserve under the Provincial Park Act, 2006;
- An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance;
- An area designated by a municipality in its official plan as being environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant;
- An area designated as an escarpment natural area of an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act;
- An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species;
- An area which is habitat of a species that is classified under section 7 of the Endangered Species Act, 2007 as a threatened or endangered species;
- Property within an area designated as a natural core area of natural linkage within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies; or
- An area set apart as a wilderness area under the Wilderness Areas Act.

It is noted, Richmond Fen, a provincially significant wetland, is located approximately 215 m west of the Site at its closest point. As such, the Phase One Property and Phase One Study Area are considered to contain an Area of Natural Significance, however, as this provincially significant wetland is located greater than 30 m in separation distance from the Phase One Property, the Phase One Property is not considered to be a sensitive site.

6.4 Written Description of Investigation

The Phase One Property was observed to be developed with a single storey slab-on-grade institutional structure (Site Building), which contained a temple space with a library, three (3) bathrooms, two (2) offices, and a maintenance room. Surrounding the Site Building is a portable trailer used as a kitchen, two (2) portable sea containers and a storage shed.

6.4.1 Proposed Change in Land Use

It is understood that the client has potential future plans to redevelop the Phase One Property with a institutionall building. While this proposed change in land use does not represent a change to a more

sensitive land use, it is our understanding that a Phase One ESA in accordance with O. Reg. 153/04 (as amended) is required as part of the City of Ottawa's City of Ottawa's Site Plan Control application process.

6.4.2 Areas of Potential Environmental Concern

During the recent Site reconnaissance, a Representative from the Phase One Property indicated that road salt is applied to the parking lot areas at the Phase One Property on a seasonal basis for snow and ice management purposes. Given that the use of road salt at the Phase One Property is conducted for the safety of vehicular or pedestrian traffic under conditions of snow or ice (or both), salt-related parameters (i.e., EC, SAR, sodium and chloride) are not considered to be COPCs at the Phase One Property as per Section 49.1 of O. Reg. 153/04 (as amended).

A pad mounted oil cooled transformer was noted along the western portion of the Site adjacent to Franktown Road. To comply with O. Reg 153/04 the presence of the oil-cooled transformer is considered to be an on-Site PCA, which constitutes an APEC in relation to the Phase One Property. However, it is Egis' opinion that the presence of the oil-cooled transformers is low risk relative to the ongoing use of the Site for institutional purposes. Given that this report was prepared to support a City of Ottawa Site Plan Control application, which does not require the filing of a Record of Site Condition, it is our opinion that subsurface investigation is not required to assess this APEC at this time.

No additional PCAs were identified during the Site reconnaissance that resulted in APECs at the Phase One Property.

6.4.3 Potable Wells within the Phase One Study Area

Egis noted a total of twelve (12) well records were listed in the WWIS database searched by ERIS. The nature of these wells was either for water supply or were not listed. Of all listings, all were identified as water supply. Based on the location of these wells, it is anticipated that they are currently in use as water supply wells. As such, the area is defined as a potable groundwater condition. No wells were observed within the Phase One Study Area during the recent Site reconnaissance.

7.0 REVIEW AND EVALUATION OF INFORMATION

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

7.1 Current and Past Uses of Phase One Property

A chain of title was not conducted as part of the Phase One ESA investigation. As such a table summarizing the land use history of the Site was not completed. It is our understanding that, prior to the current use of the Phase One Property as an institutional property, the Phase One Property was part of a larger parcel of undeveloped forested between land, as depicted in aerial photographs dated prior to 2002.

7.2 Potentially Contaminating Activities

A total of two (2) PCAs were identified within the Phase One Study Area, both of which were located on the Phase One Property. A summary of these PCAs is provided in the following table.

Potentially Contaminating Activities						
No.	**PCA[1]**	**Location**	**Up-Gradient (Yes/No)**	**Proximity to Phase One Property**	**Source Information**	**Considered an APEC (Yes/No: Why)**
1	None: "Application of Road Salt to the Site Exterior" (application of road salt to paved walkways, roadways and parking lots for management of snow or ice or both for vehicular and pedestrian safety)	Asphalt and concrete paved laneways, parking spaces, walkways and recreational areas.	N/A	On-Site	Information provided by Site Representative	**YES**
2	Item 55: "Transformer Manufacturing, Processing and Use" (Pad-mounted oil-cooled transformer)	Western portion of the Phase One Property	N/A	On-Site	Site reconnaissance	**YES**

1: Table 2, Potentially Contaminating Activities, Schedule D, O.Reg. 153/04

The locations of the above-noted PCAs are shown on Figure 5.

7.3 Areas of Potential Environmental Concern

Two (2) APECs were identified at the Phase One Property. A summary of these APECs is provided in the following table.

Areas of Potential Environmental Concern					
Area of Potential Environmental Concern	**Location of Area of Potential Environmental Concern on Phase One Property**	**Potentially Contaminating Activity**	**Location of PCA (on-Site or off-Site)**	**Contaminants of Potential Concern**	**Media Potentially Impacted (Groundwater, soil and/or sediment)**
APEC #1	Asphalt and concrete paved laneways, parking spaces, walkways and recreational areas.	None: "Application of Road Salt to the Site Exterior)	On-Site	EC, SAR, Sodium and Chloride	Soil and Groundwater
APEC #2	Western portion of the Phase One Property	Item 55: "Transformer Manufacturing, Processing and Use"	On-Site	PHCs (F1-F4), PCBs, BTEX & PAHs	Soil

The locations of the above listed APECs are included in Figure 6.

7.4 Conceptual Site Model

A Phase One Conceptual Site Model (CSM) provides a summary of environmental conditions at the Site, as identified through the completion of a Phase One ESA. The purpose of the CSM is to identify the location and nature of all PCAs within the Phase One Study Area, including the Phase One Property, and to determine whether these potentially contaminating activities (PCAs) result in areas of potential environmental concern (APECs) in relation to the Phase One Property. The Phase One CSM is presented in Figures 1 through 6 and present the following information:

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

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

7.4.1 Existing Buildings and Structures

7.4.1.1 Structures and Other Improvements

The Phase One Property was observed to be developed with a single storey slab-on-grade structure (Site Building) which contained a temple space with a library, three (3) bathrooms, two (2) offices, and a maintenance room. Surrounding the Site Building was a portable trailer used as a kitchen, two (2) portable sea containers and a storage shed. The area that surrounds the Site Building was improved with a gravel-based driveway, asphalt paved parking areas, recreational areas and vacant forest land.

7.4.1.2 Below Ground Structures

No below ground structures were noted on the Phase One Property.

7.4.1.3 Water Bodies

The closest permanent waterbody to the Phase One Property is the Jock River, located approximately 1.0 km east of the Site at its closest point.

7.4.2 Areas of Natural Significance

The Phase One Property and Phase One Study Area were not located within the following:

- A provincial park or conservation reserve under the Provincial Park Act, 2006;
- An area of natural and scientific interest (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance;
- An area designated by a municipality in its official plan as being environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being ecologically significant;
- An area designated as an escarpment natural area of an escarpment protection area by the Niagara Escarpment Plan under the Niagara Escarpment Planning and Development Act;
- An area identified by the Ministry of Natural Resources as significant habitat of a threatened or endangered species;
- An area which is habitat of a species that is classified under section 7 of the Endangered Species Act, 2007 as a threatened or endangered species;
- Property within an area designated as a natural core area of natural linkage within the area to which the Oak Ridges Moraine Conservation Plan under the Oak Ridges Moraine Conservation Act, 2001 applies; or
- An area set apart as a wilderness area under the Wilderness Areas Act.

It is noted, Richmond Fen, a provincially significant wetland, is located approximately 215 m west of the Site at its closest point. As such, the Phase One Property and Phase One Study Area are considered to contain an Area of Natural Significance, however, as this provincially significant wetland is located greater than 30 m in

separation distance from the Phase One Property, the Phase One Property is not considered to be a sensitive site.

7.4.3 Water Wells

As part of the ERIS database search, twelve (12) WWIS records were found within the Phase One Study Area, none of which pertained to the Phase One Property. The details of the WWIS records are summarized in following table.

Water Well Information System				
Well ID	**Location**	**Stratigraphy (mbgs)**	**Depth to Bedrock (mbgs)**	**Depth to Water Table (mbgs)**
7318079	On-Site	0 to 3.05 – Sandy clay 3.05 to 52.12 – Grey limestone 52.12 to 60.96 – Grey sandstone	3.05	22.25
1502409	Georeferenced to 6640 Franktown Road (approximately 75 m north of the Site)	0.00 to 2.43 – Clay loam 2.43 to 19.81 - Sandstone	2.43	18.29
1502410	Georeferenced to 6644 Franktown Road (approximately 30 m north of the Site)	0 to 6.10 – Loam and Boulders 6.10 to 6.71 – Gravel	>6.71	6.71
1515832	Georeferenced to 6653 Franktown Road (approximately 95 m northwest of the Site)	0 to 3.66 – Sand 3.66 to 19.51 – Limestone	3.66	18.90
1516119	Georeferenced to 6651 Franktown Road (approximately 85 m west of the Site)	0 to 4.57 – Sand 4.57 to 35.05 – Limestone	4.57	31.09
1534476	Georeferenced to 6659 Franktown Road (approximately 95 m west of the Site)	0 to 1.83 – Backfill topsoil 1.83 to 54.86 – Grey limestone and sandstone	1.83	52.7
1536384	Georeferenced to 6659 Franktown Road (approximately 85 m west of the Site)	0 to 8.23 – Sand boulders 8.23 to 36.57 – Grey Limestone 36.57 to 49.98 – Grey Sandstone	8.23	13.11
1536667	Georeferenced to 6659 Franktown Road (approximately 45 m west of the Site)	Not Listed	Not listed	Not Listed

Water Well Information System				
Well ID	**Location**	**Stratigraphy (mbgs)**	**Depth to Bedrock (mbgs)**	**Depth to Water Table (mbgs)**
7047631	Georeferenced to 6659 Franktown Road (approximately 85 m west of the Site)	0 to 1.52 – Sandy Clay 1.52 to 43.28 – Limestone	1.52	40.54
7108135	Georeferenced to 6659 Franktown Road (approximately 85 m west of the Site)	0 to 0.91 – Sand 0.91 to 30.47 – Grey limestone	0.91	25
7108150	Georeferenced to 6659 Franktown Road (approximately 85 m west of the Site)	0 to 13.41 – Sand and gravel boulders 13.41 to 49.24 – Limestone 49.24 to 54.8 – Sandstone	13.41	28.95
7248774	Georeferenced to 6685 Franktown Road (approximately 50 m west of the Site)	0 to 4.88 – Clay 4.88 to 30.48 – Grey limestone 30.48 to 42.67– White sandstone with grey limestone	4.88	39.62

The nature of these wells was either for water supply, abandoned or unspecified. Based off the location of these wells, it is anticipated that groundwater is used as a source of potable water within the Phase One Study Area.

7.4.4 Potentially Contaminating Activities

A total of two (2) PCAs were identified within the Phase One Study Area, both of which were located on the Phase One Property. A summary of these PCAs is provided in the following table.

Potentially Contaminating Activities						
No.	**PCA[1]**	**Location**	**Up-Gradient (Yes/No)**	**Proximity to Phase One Property**	**Source Information**	**Considered an APEC (Yes/No: Why)**
1	None: "Application of Road Salt to the Site Exterior" (application of road salt to paved walkways, roadways and parking lots for management of snow or ice	Asphalt and concrete paved laneways, parking spaces, walkways and	N/A	On-Site	Information provided by Site Representative	**YES**

Potentially Contaminating Activities						
No.	**PCA[1]**	**Location**	**Up-Gradient (Yes/No)**	**Proximity to Phase One Property**	**Source Information**	**Considered an APEC (Yes/No: Why)**
	or both for vehicular and pedestrian safety)	recreational areas.				
2	Item 55: "Transformer Manufacturing, Processing and Use" (Pad-mounted oil-cooled transformer)	Western portion of the Phase One Property	N/A	On-Site	Site reconnaissance	**YES**

1: Table 2, Potentially Contaminating Activities, Schedule D, O.Reg. 153/04

The locations of the above-noted PCAs are shown on Figure 5.

7.4.5 Contaminants of Potential Concern

Based on the on-site PCAs, two (2) APECs were identified at the Phase One Property. The contaminants of potential concern (COPCs) for the APECs identified at the Phase One Property are as follows:

- APEC-#1 N/A – "Application of Road Salt to the Site Exterior" (application of road salt to the exterior of the Phase One Property for snow and ice management) – EC, SAR, Sodium and Chloride; and
- APEC - #2 Item 55 "Transformer Manufacturing, Processing and Use" - PHCs (F1-F4), PCBs, BTEX and PAHs.

Given that the COPCs associated with APEC #1 are related to the application of road salt for the safety of vehicular or pedestrian traffic under conditions of snow or ice (or both), salt-related parameters (i.e., EC, SAR, sodium and chloride) are not considered to be COPCs at the Phase One Property as per Section 49.1 of O. Reg. 153/04 (as amended).

7.4.6 Underground Utilities

Service trenches are expected to be between the water supply well, septic system and electrical transformer. The propane AST and hook up area for the AST used to supply propane to the Site Building was noted along the western side of the Site Building. Propane utility lines to the kitchen facility are aboveground.

7.4.7 Geology

7.4.7.1 Surficial Geology

Geological maps of the area classify the overburden at the Phase One Property coarse-textured glaciomarine deposits, including sand, gravel, and minor silt and clay.

7.4.7.2 Bedrock Geology

Geological maps of the area classify the bedrock in the vicinity of the Phase One Property as predominantly limestone, dolostone, shale, arkose, and sandstone of the Ottawa Group, Simcoe Group, and/or of the Shadow Lake Formation.

Based on a review of well records in the Phase One Study Area, bedrock is situated at a depth of 3.05 mbgs.

7.4.8 Hydrogeology

The Phase One Property is located within the Jock River watershed. On both a localized and regional scale, groundwater flow is expected to flow east towards the Jock River.

7.4.9 Validity of the Conceptual Site Model

To Egis' knowledge, no additional information is available with respect to the Phase One Study Area and Phase One Property and there is no uncertainty around the information that has been reviewed as part of this Phase One ESA that would affect the validity of this Phase One ESA.

7.4.10 Application of Exemption in Section 49.1 of O. Reg. 153/04 (as amended)

During the Site reconnaissance, a Representative from the Phase One Property indicated that road salt is applied to the parking lot areas at the Phase One Property on a seasonal basis for snow and ice management purposes. Given that the use of road salt at the Phase One Property is conducted for the safety of vehicular or pedestrian traffic under conditions of snow or ice (or both), salt-related parameters (i.e., EC, SAR, sodium and chloride) are not considered to be COPCs at the Phase One Property as per Section 49.1 of O. Reg. 153/04 (as amended). As such, evaluation of potential salt-related impacts within the subsurface is not considered to be warranted in any potential Phase Two ESA investigation.

8.0 CONCLUSIONS

8.1 Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

Two (2) PCAs were identified within the Phase One Study Area, both of which are located on the Phase One Property and therefore are considered to represent APECs in relation to the Phase One Property. The identified APECs are as follows:

- APEC #1 – N/A "Application of Road Salt to the Site Exterior". During the Site reconnaissance, a Representative from the Phase One Property indicated that road salt is applied to the parking lot areas and pedestrian walkways at the Phase One Property on a seasonal basis for snow and ice management purposes. Given that the use of road salt at the Phase One Property is conducted for the safety of vehicular or pedestrian traffic under conditions of snow or ice (or both), salt-related parameters (i.e., EC, SAR, sodium and chloride) are not considered to be COPCs at the Phase One Property as per Section 49.1 of O. Reg. 153/04 (as amended); and
- APEC #2 – Item 55: "Transformer Manufacturing, Processing and Use". A pad-mounted oil-cooled transformer was observed on the western portion of the Site adjacent to Franktown Road.

The findings of the Phase One ESA identified two (2) APECs. Of note, a pad-mounted oil-cooled transformer along the western portion of the Site adjacent to Franktown Road. Given the current and future intended rural institutional land use for the Site, it is Egis' opinion that the presence of the pad-mounted oil-cooled transformer is of low environmental risk, and as a Record of Site Condition is not intended to be filed for the Site at this time, a subsurface investigation is not recommended at the Phase One Property to continue to operate as-is.

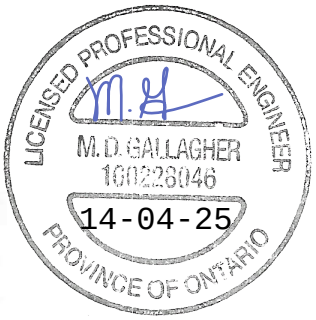
However, in order for this Phase One ESA to comply with O. Reg 153/04 (as amended) and or O. Reg 406/19 (as amended), if the Phase One Property is to be redeveloped in the future to a more sensitive land use, or if any excess soil is to be generated during any future development, a Phase Two ESA and/or subsurface investigation will be required.

8.2 Signatures

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

Respectfully submitted,

Egis,



Michael Thivierge, B.Sc.
Environmental Scientist

Melissa Gallagher, P.Eng., QP_{ESA}
Practice Area Lead – Contaminated Sites (GTHA)

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9.0 LIMITATIONS

This report has been prepared, and the work referred to in this report has been undertaken by, Egis for the Client. It is intended for the sole, and exclusive use of the Client with respect to the stated purpose of the work carried out by Egis.

The report may not be relied upon by any other person or entity without the express written consent of Egis. Any use which a third party makes of this report, or any reliance on decisions made based on it, without a Reliance Letter, are the responsibility of such third parties. Egis accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report or the information contained within it.

The investigation undertaken by Egis with respect to this report and any conclusions or recommendations made in this report reflect Egis' judgment based on the Site conditions observed at the time of the Site investigations, inspections, and/or sampling on the date(s) set out in this report, and on information available at the time of the preparation of this report. Conditions such as ground cover, weather, physical obstructions, etc. may influence conclusions or recommendations made in this report. Egis does not certify or warrant the environmental status of the property.

This report has been prepared for specific application to this Site and it may be based, in part, upon visual observation of the Site, subsurface investigation at discrete locations and depths, and/or specific analysis of specific chemical parameters and materials during a specific time interval, all as described in this report. Unless otherwise stated, the findings cannot be extended to previous or future Site conditions, portions of the Site which were unavailable for direct investigation, Site locations, subsurface or otherwise, which were not investigated directly, or chemical parameters, materials, or analysis which were not addressed or performed. Substances other than those addressed by the investigation described in this report may exist at the Site, substances addressed by the investigation may exist in areas of the Site not investigated, and concentrations of substances addressed which are different than those reported may exist in areas other than the locations from which samples were taken.

If Site conditions or applicable standards change, or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations in this report may be necessary.

10.0 REFERENCES

Canadian Standards Association (CSA), Z768-01: Phase I Environmental Site Assessment, CSA International, Toronto, 2001 (Updated 2003, Reaffirmed 2022).

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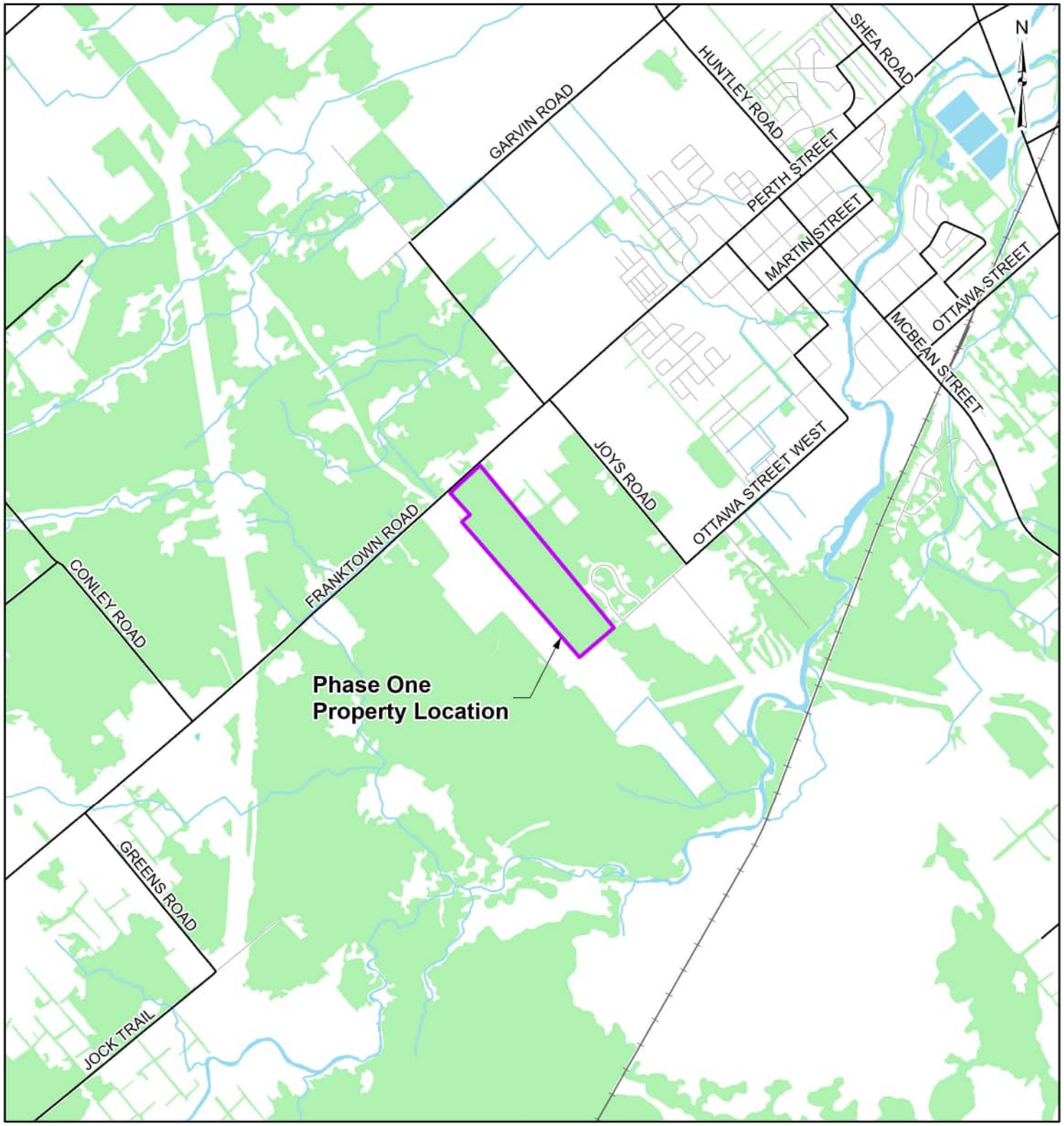
Ontario Ministry of the Environment, Conservation and Parks, Environmental Penalities Records. Source:

Opta, 2024. Standard Search Report Results.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

FIGURES



LEGEND

- Phase One Property
- Local Road
- Major Road
- Railroad
- Watercourse
- Waterbody
- Wooded Area

800 400 0 800

Scale 1:35,000 Metres

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2025.

CLIENT: INTERNATIONAL BUDDHIST PROGRESS SOCIETY OF OTTAWA – CARLETON

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT - 6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

TITLE: PHASE ONE PROPERTY LOCATION

egis
750 Palladium Dr, Suite 310, Kanata, ON K2V 1C7
Tel: 613-836-2184 Fax: 613-836-3742

PROJECT NO: CCO-25-4560		FIGURE:
Date	Jan., 22, 2025	1
GIS	CZ	
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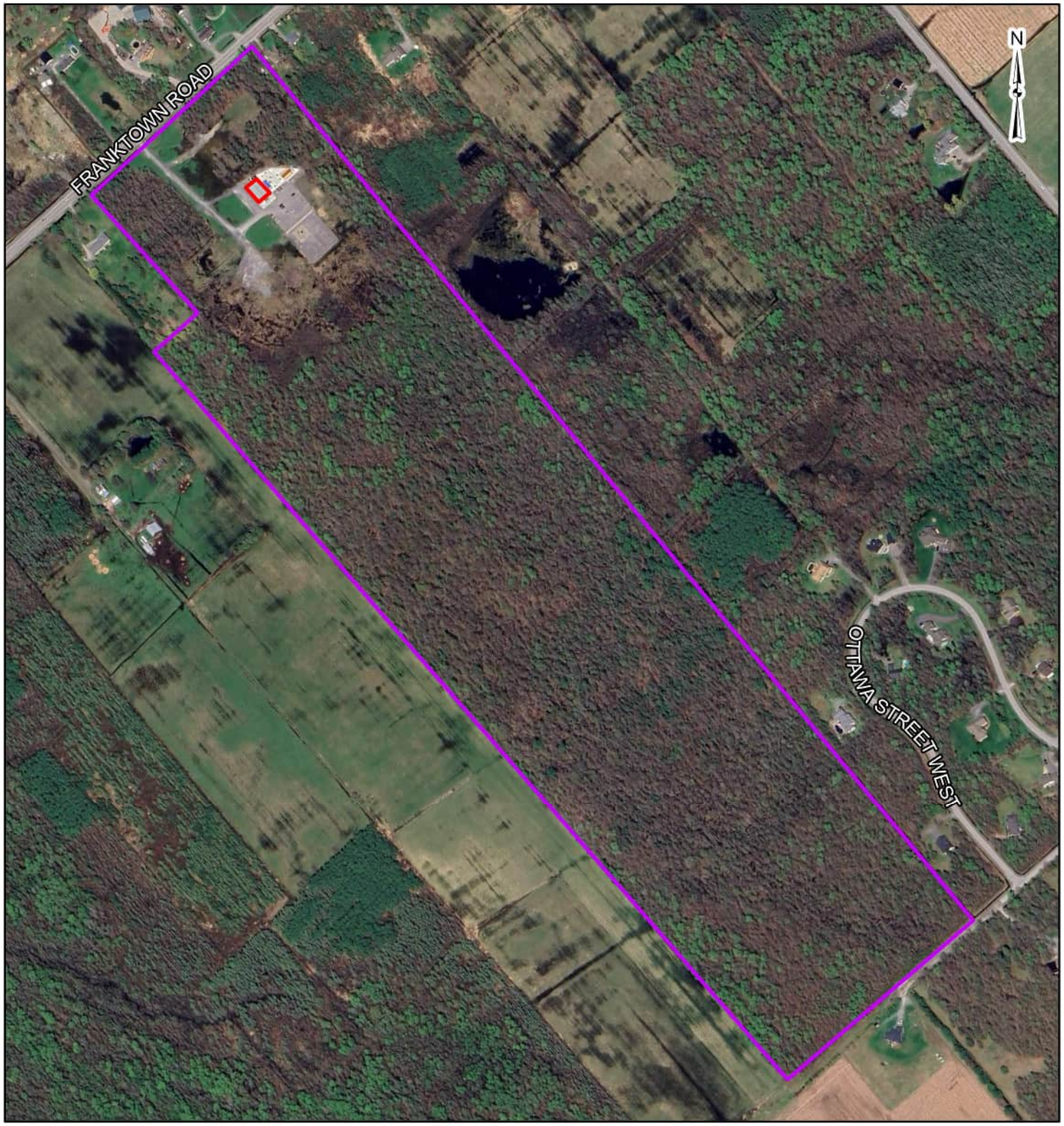

LEGEND

- Phase One Property
- Site Building

200 100 0 200

Scale 1:6,500 Metres

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2025.

CLIENT: INTERNATIONAL BUDDHIST PROGRESS SOCIETY OF OTTAWA – CARLETON

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT - 6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

TITLE: PHASE ONE PROPERTY LAYOUT

egis
750 Palladium Dr, Suite 310, Kanata, ON K2V 1C7
Tel: 613-836-2184 Fax: 613-836-3742

PROJECT NO:CCO-25-4560		FIGURE:
Date	Jan., 22, 2025	2
GIS	CZ	
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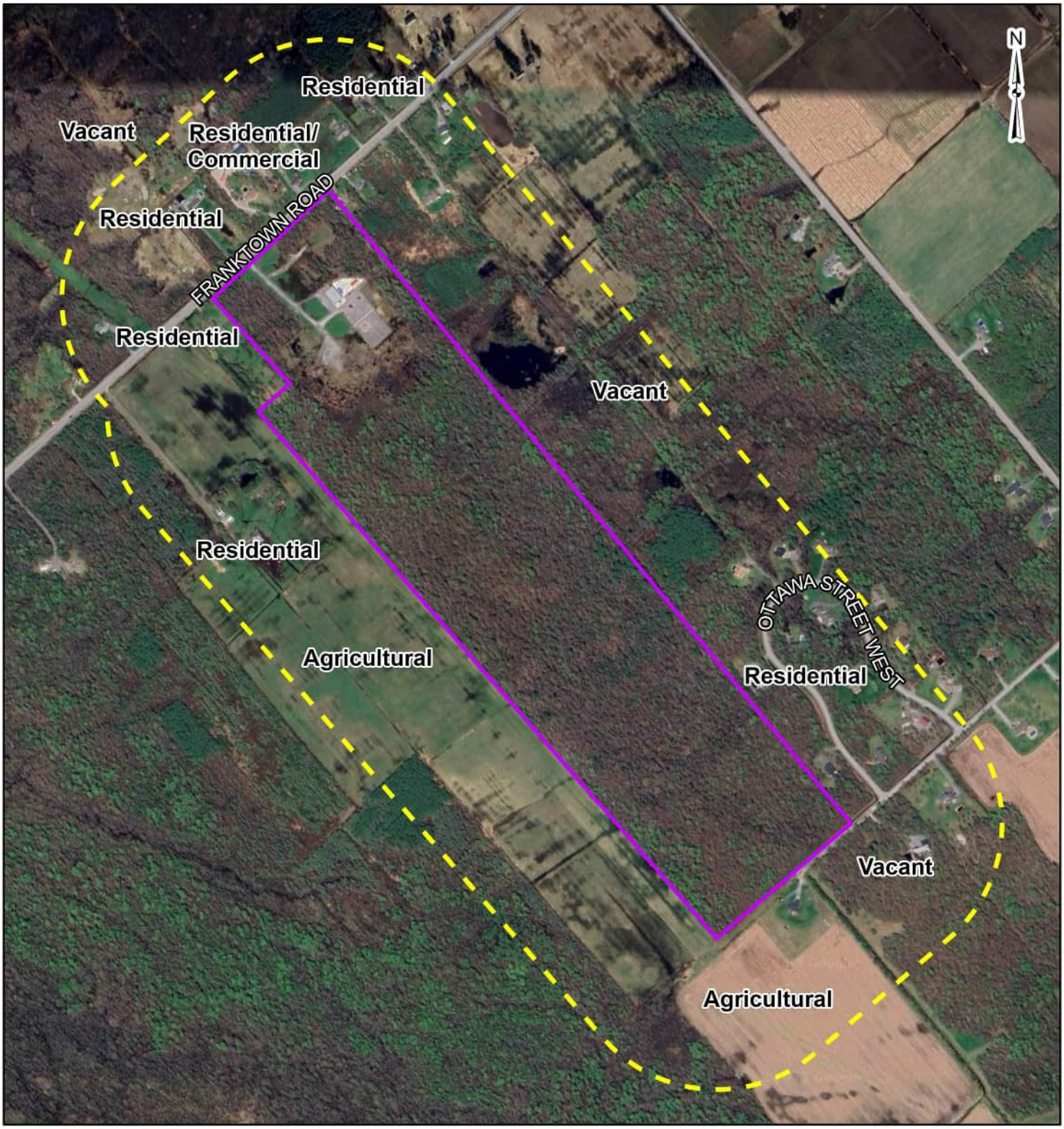

LEGEND

- Phase One Property
- 250 m Buffer

250 125 0 250

Scale 1:9,000 Metres

CLIENT: INTERNATIONAL BUDDHIST PROGRESS SOCIETY OF OTTAWA – CARLETON

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT - 6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

TITLE: PHASE ONE STUDY AREA

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2025.

egis
750 Palladium Dr, Suite 310, Kanata, ON K2V 1C7
Tel: 613-836-2184 Fax: 613-836-3742

PROJECT NO: CCO-25-4560	FIGURE: 3
Date	Jan., 22, 2025
GIS	CZ
Checked By	MT

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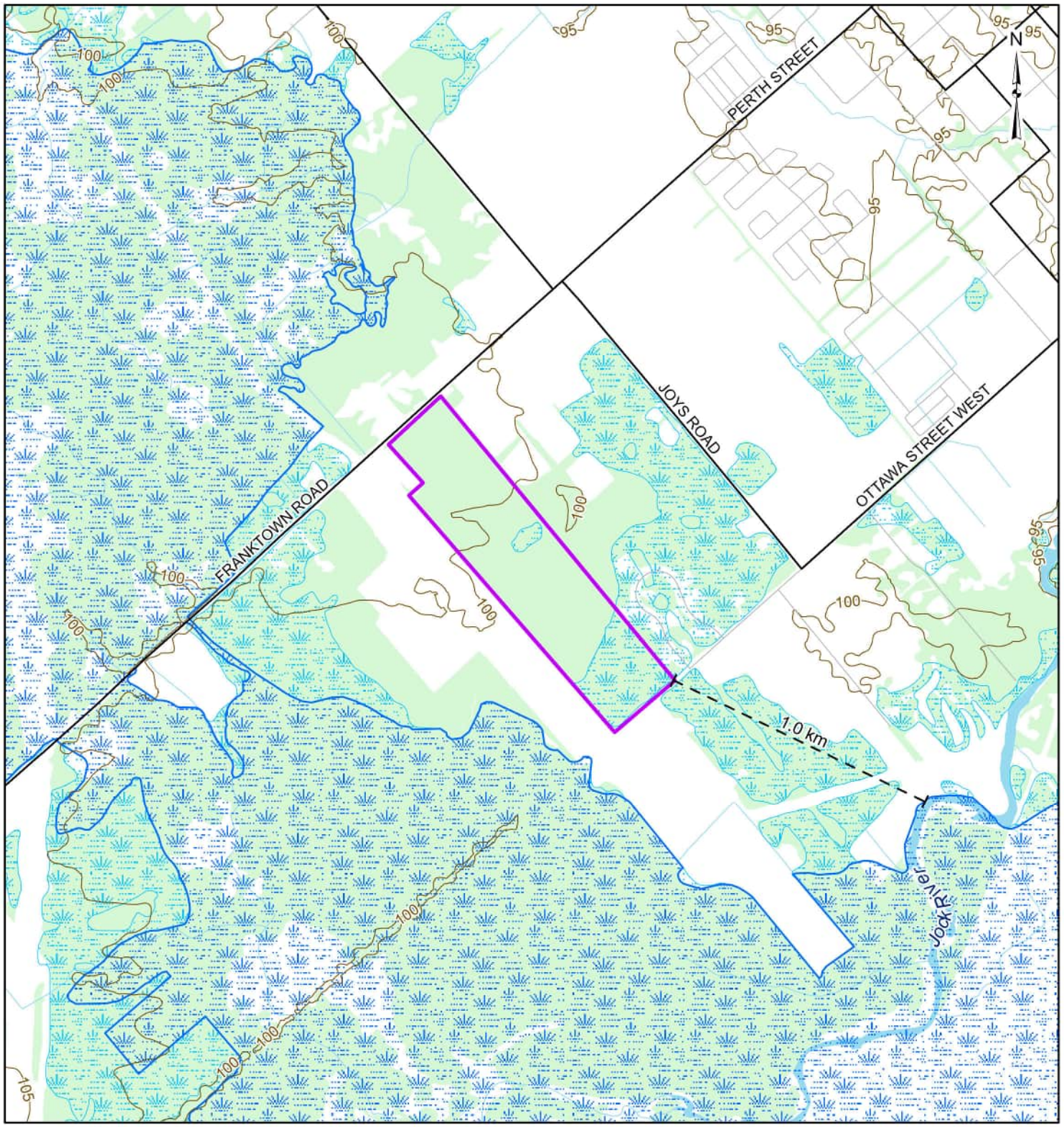


500 250 0 500

Scale 1:20,000 Metres

LEGEND

- Phase One Property
- Distance
- Unevaluated Wetland
- Provincially Significant Wetland
- Contour (masl)
- Watercourse
- Waterbody
- Wooded Area

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2025.

CLIENT: INTERNATIONAL BUDDHIST PROGRESS SOCIETY OF OTTAWA – CARLETON

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT - 6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

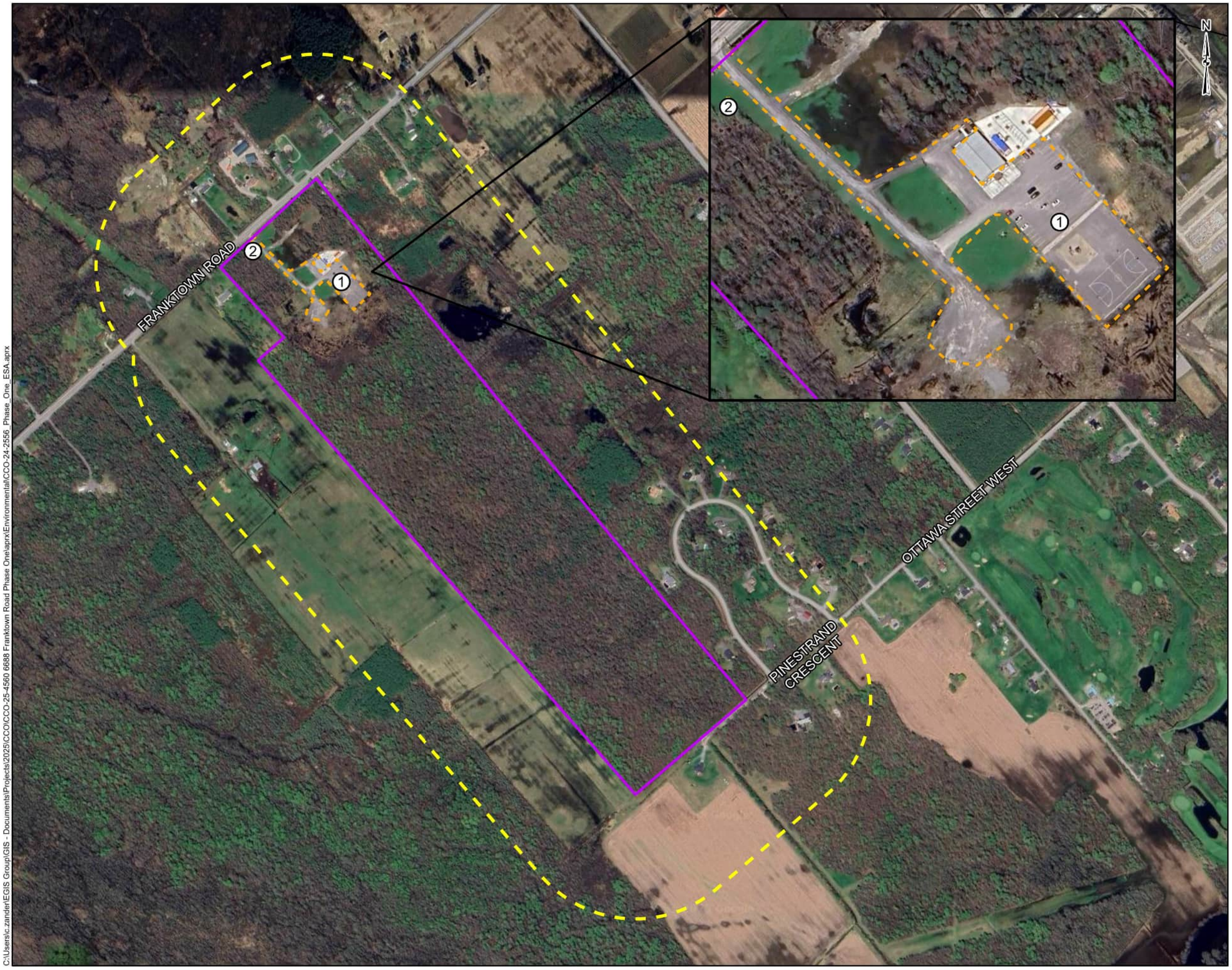
TITLE: DRAINAGE AND TOPOGRAPHY

egis
750 Palladium Dr, Suite 310, Kanata, ON K2V 1C7
Tel: 613-836-2184 Fax: 613-836-3742

PROJECT NO:	CCO-25-4560
Date	Jan., 22, 2025
GIS	CZ
Checked By	MT

FIGURE: 4

C:\Users\c.zander\EGIS Group\GIS - Documents\Projects\2025\CCO\CCO-25-4560 6688 Franktown Road Phase One\arcgis\Environmental\CCO-25-4560_Phase One_ESA.aprx



LEGEND

- Phase One Property
- 250 m Buffer
- ① PCA

Full PCA list provided in Section 7.2 of the Phase One ESA.

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2025.

200 100 0 200

Scale 1:7,500 Metres

CLIENT: INTERNATIONAL BUDDHIST PROGRESS SOCIETY OF OTTAWA – CARLETON

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT - 6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

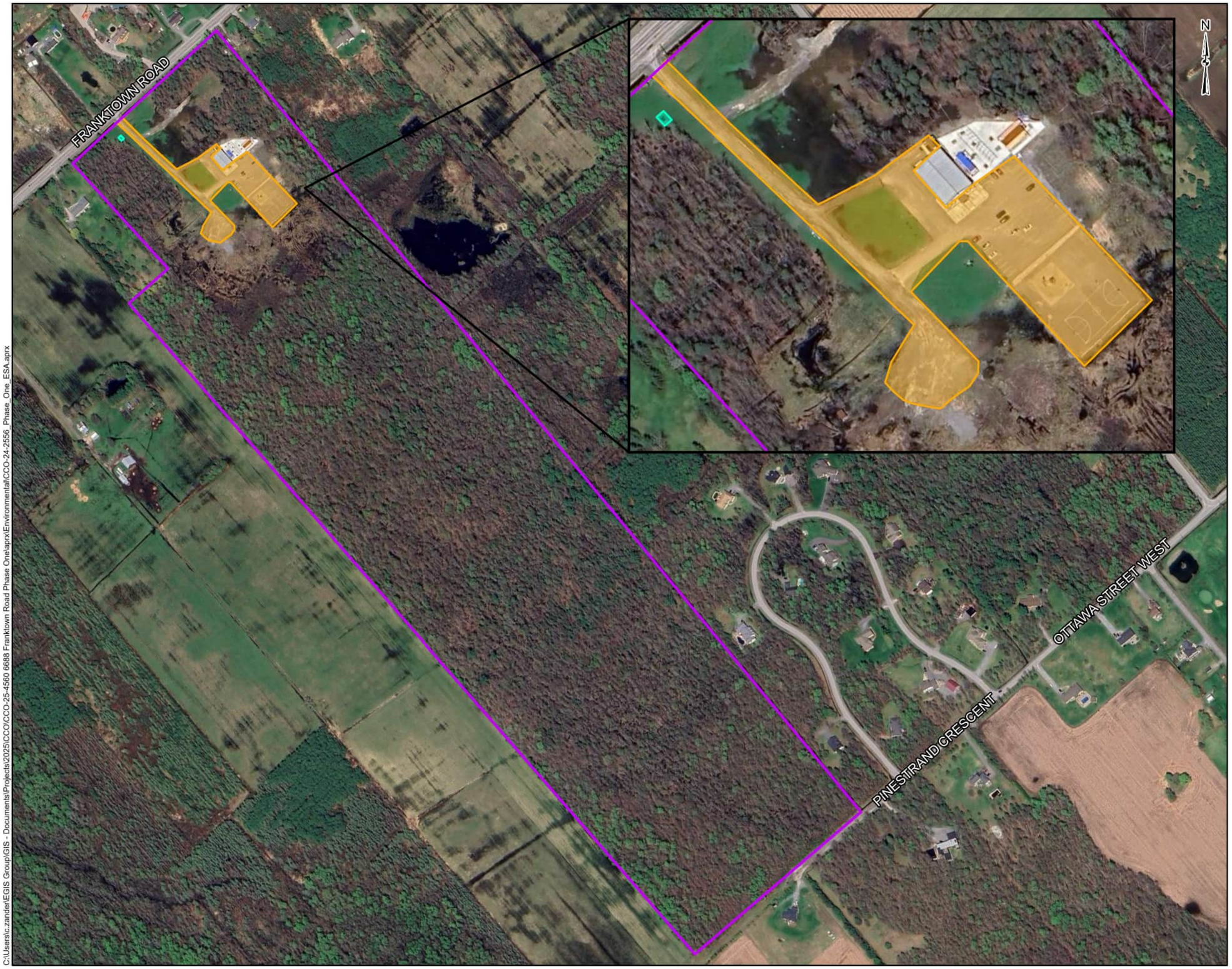
TITLE: POTENTIALLY CONTAMINATING ACTIVITIES

egis
750 Palladium Dr, Suite 310, Kanata, ON K2V 1C7
Tel: 613-836-2184 Fax: 613-836-3742

PROJECT NO:	CCO-25-4560
Date	Jan., 22, 2025
GIS	CZ
Checked By	MT

FIGURE: 5

C:\Users\c.zander\EGIS Group\GIS - Documents\Projects\2025\CCO\CCO-25-4560 6688 Franktown Road Phase One\aprx\EnvironmentalCCO-24-2556_Phase_One_ESA.aprx



LEGEND

- Phase One Property
- APEC 1
- APEC 2

Full APEC list provided in Section 7.3 of the Phase One ESA.

REFERENCE

GIS data provided by the Ontario Ministry of Natural Resources and Forestry, 2025.

150 75 0 150

Scale 1:5,000 Metres

CLIENT: INTERNATIONAL BUDDHIST PROGRESS SOCIETY OF OTTAWA – CARLETON

PROJECT: PHASE ONE ENVIRONMENTAL SITE ASSESSMENT - 6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

TITLE: AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

egis
750 Palladium Dr, Suite 310, Kanata, ON K2V 1C7
Tel: 613-836-2184 Fax: 613-836-3742

PROJECT NO:	CCO-25-4560
Date	Jan., 22, 2025
GIS	CZ
Checked By	MT

FIGURE: 6

C:\Users\c.zander\EGIS Group\GIS - Documents\Projects\2025\CCO\CCO-25-4560 6688 Franktown Road Phase One\aprx\Environmental\CCO-24-2556_Phase_One_ESA.aprx

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

APPENDIX A

OPTA RESPONSE

Enviroscan Report

Site address:	6688 Franktown Road, Ottawa, ON
Project #:	25010700120
P.O. #:	153994
Requested by:	Eleanor Goolab
Date Completed:	1/13/2025 4:21:57 PM

Project #: 25010700120 | P.O. #:
Requested by: Eleanor Goolab | Date Completed: 01/13/2025 16:21:57

Search Area: 6688 Franktown Road, Ottawa, ON

Historical Environmental Services Enviroscan Terms and Conditions

Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Verisk's records relating to the described property (hereinafter referred to as the "Property"). Verisk makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Verisk's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Verisk does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Verisk disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Verisk Reports or from any tortious acts or omissions of Verisk's agents, employees or representatives.

Entire Agreement

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

Governing Document

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

Law

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

Project #: 25010700120 | P.O. #:
Requested by: Eleanor Goolab | Date Completed: 01/13/2025 16:21:57

No Records Found

Office

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

1.877.244.9437

optaintel.ca

Verisk.com

Project #: 25010700120 | P.O. #:
Requested by: Eleanor Goolab | Date Completed: 01/13/2025 16:21:57

Selected Fire Insurance Plans and Inspection Reports

Search Fee	**$50.00**

Selected Fire Insurance Plans

None

Selected Inspection Reports

None

Total	**$50.00**

Project #: 25010700120 | P.O. #:
Requested by: Eleanor Goolab | Date Completed: 01/13/2025 16:21:57

Excluded Fire Insurance Plans and Inspection Reports

Excluded Fire Insurance Plans

None

Excluded Inspection Reports

None

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

APPENDIX B

ERIS REPORT

DATABASE REPORT

Project Property:	*Phase I ESA* *6688 Franktown Road* *Ottawa ON K0A 2Z0*
Project No:	
Report Type:	*Standard Report*
Order No:	*25010700120*
Requested by:	*Egis Canada Ltd.*
Date Completed:	*January 10, 2025*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Phase I ESA* *6688 Franktown Road Ottawa ON K0A 2Z0*
Project No:	
Coordinates:	
Latitude:	*45.177061*
Longitude:	*-75.8630073*
UTM Northing:	*5,002,982.17*
UTM Easting:	*432,191.65*
UTM Zone:	*18T*
Elevation:	*328 FT* *99.88 M*

Order Information:

Order No:	*25010700120*
Date Requested:	*January 7, 2025*
Requested by:	*Egis Canada Ltd.*
Report Type:	*Standard Report*

Historical/Products:

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

Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
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
NPR2	National Pollutant Release Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	1	0	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
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	1	11	12

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:		2		14	16

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		6688 FRANKTOWN RD lot 19 con 3 RICHMOND ON ***Well ID:*** 7318079	WNW/148.2	0.00	15
1	PTTW	Bing Professional Engineering Inc.	6688 Franktown Road Ottawa, ON K0A 2Z0 Canada ON	WNW/148.2	0.00	21

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 20 con 3 ON ***Well ID:*** 1502410	N/149.8	0.00	22
3	WWIS		2714 FENTON RD lot 16 con 4 GLOUCESTER ON ***Well ID:*** 1536667	WNW/176.5	0.00	24
4	WWIS		6685 FRANKTOWN ROAD lot 19 con 4 RICHMOND ON ***Well ID:*** 7248774	WNW/189.5	0.00	26
5	BORE		ON	N/189.9	0.00	33
6	WWIS		lot 20 con 3 ON ***Well ID:*** 1502409	N/190.0	0.00	34
7	WWIS		380 BALMORALDR lot 13 con 10 BECKWITH ON ***Well ID:*** 7108135	NW/210.6	0.00	37
8	WWIS		6045/6055 BANK STREET lot 6 con 5 GREELY ON ***Well ID:*** 1536384	NW/213.2	0.00	43
9	WWIS		8821 COPELAND ROAD lot 2 con 5 ASHTON ON ***Well ID:*** 7047631	NW/215.4	0.00	49
10	WWIS		1339 SOUTH BEACH lot 4 con 4 Ottawa ON ***Well ID:*** 7108150	NW/216.8	0.00	55
11	EHS		6659 Franktown Road Richmond ON K0A 2Z0	NW/221.0	0.00	62
12	WWIS		#23 KOLO DRIVE lot 7 con 8 MUNSTER ON ***Well ID:*** 1534476	NW/223.9	0.00	62
13	EHS		6659 Franktown Rd Ottawa ON K0A2Z0	NW/228.8	0.00	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
14	WWIS		lot 19 con 4 ON ***Well ID:*** 1516119	WNW/234.0	0.00	69
15	WWIS		lot 19 con 4 ON ***Well ID:*** 1515832	NNW/246.7	0.00	72

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 1 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	N	189.88	5

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 2 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	6659 Franktown Road Richmond ON K0A 2Z0	NW	221.05	11
	6659 Franktown Rd Ottawa ON K0A2Z0	NW	228.78	13

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - Oct 31, 2024 has found that there are 1 PTTW site(s) within approximately 0.25 kilometers of the project property.

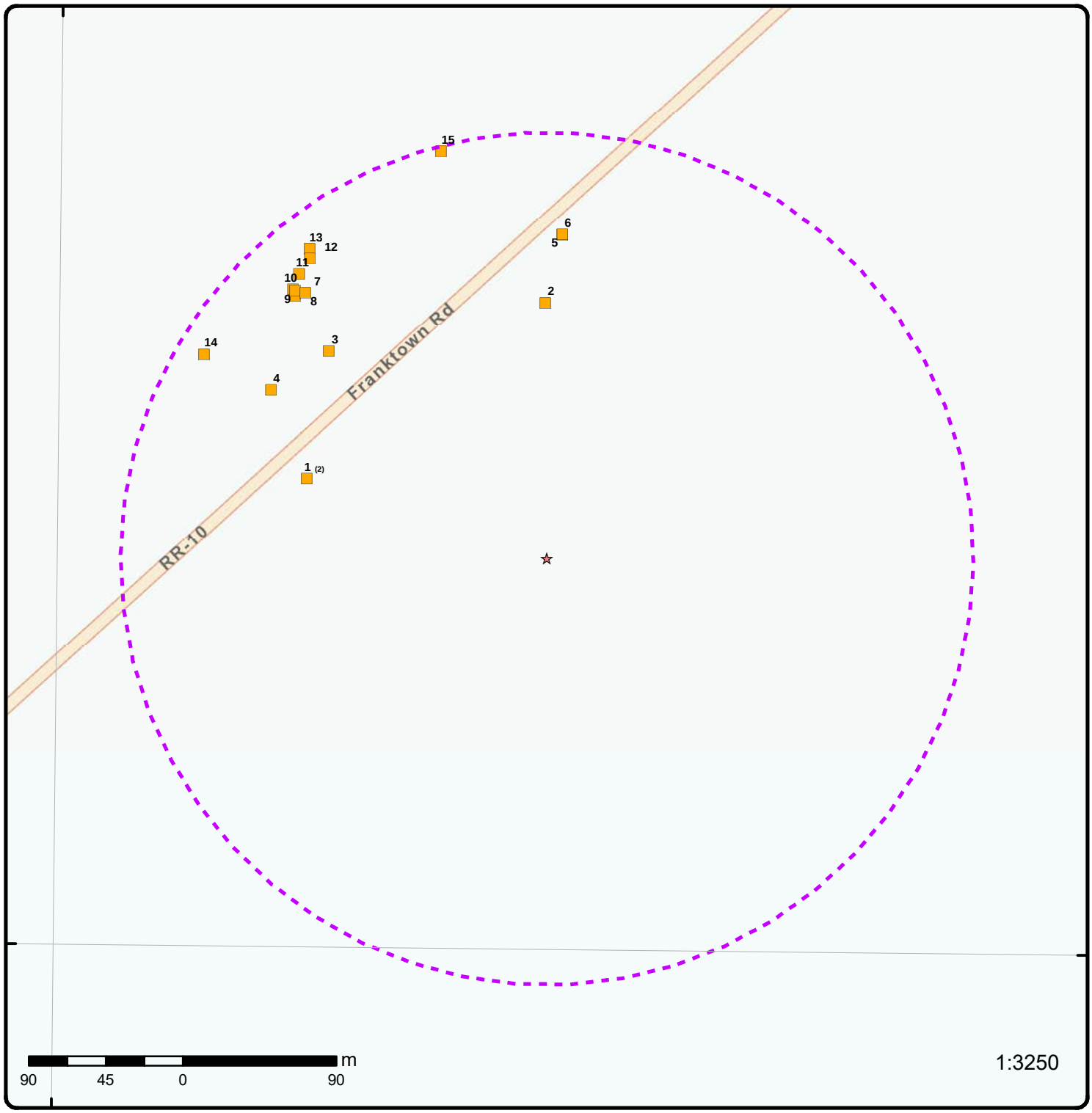
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
Bing Professional Engineering Inc.	6688 Franktown Road Ottawa, ON K0A 2Z0 Canada ON	WNW	148.24	1

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 12 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	6688 FRANKTOWN RD lot 19 con 3 RICHMOND ON	WNW	148.24	1

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 7318079			
	lot 20 con 3 ON ***Well ID:*** 1502410	N	149.83	2
	2714 FENTON RD lot 16 con 4 GLOUCESTER ON ***Well ID:*** 1536667	WNW	176.46	3
	6685 FRANKTOWN ROAD lot 19 con 4 RICHMOND ON ***Well ID:*** 7248774	WNW	189.47	4
	lot 20 con 3 ON ***Well ID:*** 1502409	N	190.05	6
	380 BALMORALDR lot 13 con 10 BECKWITH ON ***Well ID:*** 7108135	NW	210.59	7
	6045/6055 BANK STREET lot 6 con 5 GREELY ON ***Well ID:*** 1536384	NW	213.23	8
	8821 COPELAND ROAD lot 2 con 5 ASHTON ON ***Well ID:*** 7047631	NW	215.40	9
	1339 SOUTH BEACH lot 4 con 4 Ottawa ON ***Well ID:*** 7108150	NW	216.81	10
	#23 KOLO DRIVE lot 7 con 8 MUNSTER ON ***Well ID:*** 1534476	NW	223.92	12
	lot 19 con 4 ON ***Well ID:*** 1516119	WNW	233.97	14
	lot 19 con 4 ON ***Well ID:*** 1515832	NNW	246.73	15



Map: 0.25 Kilometer Radius

Order Number: 25010700120

Address: 6688 Franktown Road, Ottawa, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation

- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail

- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital

- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

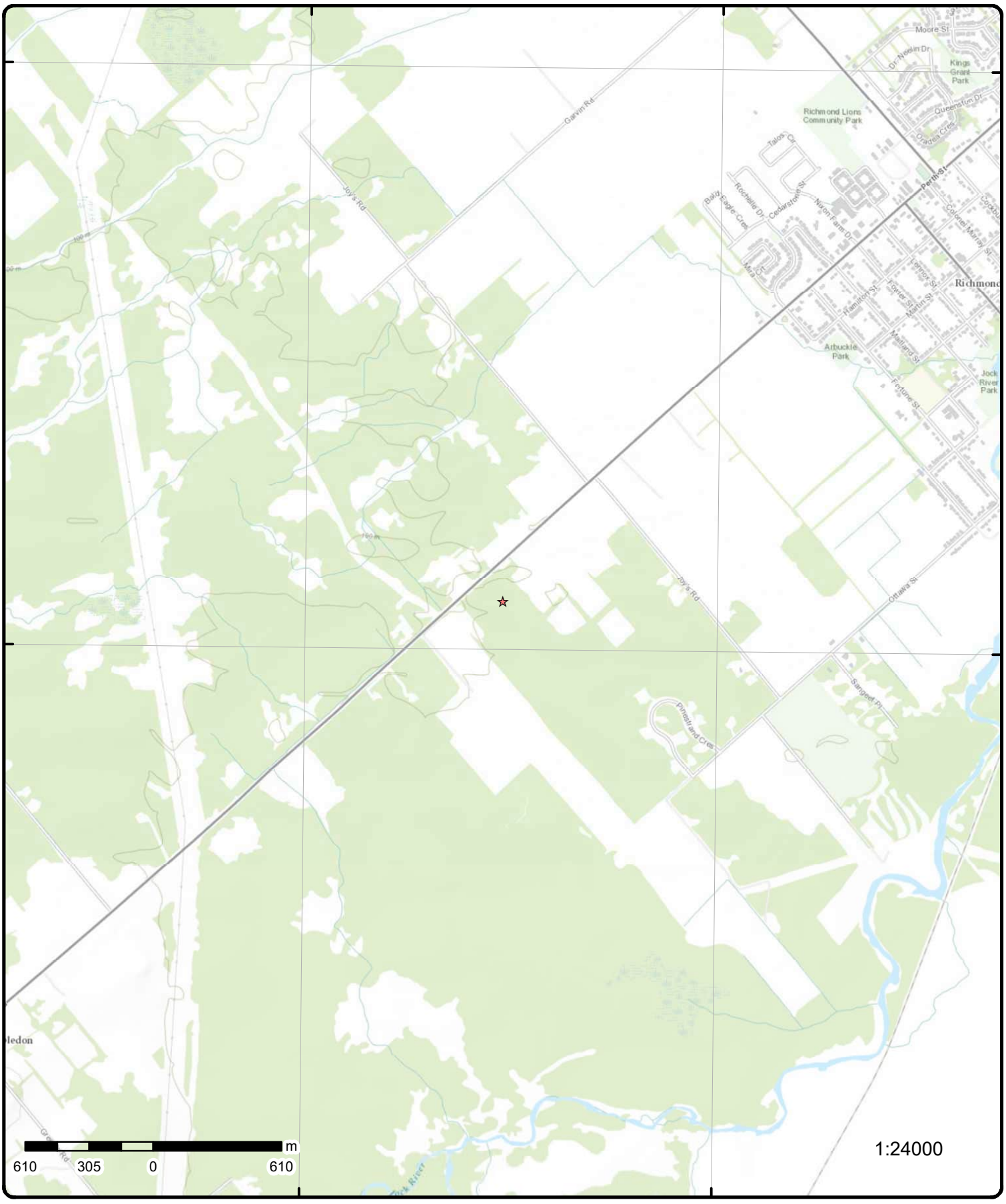
75°52'30"W

Aerial **Year: 2023**

Order Number: 25010700120

Address: 6688 Franktown Road, Ottawa, ON

Source: ESRI World Imagery



Topographic Map

Address: 6688 Franktown Road, ON

Source: ESRI World Topographic Map

Order Number: 25010700120

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 2	WNW/148.2	99.9 / 0.00	6688 FRANKTOWN RD lot 19 con 3 RICHMOND ON	WWIS

Well ID:	7318079	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	09/10/2018
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z276984	**Contractor:**	1119
Tag:	A252856	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	019
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/731\7318079.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/11/2018
Year Completed:	2018
Depth (m):	60.96
Latitude:	45.1774689658753
Longitude:	-75.8648035843043
X:	-75.86480342359332
Y:	45.17746895944522
Path:	731\7318079.pdf

Bore Hole Information

Bore Hole ID:	1007285584	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	432051.00
Code OB Desc:		**North83:**	5003029.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/11/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	1007465066
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	81
Material 2 Desc:	SANDY
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1007465067
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	200.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007465102
Layer:	1
Plug From:	0.0
Plug To:	20.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1007465101
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1007465064
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: 1007465071
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 20.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1007465072
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 20.0
Depth To: 200.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1007465073
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1007465065
Pump Set At: 150.0
Static Level: 14.199999809265137
Final Level After Pumping: 15.5
Recommended Pump Depth: 100.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1007465090
Test Type: Draw Down
Test Duration: 25
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465092
Test Type: Draw Down
Test Duration: 30
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465099
Test Type: Recovery
Test Duration: 60
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465093
Test Type: Recovery
Test Duration: 30
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465074
Test Type: Draw Down
Test Duration: 1
Test Level: 15.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465087
Test Type: Recovery
Test Duration: 15
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465088
Test Type: Draw Down
Test Duration: 20
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465091
Test Type: Recovery
Test Duration: 25
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465094
Test Type: Draw Down
Test Duration: 40
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465095
Test Type: Recovery
Test Duration: 40
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465098
Test Type: Draw Down
Test Duration: 60
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465080
Test Type: Draw Down
Test Duration: 4
Test Level: 15.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465081
Test Type: Recovery
Test Duration: 4
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465083
Test Type: Recovery
Test Duration: 5
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465086
Test Type: Draw Down
Test Duration: 15
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465075
Test Type: Recovery
Test Duration: 1
Test Level: 14.199999809265137

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465082
Test Type: Draw Down
Test Duration: 5
Test Level: 15.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465089
Test Type: Recovery
Test Duration: 20
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465076
Test Type: Draw Down
Test Duration: 2
Test Level: 15.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465077
Test Type: Recovery
Test Duration: 2
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465078
Test Type: Draw Down
Test Duration: 3
Test Level: 15.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465084
Test Type: Draw Down
Test Duration: 10
Test Level: 15.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465079
Test Type: Recovery
Test Duration: 3
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465096
Test Type: Draw Down
Test Duration: 50
Test Level: 15.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465097
Test Type: Recovery
Test Duration: 50
Test Level: 14.199999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007465085
Test Type: Recovery
Test Duration: 10
Test Level: 14.199999809265137
Test Level UOM: ft

Water Details

Water ID: 1007465070
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 73.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1007465069
Diameter: 6.25
Depth From: 20.0
Depth To: 200.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1007465068
Diameter: 9.75
Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: inch

1	***2 of 2***	***WNW/148.2***	***99.9 / 0.00***	***Bing Professional Engineering Inc.*** ***6688 Franktown Road Ottawa, ON K0A 2Z0*** ***Canada*** ***ON***	***PTTW***

EBR Registry No: 019-0757
Ministry Ref No: 0324-BGHGE5
Notice Type: Instrument
Notice Stage: Decision
Notice Date:
Proposal Date: October 25, 2019

Decision Posted: April 2, 2020
Exception Posted:
Section: Section 34
Act 1: Ontario Water Resources Act, R.S.O. 1990
Act 2: Ontario Water Resources Act
Site Location Map: 45.177469,-75.864803

Year:	2019
Instrument Type:	Permit to take water
Off Instrument Name:	Permit to Take Water (OWRA s. 34)
Posted By:	Ministry of the Environment, Conservation and Parks
Company Name:	
Site Address:	6688 Franktown Road Ottawa, ON K0A 2Z0 Canada
Location Other:	
Proponent Name:	Bing Professional Engineering Inc.
Proponent Address:	248 Huntsville Drive Huntsville, ON K2T 0C3 Canada
Comment Period:	October 25, 2019 - November 24, 2019 (30 days) Closed
URL:	https://ero.ontario.ca/notice/019-0757
Summary:	

Site Location Details:

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2 | **1 of 1** | **N/149.8** | **99.9 / 0.00** | **lot 20 con 3 ON** | **WWIS**

Well ID:	1502410	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/18/1967
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3503
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	020
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502410.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/12/1967
Year Completed:	1967
Depth (m):	6.7056
Latitude:	45.1784094785759
Longitude:	-75.8630397960186
X:	-75.86303963503704
Y:	45.17840947202152
Path:	150\1502410.pdf

Bore Hole Information

Bore Hole ID:	10024453	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	432190.70
Code OB Desc:		**North83:**	5003132.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5

Date Completed: 06/12/1967 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930994451
Layer: 1
Color:
General Color:
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930994452
Layer: 2
Color:
General Color:
Material 1: 11
Material 1 Desc: GRAVEL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 22.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502410
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573023
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930041675

Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991502410
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	12.0
Recommended Pump Depth:	18.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933455193
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	22.0
Water Found Depth UOM:	ft

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3 | ***1 of 1*** | ***WNW/176.5*** | ***99.9 / 0.00*** | ***2714 FENTON RD lot 16 con 4 GLOUCESTER ON*** | ***WWIS***

Well ID:	1536667	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	09/07/2006
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z48579	**Contractor:**	1119
Tag:		**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	016
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:	PLAN 5R-1387 PART 1		

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536667.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/22/2006
Year Completed:	2006
Depth (m):	26.21
Latitude:	45.1781452649439
Longitude:	-75.8646483660481
X:	-75.86464820548623
Y:	45.17814525828679
Path:	153\1536667.pdf

Bore Hole Information

Bore Hole ID:	11691761	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	432064.00
Code OB Desc:		***North83:***	5003104.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	3
Date Completed:	06/22/2006	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933070648
Layer:	1
Color:	
General Color:	
Material 1:	
Material 1 Desc:	
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	26.209999084472656
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933302004
Layer:	1
Plug From:	26.209999084472656
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536667
Method Construction Code:	

Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 11696627
Casing No: 1
Comment:
Alt Name:

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4 | ***1 of 1*** | ***WNW/189.5*** | ***99.9 / 0.00*** | ***6685 FRANKTOWN ROAD lot 19 con 4 RICHMOND ON*** | ***WWIS***

Well ID: 7248774
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z191564
Tag: A186910
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info: PART 1 & 2

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 09/22/2015
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 019
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7248774.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/03/2015
Year Completed: 2015
Depth (m): 42.672
Latitude: 45.1779349740068
Longitude: -75.8650779132113
X: -75.86507775188312
Y: 45.17793496717516
Path: 724\7248774.pdf

Bore Hole Information

Bore Hole ID: 1005699380
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/03/2015
Remarks:
Location Method Desc: from gis
Elevrc Desc:
Location Source Date:
Improvement Location Source:

Elevation:
Elevrc:
Zone: 18
East83: 432030.00
North83: 5003081.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: gis

Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1005726912
Layer: 4
Color: 1
General Color: WHITE
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2: 15
Material 2 Desc: LIMESTONE
Material 3:
Material 3 Desc:
Formation Top Depth: 130.0
Formation End Depth: 140.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005726909
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005726911
Layer: 3
Color: 1
General Color: WHITE
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2: 15
Material 2 Desc: LIMESTONE
Material 3:
Material 3 Desc:
Formation Top Depth: 100.0
Formation End Depth: 130.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1005726910
Layer: 2
Color: 2
General Color: GREY

Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 100.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005726947
Layer: 1
Plug From: 22.0
Plug To: 122.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005726948
Layer: 2
Plug From: 12.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005726946
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1005726907
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005726917
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 22.0
Depth To: 140.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1005726916
Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From: -2.0
Depth To: 22.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005726918
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1005726908
Pump Set At: 120.0
Static Level: 14.25
Final Level After Pumping: 43.66999816894531
Recommended Pump Depth: 120.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1005726930
Test Type: Recovery
Test Duration: 10
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726935
Test Type: Draw Down
Test Duration: 25
Test Level: 43.16699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726938
Test Type: Recovery
Test Duration: 30
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726941
Test Type: Draw Down
Test Duration: 50
Test Level: 43.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726924
Test Type: Recovery
Test Duration: 3
Test Level: 30.16699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726929
Test Type: Draw Down
Test Duration: 10
Test Level: 37.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726934
Test Type: Recovery
Test Duration: 20
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726936
Test Type: Recovery
Test Duration: 25
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726937
Test Type: Draw Down
Test Duration: 30
Test Level: 43.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726920
Test Type: Recovery
Test Duration: 1
Test Level: 43.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726923

Test Type: Draw Down
Test Duration: 3
Test Level: 28.08300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726927
Test Type: Draw Down
Test Duration: 5
Test Level: 33.16699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726940
Test Type: Recovery
Test Duration: 40
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726922
Test Type: Recovery
Test Duration: 2
Test Level: 30.08300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726943
Test Type: Draw Down
Test Duration: 60
Test Level: 43.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726944
Test Type: Recovery
Test Duration: 60
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726919
Test Type: Draw Down
Test Duration: 1
Test Level: 21.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726926
Test Type: Recovery
Test Duration: 4
Test Level: 19.08300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726928
Test Type: Recovery
Test Duration: 5
Test Level: 17.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726942
Test Type: Recovery
Test Duration: 50
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726921
Test Type: Draw Down
Test Duration: 2
Test Level: 24.58300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726932
Test Type: Recovery
Test Duration: 15
Test Level: 14.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726939
Test Type: Draw Down
Test Duration: 40
Test Level: 43.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726925
Test Type: Draw Down
Test Duration: 4
Test Level: 31.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005726931
Test Type: Draw Down
Test Duration: 15
Test Level: 40.41699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	1005726933
Test Type:	Draw Down
Test Duration:	20
Test Level:	41.0
Test Level UOM:	ft

Water Details

Water ID:	1005726915
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	130.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005726913
Diameter:	9.75
Depth From:	0.0
Depth To:	22.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1005726914
Diameter:	6.0
Depth From:	22.0
Depth To:	140.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

5 ***1 of 1*** ***N/189.9*** ***99.9 / 0.00*** ***ON*** ***BORE***

Borehole ID:	610281	***Inclin FLG:***	No
OGF ID:	215511797	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:	AUG-1964	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.178769
Total Depth m:	19.8	***Longitude DD:***	-75.862918
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	432201
Drill Method:		***Northing:***	5003172
Orig Ground Elev m:	99.1	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	100		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218385168	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	2.4	***Material Texture:***	

Material Color:		**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Soil	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SOIL.		

Geology Stratum ID:	218385169	**Mat Consistency:**	Dense
Top Depth:	2.4	**Material Moisture:**	
Bottom Depth:	19.8	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Sandstone	**Geologic Formation:**	
Material 2:		**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SANDSTONE. 00060EY. 0010000060. GREY. 00064STONE. TILL. BROWN,DENSE. 00040035 **Note: Many records provided by the department have a truncated [Stratum Description] field.		

Source

Source Type:	Data Survey	**Source Appl:**	Spatial/Tabular
Source Orig:	Geological Survey of Canada	**Source Iden:**	1
Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:		**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 02789 NTS_Sheet:		
Confiden 1:			

Source List

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

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6 | ***1 of 1*** | ***N/190.0*** | ***99.9 / 0.00*** | ***lot 20 con 3 ON*** | ***WWIS***

Well ID:	1502409	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	08/31/1964
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3503
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	020
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1502409.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/15/1964
Year Completed: 1964
Depth (m): 19.812
Latitude: 45.1787704650944
Longitude: -75.8629179742947
X: -75.86291781361287
Y: 45.17877045836144
Path: 150\1502409.pdf

Bore Hole Information

Bore Hole ID:	10024452	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	432200.70
Code OB Desc:		***North83:***	5003172.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	08/15/1964	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 930994450
Layer: 2
Color:
General Color:
Material 1: 18
Material 1 Desc: SANDSTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 930994449
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 02
Material 2 Desc: TOPSOIL
Material 3:

Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961502409
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10573022
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930041674
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 65.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930041673
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 10.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991502409
Pump Set At:
Static Level: 4.0
Final Level After Pumping: 28.0
Recommended Pump Depth: 52.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30

Flowing: No

Water Details

Water ID: 933455192
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

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7 | **1 of 1** | **NW/210.6** | **99.9 / 0.00** | **380 BALMORALDR lot 13 con 10 BECKWITH ON** | **WWIS**

Well ID: 7108135
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z80774
Tag: A066491
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: BECKWITH TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 07/15/2008
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 7
Owner:
County: LANARK
Lot: 013
Concession: 10
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7108135.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/03/2008
Year Completed: 2008
Depth (m): 30.47
Latitude: 45.1784499369032
Longitude: -75.8648311620237
X: -75.86483100088236
Y: 45.178449930006416
Path: 710\7108135.pdf

Bore Hole Information

Bore Hole ID: 1001657826
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/03/2008
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:

Elevation:
Elevrc:
Zone: 18
East83: 432050.00
North83: 5003138.00
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1001779894
Layer: 1
Color:
General Color:
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 0.9100000262260437
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1001779895
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.9100000262260437
Formation End Depth: 30.469999313354492
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1001779897
Layer: 1
Plug From: 12.1899995803833
Plug To: 0.0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1001779928
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1001779892
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1001779899
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	12.800000190734863
Depth To:	0.0
Casing Diameter:	0.15880000591278076
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1001779900
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1001779893
Pump Set At:	24.3799991607666
Static Level:	7.320000171661377
Final Level After Pumping:	7.639999866485596
Recommended Pump Depth:	24.3799991607666
Pumping Rate:	91.0
Flowing Rate:	
Recommended Pump Rate:	91.0
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1001779903
Test Type:	Draw Down
Test Duration:	2
Test Level:	7.46999979019165
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1001779912
Test Type:	Recovery
Test Duration:	10
Test Level:	7.320000171661377
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1001779916
Test Type: Recovery
Test Duration: 20
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779919
Test Type: Draw Down
Test Duration: 30
Test Level: 7.630000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779911
Test Type: Draw Down
Test Duration: 10
Test Level: 7.579999923706055
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779917
Test Type: Draw Down
Test Duration: 25
Test Level: 7.619999885559082
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779920
Test Type: Recovery
Test Duration: 30
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779925
Test Type: Draw Down
Test Duration: 60
Test Level: 7.639999866485596
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779901
Test Type: Draw Down
Test Duration: 1
Test Level: 7.440000057220459
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779902
Test Type: Recovery

Test Duration: 1
Test Level: 7.46999979019165
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779905
Test Type: Draw Down
Test Duration: 3
Test Level: 7.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779909
Test Type: Draw Down
Test Duration: 5
Test Level: 7.539999961853027
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779910
Test Type: Recovery
Test Duration: 5
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779908
Test Type: Recovery
Test Duration: 4
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779913
Test Type: Draw Down
Test Duration: 15
Test Level: 7.599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779923
Test Type: Draw Down
Test Duration: 50
Test Level: 7.630000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779926
Test Type: Recovery
Test Duration: 60
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779904
Test Type: Recovery
Test Duration: 2
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779921
Test Type: Draw Down
Test Duration: 40
Test Level: 7.630000114440918
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779922
Test Type: Recovery
Test Duration: 40
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779924
Test Type: Recovery
Test Duration: 50
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779907
Test Type: Draw Down
Test Duration: 4
Test Level: 7.519999980926514
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779914
Test Type: Recovery
Test Duration: 15
Test Level: 7.320000171661377
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779915
Test Type: Draw Down
Test Duration: 20
Test Level: 7.610000133514404
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001779918

Test Type:	Recovery
Test Duration:	25
Test Level:	7.320000171661377
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1001779906
Test Type:	Recovery
Test Duration:	3
Test Level:	7.320000171661377
Test Level UOM:	m

Water Details

Water ID:	1001779898
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	25.0
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1001779896
Diameter:	15.550000190734863
Depth From:	30.469999313354492
Depth To:	0.0
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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8 | ***1 of 1*** | ***NW/213.2*** | ***99.9 / 0.00*** | ***6045/6055 BANK STREET lot 6 con 5 GREELY ON*** | ***WWIS***

Well ID:	1536384	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	06/12/2006
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z39983	**Contractor:**	1119
Tag:	A036169	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	006
Depth to Bedrock:		**Concession:**	05
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality:	GOULBOURN TOWNSHIP
Site Info:	PLAN 902 P/L 73/74

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1536384.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/21/2006
Year Completed:	2006
Depth (m):	49.98

Latitude:	45.1784313574154
Longitude:	-75.8649072455348
X:	-75.8649070854684
Y:	45.17843134997224
Path:	153\1536384.pdf

Bore Hole Information

Bore Hole ID:	11550450	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	432044.00
Code OB Desc:		**North83:**	5003136.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	04/21/2006	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933048243
Layer:	3
Color:	2
General Color:	GREY
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	36.56999969482422
Formation End Depth:	49.97999954223633
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933048242
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	8.229999542236328
Formation End Depth:	36.56999969482422
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	933048241
Layer:	1
Color:	
General Color:	
Material 1:	28
Material 1 Desc:	SAND
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.229999542236328
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933290721
Layer:	2
Plug From:	7.309999942779541
Plug To:	0.0
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933290720
Layer:	1
Plug From:	10.359999656677246
Plug To:	7.309999942779541
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961536384
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	11560057
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930877589
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	10.359999656677246
Depth To:	49.97999954223633
Casing Diameter:	
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID: 930877588
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0.0
Depth To: 10.970000267028809
Casing Diameter: 15.880000114440918
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 11569466
Pump Set At: 42.66999816894531
Static Level: 1.2999999523162842
Final Level After Pumping: 2.0399999618530273
Recommended Pump Depth: 42.66999816894531
Pumping Rate: 91.0
Flowing Rate:
Recommended Pump Rate: 91.0
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11602255
Test Type: Draw Down
Test Duration: 3
Test Level: 1.6200000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602257
Test Type: Draw Down
Test Duration: 4
Test Level: 1.6200000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602259
Test Type: Draw Down
Test Duration: 5
Test Level: 1.6200000047683716
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602260
Test Type: Recovery
Test Duration: 5
Test Level: 1.3799999952316284
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602263
Test Type: Draw Down
Test Duration: 15
Test Level: 1.7400000095367432
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602252
Test Type: Recovery
Test Duration: 1
Test Level: 1.7200000286102295
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602258
Test Type: Recovery
Test Duration: 4
Test Level: 1.4500000476837158
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602261
Test Type: Draw Down
Test Duration: 10
Test Level: 1.6799999475479126
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602264
Test Type: Draw Down
Test Duration: 20
Test Level: 1.7599999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602267
Test Type: Draw Down
Test Duration: 40
Test Level: 1.850000023841858
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602269
Test Type: Draw Down
Test Duration: 60
Test Level: 2.0399999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602266

Test Type: Draw Down
Test Duration: 30
Test Level: 1.809999942779541
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602268
Test Type: Draw Down
Test Duration: 50
Test Level: 1.8899999856948853
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602254
Test Type: Recovery
Test Duration: 2
Test Level: 1.649999976158142
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602262
Test Type: Recovery
Test Duration: 10
Test Level: 1.2999999523162842
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602265
Test Type: Draw Down
Test Duration: 25
Test Level: 1.7899999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602251
Test Type: Draw Down
Test Duration: 1
Test Level: 1.590000033378601
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602253
Test Type: Draw Down
Test Duration: 2
Test Level: 1.590000033378601
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11602256
Test Type: Recovery
Test Duration: 3
Test Level: 1.559999942779541
Test Level UOM: m

Water Details

Water ID:	934076136
Layer:	2
Kind Code:	
Kind:	
Water Found Depth:	48.15999984741211
Water Found Depth UOM:	m

Water Details

Water ID:	934076137
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	13.109999656677246
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11681157
Diameter:	15.229999542236328
Depth From:	0.0
Depth To:	49.97999954223633
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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9 ***1 of 1*** ***NW/215.4*** ***99.9 / 0.00*** ***8821 COPELAND ROAD lot 2 con 5 ASHTON ON*** ***WWIS***

Well ID:	7047631	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	
Final Well Status:	Water Supply	***Date Received:***	08/07/2007
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z65159	***Contractor:***	1119
Tag:	A055162	***Form Version:***	3
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	002
Depth to Bedrock:		***Concession:***	05
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:	PART 2		

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7047631.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/04/2007
Year Completed:	2007
Depth (m):	43.28
Latitude:	45.1784583592674
Longitude:	-75.86490765435
X:	-75.86490749330112

Y: 45.178458351877204
Path: 704\7047631.pdf

Bore Hole Information

Bore Hole ID: 23047631
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/04/2007
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 432044.00
North83: 5003139.00
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 30247631
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 1.5199999809265137
Formation End Depth: 43.279998779296875
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 30147631
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 81
Material 2 Desc: SANDY
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.5199999809265137
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 44002777
Layer: 1
Plug From: 6.099999904632568

Plug To: 0.0
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 25947631
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 29047631
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 42147631
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0.0
Depth To: 6.710000038146973
Casing Diameter: 15.880000114440918
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 42247631
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 6.099999904632568
Depth To: 43.279998779296875
Casing Diameter:
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 27047631
Pump Set At: 36.56999969482422
Static Level: 8.5600004196167
Final Level After Pumping: 24.719999313354492
Recommended Pump Depth: 36.56999969482422
Pumping Rate: 56.779998779296875
Flowing Rate:
Recommended Pump Rate: 56.779998779296875
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 45025567
Test Type: Draw Down
Test Duration: 2
Test Level: 13.100000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025569
Test Type: Draw Down
Test Duration: 10
Test Level: 19.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025575
Test Type: Recovery
Test Duration: 1
Test Level: 19.299999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025576
Test Type: Draw Down
Test Duration: 50
Test Level: 24.34000015258789
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025581
Test Type: Recovery
Test Duration: 40
Test Level: 8.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025565
Test Type: Draw Down
Test Duration: 3
Test Level: 14.350000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025572
Test Type: Draw Down
Test Duration: 4
Test Level: 15.40999984741211
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025574

Test Type: Draw Down
Test Duration: 5
Test Level: 16.260000228881836
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025570
Test Type: Recovery
Test Duration: 10
Test Level: 9.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025585
Test Type: Recovery
Test Duration: 20
Test Level: 8.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025586
Test Type: Draw Down
Test Duration: 20
Test Level: 22.06999969482422
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025563
Test Type: Draw Down
Test Duration: 1
Test Level: 11.640000343322754
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025564
Test Type: Recovery
Test Duration: 15
Test Level: 8.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025577
Test Type: Draw Down
Test Duration: 40
Test Level: 23.93000030517578
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025578
Test Type: Draw Down
Test Duration: 30
Test Level: 23.299999237060547
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025582
Test Type: Recovery
Test Duration: 30
Test Level: 8.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025583
Test Type: Recovery
Test Duration: 25
Test Level: 8.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025568
Test Type: Recovery
Test Duration: 5
Test Level: 12.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025579
Test Type: Recovery
Test Duration: 50
Test Level: 8.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025584
Test Type: Draw Down
Test Duration: 25
Test Level: 22.760000228881836
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025587
Test Type: Recovery
Test Duration: 3
Test Level: 14.800000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025566
Test Type: Recovery
Test Duration: 2
Test Level: 17.06999969482422
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025571
Test Type: Draw Down
Test Duration: 15
Test Level: 20.93000030517578
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025573
Test Type: Recovery
Test Duration: 4
Test Level: 13.399999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025580
Test Type: Recovery
Test Duration: 60
Test Level: 8.5600004196167
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 45025588
Test Type: Draw Down
Test Duration: 60
Test Level: 24.719999313354492
Test Level UOM: m

Water Details

Water ID: 41147631
Layer: 1
Kind Code:
Kind:
Water Found Depth: 40.540000915527344
Water Found Depth UOM: m

Hole Diameter

Hole ID: 46001878
Diameter: 15.229999542236328
Depth From: 0.0
Depth To: 43.279998779296875
Hole Depth UOM: m
Hole Diameter UOM: cm

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10 ***1 of 1*** ***NW/216.8*** ***99.9 / 0.00*** ***1339 SOUTH BEACH lot 4 con 4 Ottawa ON*** ***WWIS***

Well ID: 7108150
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z80771
Tag: A072299
Constructn Method:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 07/15/2008
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 7
Owner:

Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	004
Depth to Bedrock:		**Concession:**	04
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	OSGOODE TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7108150.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/28/2008
Year Completed:	2008
Depth (m):	54.86
Latitude:	45.1784672635042
Longitude:	-75.8649205166347
X:	-75.86492035627268
Y:	45.17846725689321
Path:	710\7108150.pdf

Bore Hole Information

Bore Hole ID:	1001658004	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	432043.00
Code OB Desc:		**North83:**	5003140.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	05/28/2008	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1001780809
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	13.40999984741211
Formation End Depth:	47.2400016784668
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001780810
Layer:	3
Color:	2
General Color:	GREY
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	47.2400016784668
Formation End Depth:	54.86000061035156
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1001780808
Layer:	1
Color:	
General Color:	
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	13
Material 3 Desc:	BOULDERS
Formation Top Depth:	0.0
Formation End Depth:	13.40999984741211
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001780812
Layer:	1
Plug From:	15.229999542236328
Plug To:	12.1899995803833
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1001780813
Layer:	2
Plug From:	12.1899995803833
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1001780845
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1001780806
Casing No:	0

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	1001780816
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	15.84000015258789
Depth To:	0.0
Casing Diameter:	0.15880000591278076
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1001780817
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	
Screen Diameter UOM:	
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1001780807
Pump Set At:	30.469999313354492
Static Level:	6.929999828338623
Final Level After Pumping:	17.600000381469727
Recommended Pump Depth:	30.469999313354492
Pumping Rate:	91.0
Flowing Rate:	
Recommended Pump Rate:	91.0
Levels UOM:	m
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1001780818
Test Type:	Draw Down
Test Duration:	1
Test Level:	9.5
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1001780821
Test Type:	Recovery
Test Duration:	2
Test Level:	8.960000038146973
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1001780827
Test Type: Recovery
Test Duration: 5
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780831
Test Type: Recovery
Test Duration: 15
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780835
Test Type: Recovery
Test Duration: 25
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780836
Test Type: Draw Down
Test Duration: 30
Test Level: 16.600000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780837
Test Type: Recovery
Test Duration: 30
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780840
Test Type: Draw Down
Test Duration: 50
Test Level: 17.34000015258789
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780826
Test Type: Draw Down
Test Duration: 5
Test Level: 13.210000038146973
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780832
Test Type: Draw Down
Test Duration: 20
Test Level: 16.030000686645508
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780842
Test Type: Draw Down
Test Duration: 60
Test Level: 17.600000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780843
Test Type: Recovery
Test Duration: 60
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780819
Test Type: Recovery
Test Duration: 1
Test Level: 12.850000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780830
Test Type: Draw Down
Test Duration: 15
Test Level: 15.550000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780841
Test Type: Recovery
Test Duration: 50
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780833
Test Type: Recovery
Test Duration: 20
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780825
Test Type: Recovery
Test Duration: 4
Test Level: 6.929999828338623

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780839
Test Type: Recovery
Test Duration: 40
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780822
Test Type: Draw Down
Test Duration: 3
Test Level: 11.899999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780824
Test Type: Draw Down
Test Duration: 4
Test Level: 12.649999618530273
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780828
Test Type: Draw Down
Test Duration: 10
Test Level: 14.699999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780829
Test Type: Recovery
Test Duration: 10
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780838
Test Type: Draw Down
Test Duration: 40
Test Level: 16.989999771118164
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780820
Test Type: Draw Down
Test Duration: 2
Test Level: 11.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780823
Test Type: Recovery
Test Duration: 3
Test Level: 6.929999828338623
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1001780834
Test Type: Draw Down
Test Duration: 25
Test Level: 16.360000610351562
Test Level UOM: m

Water Details

Water ID: 1001780814
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 28.950000762939453
Water Found Depth UOM: m

Water Details

Water ID: 1001780815
Layer: 2
Kind Code: 8
Kind: Untested
Water Found Depth: 52.41999816894531
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1001780811
Diameter: 15.5
Depth From: 54.860000610351562
Depth To: 0.0
Hole Depth UOM: m
Hole Diameter UOM: cm

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11 | ***1 of 1*** | ***NW/221.0*** | ***99.9 / 0.00*** | ***6659 Franktown Road Richmond ON K0A 2Z0*** | ***EHS***

Order No: 23062900328
Status: C
Report Type: Standard Report
Report Date: 05-JUL-23
Date Received: 29-JUN-23
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection:
Municipality:
Client Prov/State: ON
Search Radius (km): .25
X: -75.8648768
Y: 45.1785478

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12 | ***1 of 1*** | ***NW/223.9*** | ***99.9 / 0.00*** | ***#23 KOLO DRIVE lot 7 con 8 MUNSTER ON*** | ***WWIS***

Well ID: 1534476
Construction Date:
Use 1st: Domestic

Flowing (Y/N):
Flow Rate:
Data Entry Status:

Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	02/06/2004
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z04839	**Contractor:**	1119
Tag:	A004896	**Form Version:**	3
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	007
Depth to Bedrock:		**Concession:**	08
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1534476.pdf

Additional Detail(s) (Map)

Well Completed Date:	12/22/2003
Year Completed:	2003
Depth (m):	54.86
Latitude:	45.1786302383597
Longitude:	-75.8647957090826
X:	-75.86479554796784
Y:	45.17863023115266
Path:	153\1534476.pdf

Bore Hole Information

Bore Hole ID:	11104751	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	432053.00
Code OB Desc:		**North83:**	5003158.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	12/22/2003	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932954870
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	18
Material 2 Desc:	SANDSTONE
Material 3:	
Material 3 Desc:	

Formation Top Depth:	1.8300000429153442
Formation End Depth:	54.86000061035156
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932954869
Layer:	1
Color:	8
General Color:	BLACK
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	01
Material 2 Desc:	FILL
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	1.8300000429153442
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933248397
Layer:	1
Plug From:	6.099999904632568
Plug To:	0.0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	961534476
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	11109103
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930837223
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0.0
Depth To:	6.699999809265137
Casing Diameter:	15.880000114440918
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	11117309

Pump Set At:
Static Level: 3.799999952316284
Final Level After Pumping: 43.0
Recommended Pump Depth: 30.5
Pumping Rate: 75.69999694824219
Flowing Rate:
Recommended Pump Rate: 189.3000030517578
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11121648
Test Type: Draw Down
Test Duration: 0
Test Level: 3.799999952316284
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121780
Test Type: Recovery
Test Duration: 50
Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121661
Test Type: Draw Down
Test Duration: 50
Test Level: 4.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121662
Test Type: Draw Down
Test Duration: 60
Test Level: 4.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121665
Test Type: Recovery
Test Duration: 3
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121650
Test Type: Draw Down
Test Duration: 1

Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121656
Test Type: Draw Down
Test Duration: 15
Test Level: 4.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121659
Test Type: Draw Down
Test Duration: 30
Test Level: 4.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121667
Test Type: Recovery
Test Duration: 5
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121668
Test Type: Recovery
Test Duration: 10
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121779
Test Type: Recovery
Test Duration: 40
Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121651
Test Type: Draw Down
Test Duration: 2
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121654
Test Type: Draw Down
Test Duration: 5
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121655
Test Type: Draw Down
Test Duration: 10
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121657
Test Type: Draw Down
Test Duration: 20
Test Level: 4.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121663
Test Type: Recovery
Test Duration: 1
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121669
Test Type: Recovery
Test Duration: 15
Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121778
Test Type: Recovery
Test Duration: 30
Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121652
Test Type: Draw Down
Test Duration: 3
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121653
Test Type: Draw Down
Test Duration: 4
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121660
Test Type: Draw Down

Test Duration: 40
Test Level: 4.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121671
Test Type: Recovery
Test Duration: 25
Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121658
Test Type: Draw Down
Test Duration: 25
Test Level: 4.199999809265137
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121649
Test Type: Recovery
Test Duration: 0
Test Level: 4.300000190734863
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121664
Test Type: Recovery
Test Duration: 2
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121666
Test Type: Recovery
Test Duration: 4
Test Level: 4.099999904632568
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121670
Test Type: Recovery
Test Duration: 20
Test Level: 4.0
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11121781
Test Type: Recovery
Test Duration: 60
Test Level: 4.0
Test Level UOM: m

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

Water Details

Water ID:	934046254
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	52.70000076293945
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11109102
Diameter:	15.239999771118164
Depth From:	0.0
Depth To:	54.86000061035156
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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13 | ***1 of 1*** | ***NW/228.8*** | ***99.9 / 0.00*** | ***6659 Franktown Rd Ottawa ON K0A2Z0*** | ***EHS***

Order No:	20171110157	***Nearest Intersection:***	
Status:	C	***Municipality:***	
Report Type:	Standard Report	***Client Prov/State:***	ON
Report Date:	17-NOV-17	***Search Radius (km):***	.25
Date Received:	10-NOV-17	***X:***	-75.864803
Previous Site Name:		***Y:***	45.178682
Lot/Building Size:			
Additional Info Ordered:			

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14 | ***1 of 1*** | ***WNW/234.0*** | ***99.9 / 0.00*** | ***lot 19 con 4 ON*** | ***WWIS***

Well ID:	1516119	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	08/25/1977
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3644
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	019
Depth to Bedrock:		***Concession:***	04
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516119.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/27/1977
Year Completed:	1977
Depth (m):	32.004

Latitude:	45.1781201974184
Longitude:	-75.8655809046732
X:	-75.86558074448001
Y:	45.178120190147524
Path:	151\1516119.pdf

Bore Hole Information

Bore Hole ID:	10038054	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	431990.70
Code OB Desc:		**North83:**	5003102.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/27/1977	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

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

Overburden and Bedrock Materials Interval

Formation ID:	931031210
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	105.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931031209
Layer:	1
Color:	2
General Color:	GREY
Material 1:	28
Material 1 Desc:	SAND
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID: 961516119
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10586624
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930066995
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991516119
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 25.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934379272
Test Type: Draw Down
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934640786
Test Type: Draw Down
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934101661
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934898270
Test Type: Draw Down
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933472358
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102.0
Water Found Depth UOM: ft

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15 | ***1 of 1*** | ***NNW/246.7*** | ***99.9 / 0.00*** | ***lot 19 con 4 ON*** | ***WWIS***

Well ID:	1515832	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	01/19/1977
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3644
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	019
Depth to Bedrock:		***Concession:***	04
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515832.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/18/1976
Year Completed: 1976
Depth (m): 19.5072
Latitude: 45.1792046645923
Longitude: -75.863828195399
X: -75.86382803393204
Y: 45.17920465796225
Path: 151\1515832.pdf

Bore Hole Information

Bore Hole ID:	10037772	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	432129.70
Code OB Desc:		**North83:**	5003221.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/18/1976	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

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

Overburden and Bedrock Materials Interval

Formation ID: 931030349
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 64.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931030348
Layer: 1
Color: 2
General Color: GREY
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961515832
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10586342
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930066567
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991515832
Pump Set At:
Static Level: 0.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 50.0
Pumping Rate: 6.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934101401
Test Type: Draw Down
Test Duration: 15
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378173
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934897176
Test Type: Draw Down
Test Duration: 60
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934639693
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933472011
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	62.0
Water Found Depth UOM:	ft

Unplottable Summary

Total: 2 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
PTTW	Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.	Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa	ON	
SPL	TRANSCANADA PIPELINES	LOT 19, CONC. 3 MOTOR VEHICLE (OPERATING FLUID)	GOULBOURN TOWNSHIP ON	

Unplottable Report

Site: ***Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.***
Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa ON

Database: ***PTTW***

EBR Registry No:	IA06E1038	***Decision Posted:***	
Ministry Ref No:	6114-6SQHA7	***Exception Posted:***	
Notice Type:	Instrument Final Decision	***Section:***	
Notice Stage:		***Act 1:***	
Notice Date:	November 30, 2006	***Act 2:***	
Proposal Date:	August 17, 2006	***Site Location Map:***	
Year:	2006		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	Findlay Creek Properties Ltd. and 1374537 Ontario Ltd.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:			
Comment Period:			
URL:			
Summary:			

Site Location Details:

Lots 19, 20, Concession 4 and Lot 20, Concession 5, Ottawa

Site: ***TRANSCANADA PIPELINES***
LOT 19, CONC. 3 MOTOR VEHICLE (OPERATING FLUID) GOULBOURN TOWNSHIP ON

Database: ***SPL***

Ref No:	74850	***Municipality No:***	20604
Year:		***Nature of Damage:***	
Incident Dt:	8/17/1992	***Discharger Report:***	
Dt MOE Arvl on Scn:		***Material Group:***	
MOE Reported Dt:	8/17/1992	***Impact to Health:***	
Dt Document Closed:		***Agency Involved:***	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:			
Site Address:			
Site Region:			
Site Municipality:	GOULBOURN TOWNSHIP		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	PIPE/HOSE LEAK		
Incident Preceding Spill:			
Incident Reason:	CORROSION		

Incident Summary:	TRANSCANADA PIPELINES: 40L DIESEL FUEL LEAK FROMTRUCK HOSE
Environment Impact:	CONFIRMED
Health Env Consequence:	
Nature of Impact:	Soil contamination
Contaminant Qty:	
Contaminant Qty 1:	
Contaminant Unit:	
Contaminant Code:	
Contaminant Name:	
Contaminant Limit 1:	
Contam Limit Freq 1:	
Contaminant UN No 1:	
Receiving Medium:	LAND
Activity Preceding Spill:	
Property 2nd Watershed:	
Property Tertiary Watershed:	
Sector Type:	
SAC Action Class:	
Call Report Locatn Geodata:	
Time Reported:	
System Facility Address:	

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

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

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-Apr 2024

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-Apr 30, 2024

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 2022

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: Oct 2023

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Apr 30, 2024

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 -May 2024

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-Oct 2024

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994 - Oct 31, 2024

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. 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 - Aug 2024

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Oct 2023

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Oct 31, 2024

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994 - Oct 31, 2024

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Oct 31, 2024

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-Aug 31, 2024

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Apr 30, 2022

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2023

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: Oct 2023

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2024

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: Oct 31, 2021

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: Oct 2023

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-Nov 30, 2022

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2022

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: 31 Oct, 2023

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2024

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, 2022

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-Nov 2023

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Jun 30, 2021

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Feb 2024

National Pollutant Release Inventory - Historic: 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. This data holds historic records; current records are found in NPR2.

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-May 31, 2024

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Oct 31, 2024

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Oct 31, 2024

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. 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-Mar 2024; May 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Feb 2024

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Feb 2024

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2021

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994 - Oct 31, 2024

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-1990, 1992-2021

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2024

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-Apr 30, 2024

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jun 2024; Aug 2024; Oct 2024

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

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 - Apr 2024

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011 - Oct 31, 2024

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: Dec 31 2023

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.

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

APPENDIX C

CORRESPONDENCE WITH REGULATORY AGENCIES

Ontario

Ministry of the Environment, Conservation and Parks

Corporate Management Division

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

Division de la gestion ministérielle

January 7, 2025

Celine Hanna
Egis Canada Ltd

Dear Celine Hanna
RE: Request #: EPI-2025-2000005500
Site address: 6688 Franktown Road, Ottawa

This letter confirms that, after conducting a thorough search of its source system applications, the ministry has identified potential records related to your property request. Our search indicates that the ministry may hold the following records:

- Permits To Take Water[1]

If you would like to submit a Freedom of Information (FOI) request to the ministry, please return to the table on the Requests tab of the EPI application and select “Submit FOI” under the Actions column in the row identified by EPI-2025-2000005500.

If you have any questions regarding the matter, please contact the ministry at eproperty@ontario.ca.

Sincerely,

Environmental Property Information (EPI) Program

Disclaimer

This search result is provided for informational purposes only and is not intended to provide specific advice or recommendations. The Ministry of the Environment, Conservation and Parks (MECP) cannot and does not guarantee that the information provided is current, accurate, complete, or free of errors. Any reliance upon this information is solely at the risk of the user.

[1] In addition to the core reports (e.g Environmental Compliance Approval), there may be extensive supporting documentation associated with this record type. When transferring your request over to FOI, we encourage you to refine the scope of your request to only the supporting documentation required for your purposes, as the inclusion of this additional documentation can add significant processing time.

Outlook

RE: Inquiry

From Public Information Services <publicinformationservices@tssa.org>
Date Tue 2025-01-07 12:17 PM
To THIVIERGE Michael <Michael.THIVIERGE@egis-group.com>

/!\ Courriel externe - Merci d'être prudent avec les liens et les pièces jointes /!\ External email - Please be careful with links and attachments /!\

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Kimberly Gage | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3581 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org
www.tssa.org

Winner of 2024 5-Star Safety Cultures Award

From: THIVIERGE Michael <Michael.THIVIERGE@egis-group.com>
Sent: Tuesday, January 7, 2025 10:31 AM
To: Public Information Services <publicinformationservices@tssa.org>

Subject: Inquiry

Hi There,

I am working on a Phase I ESA for the property at 6688 Franktown Road in Ottawa, Ontario. I would appreciate any information in regards to any underground and/or aboveground storage tanks on these properties at your earliest convenience.

Thanks,
Michael

Michael Thivierge

Environmental Scientist, Canada

Phone: +1 416-676-6910

à affiner la portée de votre demande en ne tenant compte que des pièces justificatives requises pour vos besoins, car l'inclusion de ces documents supplémentaires peut ajouter un temps de traitement important.

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

Historic Land Use Inventory

Application Form

Notice of Public Record

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

Municipal Freedom of Information and Protection Act

Personal information on this form is collected under the authority the *Planning Act*, RSO 1990, c. P. 13 and will be used to process this application. Questions about this collection may be directed by mail to Manager, Business and Technical Support Services, Planning, Development and Building Services Department, 110 Laurier Avenue West, Ottawa, K1P 1J1, or by phone at (613) 580-2424, ext. 52815.

Background Information

***Site Address or Location:** *6688 Franktown Road, Ottawa*

** Mandatory Field*

***Applicant/Agent Information:**

Company name:	Egis Group		
Contact name:	*Celine Hanna*		
Mailing Address:	*270 Sherman Avenue North, Hamilton L8L 6N4*		
Telephone:	*437-684-8535*	Email Address:	*celine.hanna@egis-group.com*

***Registered Property Owner Information:** ☐ Same as above

Name:	*Jen Chun Kuan*		
Mailing Address:	*6688 Franktown Road, Ottawa*		
Telephone:	*613-322-5441*	Email Address:	*pm.fgs@ziyutec.com*

Site Details

Legal Description and PIN: *Part Lot 19 Concession 3 Goulbourn Part 1 4R7040, Except Part 1 4R32299 City of Ottawa, PIN - 039331060*

What is the land currently used for? *Community Use - Buddhist Temple*

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

OR Lot area: (irregular lot) 398,025 m²

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

Required Fees

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

Planning Fee $196.00

Submittal Requirements

The following are required to be submitted with this application:

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

Disclaimer
For use with HLUI Database

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

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

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

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

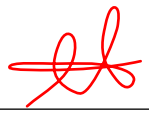
3. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the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

4. Copyright is reserved to the City.

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

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

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

Signed: 

Dated (dd/mm/yyyy): 21/01/2025

Per: Celine Hanna

(Please print name)

Title: Project Manager

Company: Egis Group

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
6688 FRANKTOWN ROAD, OTTAWA, ONTARIO

APPENDIX D

SITE PHOTOGRAPHS

egis

Photo 1: Main temple space. Library area and gift table.

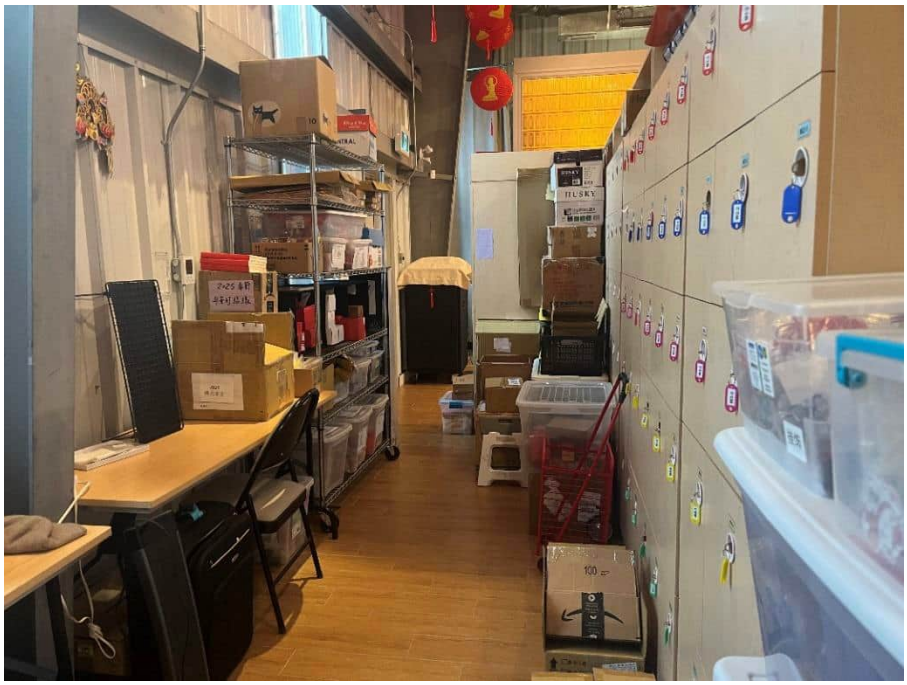


Photo 2: Locker space and file storage. East of main temple space.

Photo 3: Air purifiers in main temple space.

Photo 4: Drinking water station in main temple space. Water from drilled well is not consumed at the Site.

Photo 5: Kitchen area in main building, southeast of temple area.

Photo 6: Cleaning equipment stored in shower area of one of the three bathrooms in the main building.

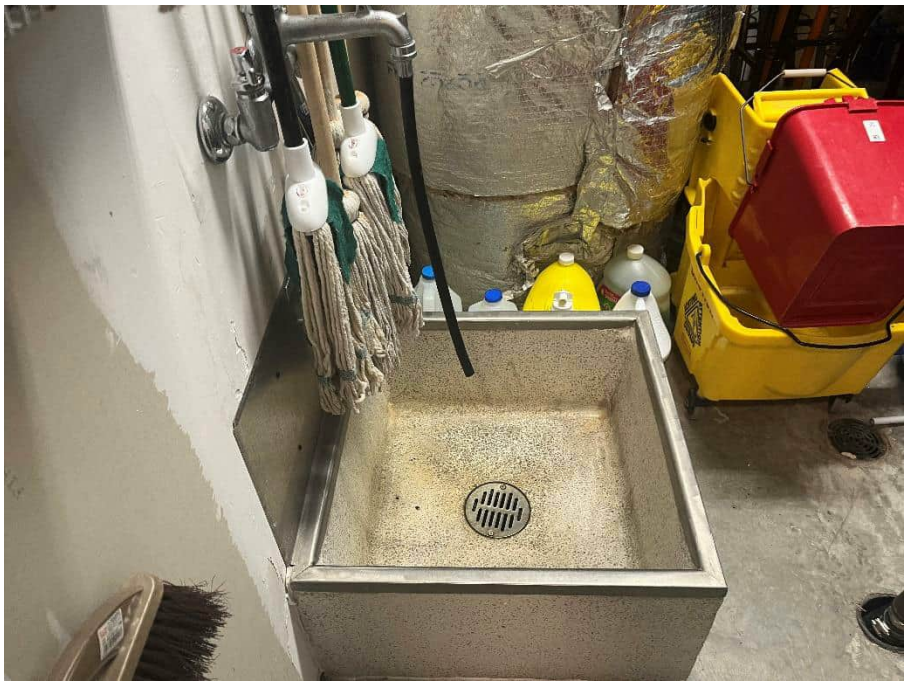


Photo 7: Laundry detergents, other cleaning supplies and drain in maintenance room within main building.

Photo 8: Kitchen space in office area, southwest of temple space in main building.

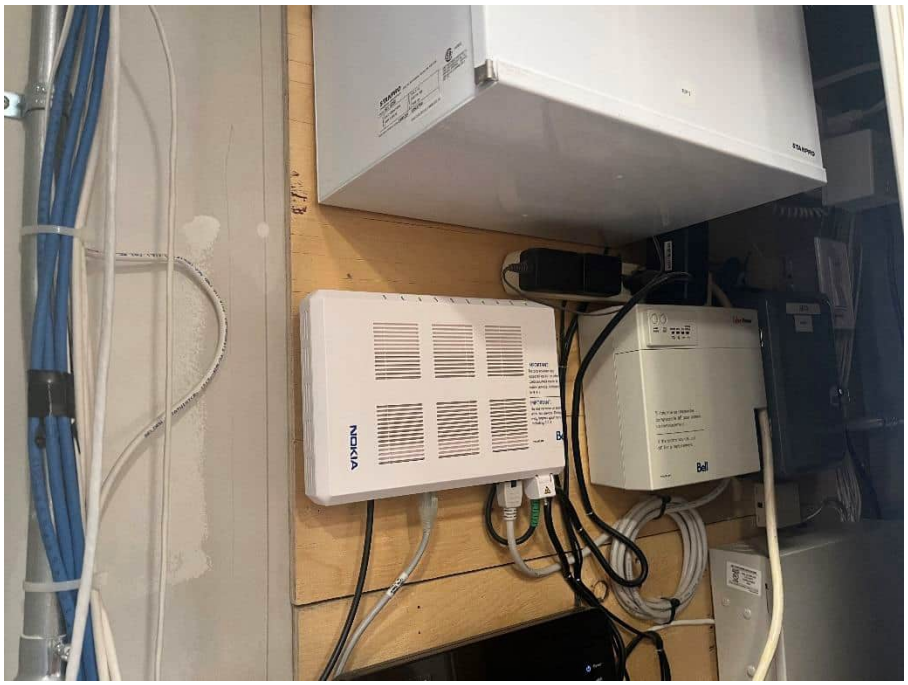


Photo 9: Electrical panel/internet hook-up area behind large doors in front entry space to the main building.

Photo 10: Exterior salt storage and evidence of salt application nearest entrance to main building.

Photo 11: Suspended heater in kitchen trailer.

Photo 12: Vegetable oil storage in kitchen trailer.

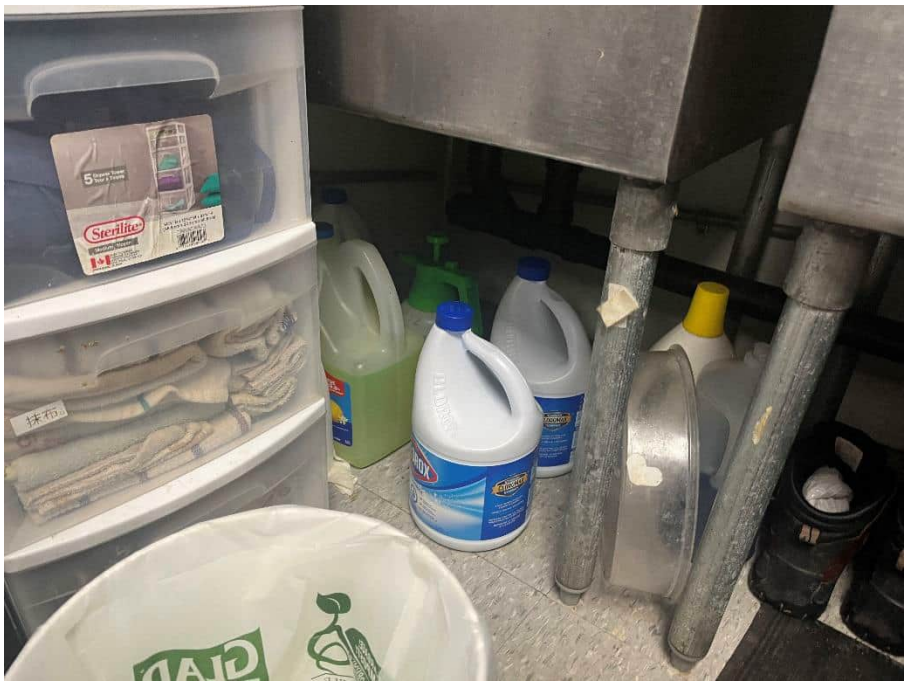


Photo 13: Cleaning chemical storage in kitchen trailer. No secondary containment.

Photo 14: General recycling and garbage outside the kitchen trailer.

Photo 15: Forced-air furnace which supplies hot and cold air to the main building. Located to the north exterior of the Site with a concrete pad underneath.

Photo 16: Large propane tank located to the north of the main building. No noted secondary containment.

Photo 17: Metal garbage bin located to the north of the main building.

Photo 18: Example of stored materials within one of the storage sheds located to the north of the main building.

Photo 19: Exterior drains, northeast of main building.

Photo 20: Two medium propane tanks which supply the kitchen trailer.

Photo 21: Small propane tanks nearest entry to exterior storage shed, located to the east of the kitchen trailer.

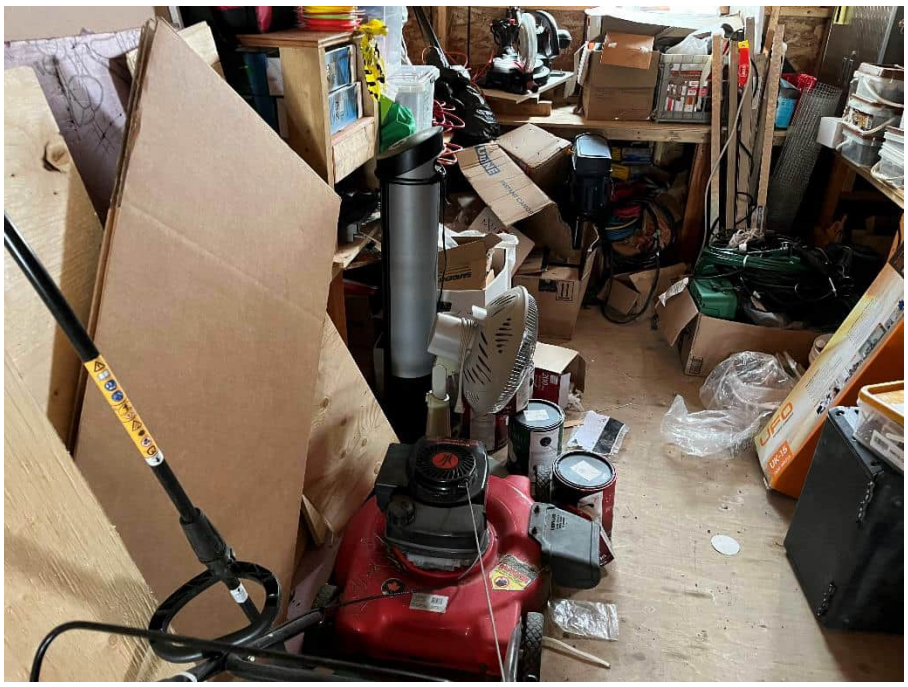


Photo 22: Supply equipment and paint can storage in storage shed to the east of the kitchen trailer.

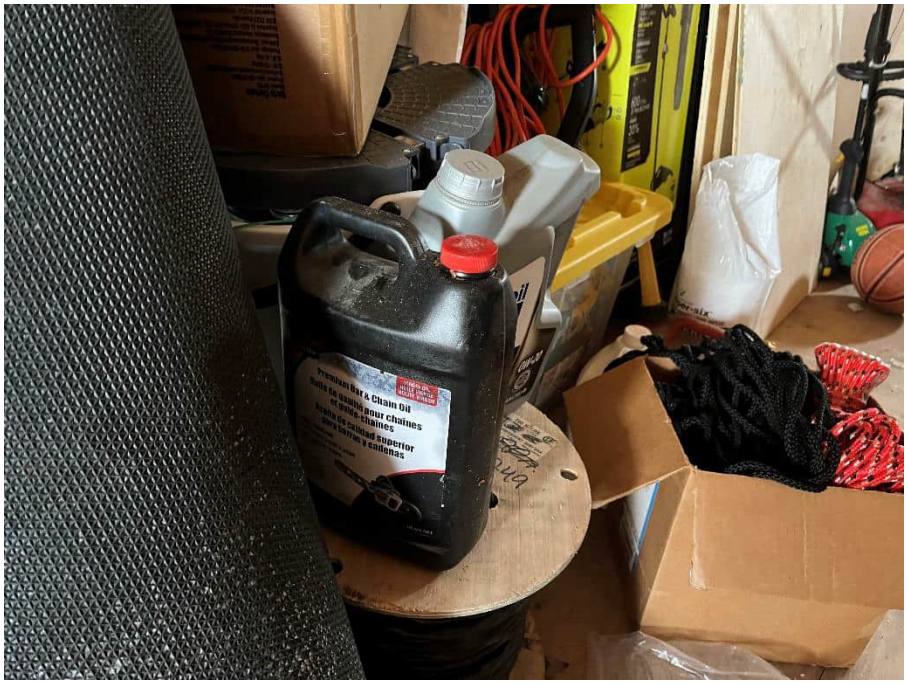


Photo 23: Bar and change oil storage in plastic storage shed.

Photo 24: Metal/wood storage in yard, east of greenhouse. Garden space also pictured.

Photo 25: Outdoor sink with empty buckets. Used for garden space.

Photo 26: Shipping crates located to the east of kitchen trailer. Could not open and assess.

Photo 27: Empty metal drum located east of plastic storage shed.

Photo 28: Mixture of soil and snow storage on the Site. South of main building.

Photo 29: Wooden storage shed, southwest of main building. Could not access.

Photo 30: Monitoring well and transformer adjacent to Franktown Road, nearest from entry of Site driveway.

Photo 31: View from front entrance to Site, looking south.