

**Phase I Environmental Site Assessment (ESA)
Pilgrim's Rest Campground
Part Lots 3 & 4, Concession 11
Township of North Kawartha, County of Peterborough**

Prepared For:

2293040 Ontario Inc.
d.b.a. Pilgrim's Rest Campground
c/o Pieter Venema
23 Cheboutiquion Drive
RR2 Lakefield, Ontario
K0L 2H0

Project #:13-1819

November 2015



ORE
Oakridge Environmental Ltd.
Environmental and Hydrogeological Services

November 20, 2015

2293040 Ontario Inc.
23 Cheboutequion Drive
RR 2
Lakefield, Ontario
K0L 2H0

Attention: **Mr. Pieter Venema**

Re: Phase I Environmental Site Assessment (ESA)
Pilgrim's Rest Campground
Part Lots 3 & 4, Concession 11 (former Burleigh)
Township of North Kawartha, County of Peterborough
Our File No. 13-1819

Dear Mr. Venema:

Oakridge Environmental Ltd. is pleased to present this report covering the results of our Phase I Environmental Site Assessment (ESA) for the above-referenced site situated on Stony Lake, northeast of Lakefield, Ontario. Our investigation has been conducted for the purpose of filing a Record of Site Condition (RSC) so that the property can be rezoned from commercial to residential land use.

Based on our investigation, it is our opinion that the subject site represents no significant risk with respect to environmental contamination and/or related liability. Furthermore, we recommend that this report be submitted for the purpose of filing an RSC.

If you have any questions or require further assistance, please contact our office.

Yours truly,
Oakridge Environmental Ltd.

Original Signed By

Brian R. King, P. Geo.

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2293040 Ontario Inc.
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23 Cheboutequion Drive
RR 2, Lakefield, Ontario
K0L 2H0

Prepared By:

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Executive Summary

This report presents the results of a Phase I Environmental Site Assessment (ESA) completed on behalf of 2293040 Ontario Inc. (c/o Mr. Pieter Venema), owner of the Phase I Property located at 23 Cheboutequion Road, North Kawartha, Ontario.

The purpose of the ESA is to determine whether historical use of the property has or is likely to have had, any significant environmental impact on the site, and that no contamination or other related environmental liability is present. This ESA has been conducted for the purpose of obtaining a Record of Site Condition (RSC), such that the Phase I Property can be rezoned from commercial to residential land use.

The Phase I Property consists of approximately 29.5 hectares (72.9 acres), comprised of forest and a seasonal trailer and camping resort (Pilgrim's Rest Campground), which contains approximately eighty seven (87) communally-serviced trailer sites in addition to approximately twenty (20) un-serviced camping sites. A small 0.43 hectare (1.1 acre) island located immediately off-shore is also part of the subject property. For all intents and purposes, the Phase I Property is also considered the RSC Property.

The Phase I study area includes the Phase I Property and adjacent lands located, wholly or partly, within 250 m of the Phase I property boundary.

The Scope of Work for this Phase I ESA was carried out in accordance with Ontario Regulation 153/04 (as amended) and our proposal of October 16, 2013, and has included the following activities:

- records review;
- site visits;
- interviews; and
- evaluation of information and reporting.

Following our review of records and background information, a site inspection was conducted on November 7, 2013, by Ms. Christa Lemelin, Senior Environmental Specialist, and Mr. Dan MacIntyre, Senior Hydrogeological Technician. The site inspection was also attended by Mr. Terry Lee, Park Manager for Pilgrim's Rest. Additionally, the site has been inspected on several occasions by Brian R. King, P. Geo., as part of this investigation and during the course of parallel studies. As part of these parallel studies, ORE staff has been routinely present at the site since 2011.

Formal inspections to update the 2013 site visit were conducted on three (3) separate occasions with the most recent site inspection completed by Mr. Dan MacIntyre on October 23, 2015. ORE staff indicates that there have been no significant changes in the operations or property use since the initial ESA inspection in 2013.

Historical uses of the Phase I Property have included minor agriculture, passive recreation and a campground.

Based on our investigation, the following conclusions are provided:

- Based on our review of available information, historical use of the Phase I Property does not appear to have included any use which would pose a liability or risk of contamination to the land.

Lands to the north, west and east consist of vacant and residential property use, and are not likely to pose a liability or risk of contamination to the Phase I Property. There are no lands immediately south of the Phase I Property as the property is situated on the shore of Stony Lake.

- No visual evidence of underground storage tanks was observed on the Phase I Property. One (1) new aboveground propane storage tank is located adjacent to the administration building at the northwest corner of the property, however, does not pose a liability or risk of contamination to the land.
- A visual inspection of the interior and exterior of the buildings was conducted. Overall, the building conditions appeared satisfactory. No major issues were discerned based on our visual observations.

No visual evidence of hazardous materials was observed during the inspection. However, based on the age of the public washroom facility, there is potential for hazardous materials to exist within the building, although none were observed at the time of our inspection. It is recommended that a designated substance survey (including asbestos) be considered prior to any renovation or demolition activities.

- Anecdotal information provided by the current owner of the Phase I Property suggests that fuel handling may have occurred on lands located east of Jack Creek. The location of fuel handling is unknown. It is also unknown if fuel storage tanks may have been present.

Based on our review of historical aerial photographs, it appears that lands to the east may have been utilized for recreational purposes (i.e., campground, marina, etc). However, our review of other databases is not suggestive of fuel handling on lands located east of the Phase I Property.

Regardless, lands located east of Phase I Property are separated from the site by Jack Creek, which forms a natural hydrogeological barrier, thereby preventing the possibility of contaminant migration to the Phase I Property.

Lands to the east appear to now be utilized as residential, as such, present activities on those lands would be considered low risk with respect to liability and/or possible risk of contamination.

- Based on our records review, site reconnaissance, interviews and evaluation of information, it is our opinion that a Phase II Environmental Site Assessment is not required. Furthermore, it is recommended that a Record of Site Condition be filed based on this Phase I Environmental Site Assessment.

Phase I Environmental Site Assessment (ESA)
Pilgrim's Rest Campground
Part Lots 3 & 4, Concession 11 (former Burleigh Township)
Township of North Kawartha, County of Peterborough

1.0 Introduction

1.1 Purpose

This report presents the results of a Phase I Environmental Site Assessment (ESA) completed on behalf of 2293040 Ontario Inc. ("client") operating as Pilgrim's Rest Campground, owner of the above-referenced site ("site") situated on the north side of Stony Lake, northeast of Lakefield, Ontario and south of Petroglyphs Provincial Park (Figure 1).

The purpose of the ESA is to determine whether historical use of the property has had, or is likely to have had, any significant environmental impact on the site, and that no contamination or other related environmental liability is present. This ESA has been conducted for the purpose of filing a Record of Site Condition (RSC), such that the property can be rezoned from commercial to residential land use, for future residential redevelopment.

1.2 Phase I Property Information

The subject property is situated on Part of Lots 3 & 4, Concession 11 (former Burleigh Township), in the Township of North Kawartha, County of Peterborough, on Northey's Bay Road, approximately 1.5 km west of County Road 6 (Figure 1). The property is bounded by Northey's Bay Road to the north, Cheboutequion Drive to the west, Stony Lake to the south and Jack Creek to the east. The entrance to the property is via Cheboutequion Road, approximately 170 m south of its intersection with Northey's Bay Road.

The subject property consists of approximately 29.5 hectares (72.9 acres), comprised of forest and a seasonal trailer and camping resort (Pilgrim's Rest Campground), which contains approximately eighty seven (87) communally-serviced trailer sites in addition to approximately twenty (20) un-serviced camping sites (Figure 2). A small 0.43 hectare (1.1 acre) island located immediately off-shore is also part of the subject property.

One (1) office building is located at the entrance to the site; this building is also utilized as a residence for the property manager. A public washroom and laundry facility building is located near the southern portion of the property.

The property can also be accessed by a fire route (Fire Route 24) that is utilized by neighbouring residents to access their private cottages located adjacent to the campground.

The municipal address for the subject property is as follows:

23 Cheboutequion Drive
North Kawartha, Ontario
K0L 2H0

The contact information for the property owner is as follows:

2293040 Ontario Inc.
c/o Mr. Pieter Venema
PO Box 370
213 Arthur Street
Wingham, Ontario
N0G 2W0
Telephone: 519-357-2606 ext. 217
Email: pieter.venema@royalhomes.com

A copy of the survey for the Phase I Property (a.k.a., RSC Property) is included in Appendix A.

2.0 Scope of Investigation

The Scope of Work for this Phase I ESA was carried out in accordance with Ontario Regulation 153/04 (as amended) and our proposal of October 16, 2013, and has included the following activities:

- records review;
- site visit;
- interviews; and
- evaluation of information and reporting.

Following our review of records and background information, an initial site inspection was conducted on November 7, 2013, by Ms. Christa Lemelin, Senior Environmental Specialist, and Mr. Dan MacIntyre, Senior Hydrogeological Technician. The site inspection was also attended by Mr. Terry Lee, Park Manager for Pilgrim's Rest.

The site has also been inspected on several occasions by Brian R. King, P. Geo., as part of this investigation and during the course of related parallel investigations (i.e., hydrogeological and environmental impact). As part of those parallel studies, ORE staff including Mr. Dan MacIntyre and Mr. Brad Pettersone, Environmental Technician have been routinely on-site since 2011.

Specific inspections to update the work completed in 2013 were conducted on a number of occasions by Mr. Dan MacIntyre. Those inspections were carried out on four (4) separate occasions throughout 2014 and 2015.

There have been no changes in the property use and no significant changes in the operations at the campground since the initial inspection in 2013.

3.0 Records Review

3.1 General

3.1.1 Phase I Study Area Determination

The Phase I study area includes the subject property and adjacent lands located (wholly or partly) within 250 m of the Phase I Property boundary (Figure 2).

A review of current and historical sources of reasonably accessible information for the Phase 1 study area was conducted to identify current and past uses and activities affecting the Phase I Property and to interpret Areas of Potential Environmental Concern (AEPC).

3.1.2 First Developed Use Determination

The first developed use of the property was determined through a review of aerial photographs and a Stage 1 & 2 Archeological Study completed by Northeastern Archaeological Associates Ltd., in November 2012. In addition, further information was obtained through an interview with the current owner, Mr. Pieter Venema.

According to Mr. Venema, the property was first developed in the 1950s or 1960s. A review of aerial photography supports this information, as no development is observed in 1929 aerial photo images, however, a few small establishments are observed along the lakeshore in 1962.

The archaeological report also indicates that no structures were present on the site in 1875 (according to an 1875 Atlas map) and that the property was not used until the mid 20th century (i.e., 1950s), when clearing for the trailer park commenced. It was also provided that the property was not privately owned in 1875, according to the Directory of the County of Peterborough.

3.1.3 Fire Insurance Plans

Fire Insurance Plans were not available for the subject site or surroundings lands. As such, no Fire Insurance Plans were reviewed.

3.1.4 Chain of Title

A title search was conducted by Richard J. Taylor (Barrister, Solicitor, Notary Public). A letter provided by Mr. Taylor on June 27, 2014 indicates that the property was held by Ms. Leslie Agnes Holder for more than 40 years. The subject property was also in Ms. Agnes' family for a significant time. A copy of the letter is provided in Appendix B.

3.1.5 Environmental Reports

The following environmental reports were reviewed as part of this investigation:

Dobri Engineering Ltd; Preliminary Stormwater Management Report, Pilgrim's Rest, Part Lots 3 & 4, Concession 11 (Burleigh), Township of North Kawartha, County of Peterborough; July 17, 2015.

Northeastern Archaeological Associates Ltd; Stage 1 and 2 Archaeological Assessment of Pilgrim's Rest, Campground Property, Part Lot 3 and 4, Concession 11, Township of North Kawartha, Peterborough County, Ontario; November 2012.

Northeastern Archaeological Associates Ltd; Draft Stage 3 Archaeological Assessment of BdGm-22, Part Lot 3, Concession 11, Geographic Township of Burleigh, County of Peterborough, Ontario; October 23, 2015.

Oakridge Environmental Ltd.; Physical Conditions Survey, Proposed Cheboutequion Drive Entrance, Pilgrims Rest Trailer Park, Part of Lots 3 & 4, Concessions 10SD & 11 (Burleigh), Township of North Kawartha, Our File No. 11-1463; September 29, 2011.

Oakridge Environmental Ltd.; Stage 1 Hydrogeological and Site Servicing Study, Proposed Residential Development, Pilgrim's Rest Campground Part Lots 3 & 4, Concession 11 (Burleigh), Township of North Kawartha, County of Peterborough, Our File No. 12-1629; August 23, 2013.

Oakridge Environmental Ltd.; Draft Hydrogeological and Site Servicing Study, Proposed Residential Development, Pilgrim's Rest Campground Part Lots 3 & 4, Concession 11 (Burleigh), Township of North Kawartha, County of Peterborough, Our File No. 12-1629; May 11, 2015.

Oakridge Environmental Ltd.; Draft Environmental Impact Study, Proposed Residential Redevelopment, Pilgrim's Rest Campground Part Lots 3 & 4, Concession 11 (Burleigh), Township of North Kawartha, County of Peterborough, Our File No. 12-1629; July 24, 2015.

These reports reveal no indication or evidence of environmental contamination at the subject property.

3.2 Environmental Source Information

The following environmental sources of information were reviewed as part of this investigation:

Environment Canada

National Pollutant Release Inventory (NPRI)

Environment Canada maintains an inventory of pollutant releases (air, water and land), disposal and transfers for recycling.

A search of their inventory revealed no records for the Phase I Study Area.

Ontario Ministry of the Environment and Climate Change (MOE)

Freedom of Information and Privacy Act Request

MOE maintains an internal database which includes information regarding environmental concerns on sites throughout the Province. To obtain copies of those historical documents, it is necessary to submit an application to the Ministry's Freedom of Information office.

The Ministry conducts a search of their internal files including District Office files, Investigations and Enforcement Branch, Environmental Assessment and Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch. Search parameters include Environmental Concerns, orders, spills, investigations/prosecutions, waste generator information, as well as Certificates of Approvals (for water, waste, air, pesticides, etc.)

A formal application was forwarded to the ministry and a response was received that provided information related to the drinking water system for the campground. Those records are dated between 2003 and 2004.

Overall, the records indicate that the drinking water system was not being operated in accordance with the requirements of Ontario Regulation 170/03. The records also indicate that adverse water quality samples (bacteria and trihalomethanes) were reported for the drinking water system during that time.

Drinking water is obtained from Jack Creek, located along the eastern boundary of

the subject property. Exceedances of bacteria would be expected, if the water taken from the creek is not properly treated. Trihalomethanes can also be found in treated surface water, in systems where chlorination is utilized, and if organic matter occurs in the raw water. However, those results do not suggest the potential for contamination of the subject site.

A review of the records reveal no indication or evidence of environmental contamination at the subject property.

Copies of the records are presented in Appendix C.

Brownfields Environmental Site Registry

The Ontario Ministry of the Environment's online Environmental Site Registry was searched to determine if any Record of Site Conditions have been filed for the property or surrounding lands.

The search resulted in no records found for the site or adjacent lands.

Environmental Bill of Rights (EBR) Environmental Registry

The MOE maintains a registry of public notices about environmental matters being proposed by all government ministries. The notices may contain information about proposals that may affect a community.

A search of the registry was conducted. The search resulted in no records found for the subject site or adjacent lands.

Access Environment

MOE maintains an online search tool that allows the public to search MOE approvals and registration information from December of 1999 onward.

A search was conducted for the subject site and surrounding lands. No records were found for the subject site or adjacent lands.

Interactive Maps

The MOE maintains an online interactive mapping tool that allows users to review information regarding Permits to Take Water, Provincial Groundwater Monitoring Network, Provincial Water Quality Monitoring Network, and Well Record Data.

Based on our review, fourteen (14) records were reported for the subject site. We note that twelve (12) of these well locations plot in the middle of the lot and concession. As such, it is likely that the locations of these wells have not been plotted correctly.

One (1) record is located just west of the centroid, and is reported to have been drilled in 1957. This well is not known to exist on the property.

Other than new wells very recently constructed as part of an on-going hydrogeological study, the only reported well to exist on the site is the well located at the newly constructed administration office located near Cheboutequion Drive. This well was constructed in 2012 for the purpose of supplying water to the administration office and associated residence.

Other wells are reported within the surrounding lands, however, are not indicative of any concern to the subject site.

The well map and relevant records from our search are found in Appendix C.

Inventory of Coal Gasification Plant Waste Sites

An inventory of coal gasification plant waste sites in Ontario was prepared by Intera Technologies on behalf of the MOE in 1987. According to this inventory, gas plants were identified in 36 communities across Ontario.

A search of the inventory found no gas plants that operated on the subject site or surrounding lands.

Waste Disposal Site Inventory (1991)

The MOE maintains an inventory of known active and closed waste disposal sites in the Province. The 1991 document also provides the locations of municipal coal gasification plant sites and coal tar sites.

A search of the inventory found no records of interest for the subject property or adjacent lands.

Ontario Ministry of Natural Resources and Forestry (MNRF)

Land Information Ontario

MNRF maintains a web application that allows users to view topographic and spatial information about a property, including municipal boundaries, waterbodies, wetlands, etc.

A search of the application illustrates Jack Creek, located along the eastern boundary of the property. A tributary of Jack Creek is also noted along the northern portion of the site. Various pockets of wetland are illustrated along Jack Creek and the tributary, and along some of the eastern portions of the site. A large Provincially Significant Wetland (PSW), referred as Hull South Bay Wetland Complex, is located adjacent to the southern boundary of the property on Stony Lake. A small portion of the wetland is located on the southwestern side of the Phase I property, between the beach and the adjacent western property.

An unknown transmission line is noted to traverse the northern half of the site, from northwest to southeast, connecting to an adjacent property. Based on site inspections, this line was observed to be a low voltage hydro-electric corridor which supplies power to residences on the east side of Jack Creek.

County of Peterborough

Official Plan

A search of the Official Plan for the Regional County of Peterborough was conducted. The search found no records of interest for the subject property or adjacent lands.

Geographic Information System (GIS)

A search of the County's GIS interactive mapping software was conducted. According to our search, the Phase I Property was noted to be located at 2250 Northey's Bay Road in the Township of North Kawartha, with roll numbers 153602000311500 for the mainland, and 153602000311525 for the island.

Two (2) land uses were identified for the subject property: Rural on the northern portion, and Recreational Commercial in the south. Land use on the island is not identified. Surrounding land uses include seasonal residential and rural. Some lands to the east and north are designated Environmental Constraint, and likely associated with nearby waterbodies and wetlands.

A Provincially Significant Wetland, referred as Hull South Bay, is located adjacent to the southern property boundary.

Township of North Kawartha

A search of local schedules for the Township of North Kawartha provided that the subject property is designated rural on the northern portion and recreational commercial on the southern portion.

Mr. Jim Sangster, Building Inspector for the Township of North Kawartha, was contacted to obtain additional information for the subject property. Mr. Sangster provided that very little information was available for the site. Mr. Sangster did provide that the property is zoned Rural (RU) and that the (communal) septic system was approved by the MOE in 1974. Some additional information was provided regarding the soil conditions with respect to the percolation rates for the septic bed.

Ecolog ERIS

A thorough records review was conducted through Environmental Risk Management Services (Ecolog ERIS Ltd.). ERIS reports provide current and historical environmental information including federal, provincial and private sector databases for properties in Canada, and are utilized to help identify environmental concerns associated with a particular property.

The report provided by ERIS included a search of approximately sixty (60) Ontario databases (federal, provincial and private) within a 300 m buffer from the property boundary of the subject site. In addition, six (6) maps were provided with the ERIS report, comprised of an ANSI (Area of Natural and Scientific Interest) map, a bedrock and surficial geology map, a physiography map, an Ontario Base Map (OBM) and a soil map.

Our review of the various ERIS databases searched resulted in twenty-eight (28) groundwater well entries located on or within a 0.30 km radius of the site (Appendix D). Thirteen (13) of the wells plot directly on the subject site, however similar to the MOE well record database, the majority plot in the centre of the lot and concession. Based on our site inspection (and previous investigations), only seven (7) wells are located on-site. All seven (7) wells were drilled within the last few years, as part of our on-going hydrogeological studies for a planned re-development application.

No other entries of significance were noted.

Based on the above information, there is no record of a previous use which would directly indicate or suggest a heightened potential for contamination by spill or release on the subject site or neighbouring properties.

Technical Standards and Safety Authority (TSSA)

A request was made to the Technical Standards and Safety Authority (TSSA) to obtain any available records pertaining to the subject site.

Public information services of the TSSA provided that no records of fuel storage tanks at the subject site were available from their database.

City Directories

City directories were not available for the subject site. As such, city directories were not reviewed.

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

As part of our background data review, available aerial photographs from 1929, 1962, 1966, 1978, 1987, 2002, 2008 and 2013 were obtained and examined. Copies of the photos are presented in Appendix E.

Our review of the photographs revealed the following:

1929 (A1907-63), National Air Photo Library

In 1929, the Phase I Property appears vacant, with no obvious structures located on-site. An open area is observed in the central portion of the property, consistent with the location of the current maintenance yard. This area appears to have been partly utilized for agricultural purposes. A bridge appears to be located on Jack Creek, linking the property to the east with the Phase I Property. Some small trails are noted along the southeastern boundary of the site. Lands to the north and west appear to be vacant and wooded. Lands to the east are consistent with agricultural use. Access to the site appears to occur from the east side of Jack Creek.

1962 (A17783-82), National Air Photo Library

In 1962, a few structures are noted near the shoreline on the southeastern portion of the Phase I Property. Similar structures are noted on the east side of Jack Creek. Some trails are noted within the open area of the subject property, possibly from extraction of the sand and gravel. A large wetland area is located north of this area. Access to the site appears to occur from the east side of Jack Creek.

1966 (A20339-3), National Air Photo Library

Conditions in 1966 appear similar to those in 1962, although a road or pathway appears to have been constructed. This pathway transects the Phase I Property, from east to west, and crosses the northern portion of the open area. The pathway is also consistent with the hydro-electric corridor that currently exists on-site, and continues westward for some distance. Access to the site appears to occur from the east side of Jack Creek.

1978 (78-4442-142-28), Ontario Ministry of Natural Resources

In 1978, Northey's Bay Road and Chebouteqion Road appear to have been constructed. Clearing of the campground area, along the southern portion of the Phase I Property is noted. Several structures consistent with cottages or trailers are observed within the cleared area. A structure consistent with the communal washroom facility is noted in the same location. Recreational watercraft are noted to be moored along the shoreline. Additional development is observed on the lands east of Jack Creek, consistent with residences and recreational camping facilities. Access to the subject site appears to occur from the east side of Jack Creek.

1987 (A27121-130), National Air Photo Library

Conditions in 1987 appear similar to those in 1978.

2002, VUMAP, First Base Solutions, JD Barnes and Associates

Access to the Phase 1 Property from Northey's Bay is noted in 2002. The road leads from north to south, toward the campground area. A structure is located adjacent to the northwest corner of the property, consistent with a residence. Access to the campground is noted to pass through this adjacent property. A structure appears to be located in the southern portion of the cleared area. Additional residential development is noted along the shoreline, to the east and west. Roads leading to the Petroglyphs Provincial Park are noted north of the subject site.

2008, VUMAP, First Base Solutions, JD Barnes and Associates

Conditions in 2008 are similar to those in 2002.

2012, VUMAP, DigitalGlobe, USDA Farm Service Agency

Conditions in 2012 are similar to those in 2008. An additional structure is noted on the Phase I Property, within the northwest corner. This structure is consistent with the administration office/residence. A road is noted to have been constructed from Chebouteqion Drive, to the administration building. Boats are noted to be stored within the maintenance yard.

2013, County of Peterborough GIS

Conditions in 2013 are similar to those in 2012.

3.3.2 Topography, Hydrology and Geology

Topography and Hydrology

The site is situated at the southern edge of the Canadian Shield. As such, the topography is dominated by rock knobs and trough-like valleys which often contain wetlands or pockets of poorly drained soil. Total relief across the site is approximately 20 m, as measured from Northey's Bay Road (255 masl) to the lakeshore (235 masl).

The subject property contains a series of small scarps and somewhat discrete plateau-like areas, typically with a few metres of elevation difference between them. The distribution of these features is controlled by the bedrock structure.

Most of the northern part of the site is forested and unimproved. In contrast, the existing camp occupies a cleared and comparatively level area within 250 m of the shoreline. The camp area appears to have been subjected to considerable grading and filling over time, including the creation of filled areas along several parts of the shore. In several instances, filling has replaced lacustrine shoreline wetland areas.

The site's drainage pattern is somewhat complex, resulting from the Shield terrain. The major watercourse (other than Stony Lake) is Jack Creek, an important perennial feature which defines approximately half of the site's eastern boundary. To the north and east of the site, Jack Creek is a fairly wide, slower-flowing stream associated with wetland conditions. Closer to the lake, the creek occurs in a deeply incised valley wherein flows cascade over the bedrock, forming attractive rapids and falls.

A sluggish bifurcated stream system crosses the northern part of the site, entering the property primarily via culverts below Northey's Bay Road. Some of those flows appear to originate in the adjacent Provincial Park to the north and are mapped by the MNR as permanent streams. Some seasonal flows may also contribute, following minor swales. Typically, the flows occupy several narrow, poorly defined channels with associated "pocket wetlands" occurring in low lying areas between the rock outcroppings. Although possible to cross on foot with some difficulty, this network of streams and wetlands effectively forms a barrier to mechanized crossing, separating the northernmost part of the property from the rest of the site.

Drainage on the site is somewhat complex with three local drainage divides occurring on the previously developed portion of the property. One of these local drainage divides occur near the centre of the site, essentially at the existing internal road (Figure 3). To the east, drainage is southeastward to a small unevaluated wetland associated with Jack Creek. To the west, drainage occurs in a small stream feature associated with low-lying wet area (possible wetland) that drains through a culvert below Fire Route 24. This feature appears to collect and convey groundwater seepage from the base of the rock, plus any accumulated runoff. The presence of the drainage

divide and existing road provides a crossing for these drainage features.

A second (minor) local drainage divide splits surficial drainage between the wetlands associated with a small tributary of Jack Creek on northeast side of the hydroelectric corridor and the unevaluated wetland to the southeast that is associated with Jack Creek.

The third local drainage divide is located near the northern extent of the current trailer sites (Figure 3). On the south-side of the divide, surface water flows south into Stony Lake while on the north-side flows are split between the unevaluated wetland associated with Jack Creek and the small tributary that drains towards Fire Route 24.

The remainder of the property drains through the central wetland area associated with Jack Creek.

Surficial and Bedrock Geology

The bedrock geology is entirely composed of Precambrian age rocks, consisting of granitic gneiss and iron rich metasediments (rusty schists), as illustrated by Figure 4. Typically, these rock types are dense and competent, although the rusty schist (also referred to as a type of "iron formation") can be friable, with reduced competency. These iron rich rocks could be a source of iron mineralization for local groundwater and surface water.

Published mapping indicates that a NE-trending fault zone occurs along the path of Jack Creek. In reality, the creek is likely following the rock fissure caused by the fault zone. The fault zone may be an important feature of the bedrock with respect to the movement of groundwater and may be of interest with respect to aquifer exploration.

Published mapping indicates that the site's physiography is nondescript, consisting of thin soils overlying bedrock. However, aggregate resources mapping provides some detail regarding the distribution of granular deposits in the area, including two small occurrences on (or partially on) the subject site (Figure 5).

The two granular deposits consist predominantly of outwash sand and are classified as "secondary" deposits in terms of their resource importance. Both contain 1.5 m to 5 m of sand, described as "suitable for pit-run uses" only.

Based on our site observations, the extent of the two sand deposits appear to have been grossly exaggerated by the mapping. However, the general locations are reasonably accurate. The central sand deposit has been historically exploited on the site, possibly for shoreline reclamation, maintenance of the small beach area and to provide fill for miscellaneous purposes.

3.3.3 Fill Materials

Fill materials are not suspected to have been imported to or utilized at the site. It is understood that a small area of the property was historically extracted for the purpose of obtaining aggregate materials to be utilized for the campground. This native sand for all intents and purposes is the only "fill" known to occur on the property.

During previous investigations conducted by ORE, the on-site geology, soil and terrain conditions were explored with a series of twenty-five (25) test pits and six (6) hand-auger holes that were excavated about the site to expose the shallow subsurface.

The results of those investigations revealed no evidence of imported fill materials, or of contamination.

3.3.4 Water Bodies and Areas of Natural Significance

The subject property is bound to the east by Jack Creek and to the south by Stony Lake, which forms part of the Trent-Severn Waterway. A tributary to Jack Creek also occurs on the northern portion of the property, heading from northwest to southeast. Small pockets of wetland also occur within the subject property, mainly adjacent to Jack Creek. A tributary of Stony Lake originates beneath the current access road, just north of existing trailer sites and flows south-west towards Fire Route 24.

According to the Ecolog ERIS report, no Areas of Natural Significance (ANSI) were identified within the Phase I Study Area, or within 2 km of the Phase I Property. However, our background review of the MNR data revealed that a Provincially Significant Wetland (PSW), referred as Hull South Bay Wetland Complex is located adjacent to the southern property boundary, on Stony Lake. A small portion of the wetland is located between the beach and the western adjacent property.

3.3.5 Well Records

Our review of the Ecolog ERIS database search resulted in twenty-eight (28) groundwater well entries located on or within a 0.30 km radius of the site (Appendix D). Thirteen (13) of the wells plot directly on the subject site, however, based on our site inspection (and previous investigations), only seven (7) wells are located on-site. All seven (7) wells were drilled within the last few years, as part of our on-going hydrogeological studies for a plan of condominium application. Part of those studies included water quality testing. The results of those analyses were not indicative of any concern for the Phase I Property or surrounding lands.

As part of other investigations for the Phase I Property, a door-to-door well survey was conducted by ORE staff in 2013 for properties located within 500 m of the subject property. At that time, residents were asked to provide basic information on their well, sewage system and occupancy in order to assess local servicing conditions. Information obtained during the survey was not indicative of any concerns for the subject property or surrounding lands.

Well records for the site are found in Appendix F.

3.4 Site Operating Records

Although the Phase I Property is not an enhanced investigation property, Site Operating Records have been reviewed as part of other investigations.

Daily water taking records for the potable water utilized at the campground were reviewed as part of the hydrogeological investigations conducted by ORE to support a proposed re-development application. Those records were reviewed to determine the average daily peak usage at the campground, as well as the average waste loading. Based on our review of that data, it was determined that the campground uses approximately 5,000 litres of potable water per day, during peak usage times.

4.0 Interviews

To verify the accuracy of the records obtained for the Phase I Study Area, and to obtain supplemental information, interviews were conducted with persons familiar with the subject property and surrounding lands.

The current owner, Mr. Pieter Venema, and the Parks Manager, Mr. Terry Lee were interviewed. In addition, Mr. Jim Sangster, Building Inspector for the Township of North Kawartha, was contacted to obtain additional information regarding the property and surrounding lands.

The interview with Mr. Lee was conducted by Ms. Christa Lemelin and Mr. Dan MacIntyre during the site reconnaissance on November 7th, 2013. Mr. Lee provided access to all areas of the Phase I property. Mr. Venema was interviewed through email and telephone by Ms. Lemelin on October 18th, December 9th, 10th, and 16th, 2013. Mr. Sangster was contacted by telephone and email on March 19th and 20th, 2014.

The interviews included a series of questions related to the historical and current use of the property.

Mr. Venema provided that the Phase I Property was vacant prior to becoming a campground and that the lands to the east, separated by Jack Creek, were previously

part of the camping facility. It was suggested that the lands to the east may have handled fuel for fueling boats, however, it is unknown if fuel storage ever existed. No fuel handling activities have occurred on-site, other than minor fuel handling for filling up the lawn mower, or small portable fuel containers brought on-site by campers for boats. No chemicals are stored on-site, with the exception of small quantities of household chemicals and general purpose lawn fertilizer.

Mr. Lee provided that the permanent structures on-site are approximately 50 to 60 years old, and that they are not heated, with the exception of the administration office/residence. This structure is heated by propane, with a 500 lb above-ground propane tank located outside, near the structure.

Mr. Jim Sangster, Building Inspector for the Township of North Kawartha, was contacted to obtain additional information for the subject property. Mr. Sangster provided that very little information was available for the site. Mr. Sangster did provide that the property is zoned Rural (RU) and that the septic system was approved by the MOE in 1974. Some additional information was provided regarding the soil conditions with respect to the percolation rates for the septic bed.

5.0 Site Reconnaissance

5.1 General Requirements

A site inspection was completed by Ms. Christa Lemelin and Mr. Dan MacIntyre on November 7th, 2013. The inspection is intended to determine whether any surficial indicators of actual or potential contamination are present. Mr. Terry Lee, Park Manager, was in attendance during the inspection. Photos illustrating site conditions are found in Appendix G.

Subsequent inspections were conducted on May 9th, 2014, August 25th, 2014, February 19th, 2015 and October 23rd, 2015 for the purposes of updating the information gathered on November 7th, 2013. Mr. Terry Lee was present during those inspections and indicated that there had been no significant changes in the operation of the campground.

5.2 Specific Observations at Phase I Property

5.2.1 General

The site reconnaissance was conducted on November 7th, 2013. Access was provided to all areas of the Phase I Property. The site has been attended on several occasions since 2011 by ORE staff for the purpose of conducting natural environment and hydrogeological studies being prepared in support of the redevelopment application.

A gravel entrance is located off Cheboutequion Road, leading to the administration building and campground. This building was recently constructed in 2013 and is heated by propane and serviced by a new well and septic system.

A secured gated access allows campers and staff entry into and out of the campground. Another gate blocks access to an adjacent property to the north (formerly part of the campground). A storage shed is located next to this gate.

Approximately 87 mobile camping trailers are located in the campground area, at the southern portion of the property. All of those camping sites are serviced with potable water, 30-amp electrical service and a grey water pit. The septic waste ("septage") is stored in each trailer's holding tank, which is pumped out manually by campground staff. The collected septage is dumped through a "dumping station" into the main sewage disposal system located east of and adjacent to the public washroom facilities.

Communal washroom, shower and laundry facilities are located at the southern most portion of the property. These facilities are not heated. A small storage area is also found within this building.

Dense forests occupy the remaining lands. Jack Creek is located along the eastern boundary, with a small tributary located in the northern portion. A small fish hut is located within the camping area. This fish hut is utilized by campground patrons to clean their fish during the operating season.

The drinking water pumphouse and treatment system is housed within a small storage shed, located next to Jack Creek, at the southern portion of the site. Raw drinking water is obtained from Jack Creek and treated by chlorination prior to distribution.

Docking facilities are located along the shoreline of the campground, closer to the eastern side of the site. A small pocket of wetland vegetation is located near the docking areas. A sandy beach area is located on the western portion of the shoreline, along with a picnic shelter. The island associated with the Phase I property is located across from this area. The island is vacant and has no structures located on it.

A maintenance yard is located northeast of the main campground area. This area is used to store small recreational boats during the off-season. A storage shed is located within this area, and consists of various maintenance tools and a lawn tractor. It is understood that sand and gravel were historically extracted from this area and utilized throughout various areas of the campground during the initial construction. No evidence of surficial soil staining was observed in this area.

A composting area is located north of the maintenance yard. In addition, a storage area for metal scrap and wood/brush were noted nearby. It is understood that wood/brush are burned on-site and that metal scrap is recycled on an "as needed"

basis. On-site garbage is collected every evening during the summer and placed in a steel bin, which is tipped bi-weekly.

A hydro-electric corridor is located within the northern portion of the property, just north of the maintenance yard. The transmission lines are pole mounted, crossing the Phase I Property from northwest to southeast. The power lines and associated right-of-way are maintained by Hydro One.

Underground utilities consist of telephone and electrical cables that service individual camping sites. Potable water is also piped underground to the individual serviced camping lots, and to the communal washroom facility.

A total of six (6) additional drilled wells are located on the property. These wells have been recently drilled as part of hydrogeological investigations being conducted for the purpose of a planned re-development application. The wells are not currently utilized, however, have undergone rigorous testing as part of those investigations. The results of the field observations and analyses were not indicative of any concern for the Phase I Property or surrounding lands.

In addition to the recently drilled wells, a series of twenty-five (25) test pits and six (6) hand-auger holes were excavated about the site to expose the shallow subsurface in June 2013. These activities were completed in support of the hydrogeological study for the planned re-development application.

Briefly, those investigations revealed that the planned re-development area of the site is dominated by granitic bedrock subcrops covered with a thin layer of sand (SP type) with silt and occasional gravel. The sand deposits occur in a variety of thicknesses between areas of bedrock outcrops.

In depressed areas between outcrop and subcrop locations, black organic silty topsoil occurs in thicknesses ranging between 10 and 50 cm. Typically, silty sand with trace gravel occurs below the topsoil in these locations.

At the southern extent of the site, the subsurface soils are dominated by sand fill with gravel and occasional cobbles/boulders. Most of the sand fill on the previously developed lands seem to have originated from the small sand pit that was once located in the central portion of the site.

Information obtained from those investigations were not indicative of any concern. No evidence of soil staining or contamination was observed in the soils collected during the investigations.

5.2.2 Fuel and Chemical Storage

Underground Storage Tanks (USTs)

Based on our review of background information and our site reconnaissance, no underground storage tanks (USTs) appear to be located on-site. Mr. Venema and Mr. Lee informed ORE staff that they are not aware of any USTs located within the Phase I Property.

Aboveground Storage Tanks (ASTs)

At the time of our inspection, one (1) aboveground storage tank (ASTs) was observed on-site. A 500 lb propane tank is located south and adjacent to the administration office/residence. This tank was recently installed in 2013, when the administration building was constructed.

The tank appeared new with no rust or leaks. The locations of the AST is illustrated in Figure 6.

Other

Small quantities of various cleaning supplies and garage related items were noted (i.e. household cleaning supplies, paint, etc.). No large quantities of chemicals were observed to be stored on-site.

5.2.3 Hazardous Building Materials

Asbestos-Containing Materials (ACMs)

Asbestos was widely used in sprayed-on materials and in pipe and boiler insulation until the 1970s. Many other asbestos-containing materials (ACMs) continued to be used until the 1980s.

It is our understanding that the washroom facilities and storage sheds were likely constructed in 1950s or 1960s. As such, there is potential for friable and non-friable asbestos-containing materials (ACMs) to exist within the buildings, although the potential is considered low. The washroom facilities are not heated, further reducing the potential for these materials to exist.

ORE staff were informed that no asbestos surveys have previously been conducted for the building. ORE did not conduct an asbestos survey as part of this Phase I ESA, nor was any intrusive sampling or inspection conducted.

Polychlorinated Biphenyls (PCBs)

Polychlorinated biphenyls (PCBs) were used in the manufacturing of electrical equipment, heat exchangers, hydraulic systems and other applications until the late 1970's. The import, manufacture and sale of PCBs were made illegal in 1977 and release of PCBs to the environment was made illegal in 1985.

Given that the current buildings (excluding the camp office/residence) were constructed in the 1950s or 1960s, there is potential for PCBs to exist on-site.

Lead-Based Materials

The likelihood that a building contains lead-based materials (i.e., paint) is based on the age of construction. Buildings constructed and painted before 1960 probably contain lead-based paint, while those built between 1960 and 1990 may have small amounts of lead in some of the interior painted surfaces.

Given the age of the buildings, there is a potential for lead-based materials to exist.

Urea Formeldahyde Foam Insulation (UFFI)

Urea Formeldahyde Foam Insulation (UFFI) was commonly used in the 1970s for insulating and retrofitting industrial, commercial and older residential buildings.

Given the age of the building, the potential for UFFI to exist is low. UFFI was not observed during the interior building inspection.

Ozone Depleting Substances

The most common uses of ozone-depleting substances are refrigerants in commercial and residential air conditioners and refrigerators.

Small air-conditioning units and refrigerators are likely utilized by campers during the summer season. However, no bulk storage of ozone-depleting substances were noted during the site reconnaissance.

5.2.4 Air Discharges and Odours

The current owner holds no permits or approvals related to air emissions or discharges. No unusual odours were detected during the site reconnaissance.

5.3 Neighbouring Lands

Lands to the North

Lands to the north consist of Northey's Bay Road and the Petroglyphs Provincial Park. A residential lot is located northwest and immediately adjacent to the Phase I Property. This lot was once part of the subject property, however, was severed when the subject property was purchased by the current owner.

During the summer of 2014, Northey's Bay Road was subject to enhancements and re-paving of the roadway. Inspections of the sections of Northey's Bay Road that abut the Phase 1 property revealed no evidence of any spills or contaminant releases as apart of those construction activities.

Lands to the South

Lands to the south consist of Stony Lake and its associated islands.

Lands to the East

Lands to the east consist of woodlands, wetlands and Jack Creek. A seasonal residential development is located on the east side of Jack Creek.

Lands to the West

Lands to the west consist of Cheboutequion Drive and Fire Route 24, in addition to woodlands and some wetland pockets. Seasonal residences are located along the shoreline of Stony Lake.

5.4 Written Description of Investigation

The Phase I ESA has included a review of records from reasonably available sources, a site reconnaissance of the Phase I Property, interview with persons that are familiar with the Phase I Property, and an evaluation of information and reporting.

The site reconnaissance and interviews were conducted on November 7, 2013, by Ms. Christa Lemelin, Senior Environmental Specialist, and Mr. Dan MacIntyre, Senior Hydrogeological Technician, after an evaluation of the information obtained during the records review. Subsequent inspections were conducted by Mr. Dan MacIntyre on four (4) separate occasions in 2014 and 2015 to update the information obtained in 2013.

6.0 Review and Evaluation of Information

6.1 Current and Past Uses

A review of the available records obtained indicate the following current and past uses for the Phase I Property:

Table 1

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, etc.
1960s	Fred Hull	Low intensity recreational, cottage/camping	Commercial	Access to property appears to be from east side of Jack Creek.
1970s to 2012	Lesley Holder	Recreational campground	Commercial	Access to property provided from Northey's Bay Road.
2012 to Present	2293040 Ontario Inc.	Recreational campground	Commercial	Access to property provided from Cheboutequion Drive.

Note: This table represents property uses back to the first known developed use in the 1960s.

6.2 Potentially Contaminating Activity

Based on our review of available records and interviews, there are no potentially contaminating activities that have occurred on, in or under the Phase I Property.

The current owner of the property suggested that a property to the east (on the east side of Jack Creek) may have handled fuel for recreational boats, although the location is unknown. Our review of available background information suggests that recreational activities took place on lands to the east, however, is not suggestive of any fuel handling.

6.3 Areas of Potential Environmental Concern

There are no areas of potential environmental concern (APEC) on the Phase I Property or within the Phase I Study Area.

6.4 Phase I Conceptual Site Model

A Phase I Conceptual Site Model is illustrated on Figure 6. No APEC have been identified, and as such, none are illustrated on Figure 6.

7.0 Conclusions

- 7.1 Based on our review of available information, historical use of the Phase I Property does not appear to have included any use which would pose a liability or risk of contamination to the land.

Lands to the north, west and east consist of vacant and residential property use, and are not likely to pose a liability or risk of contamination to the Phase I Property. There are no lands immediately south of the Phase I Property as the property is situated on the shore of Stony Lake.

- 7.2 No visual evidence of underground storage tanks was observed on the Phase I Property. One (1) new aboveground propane storage tank is located adjacent to the administration building at the northwest corner of the property, however, does not pose a liability or risk of contamination to the land.

- 7.3 A visual inspection of the interior and exterior of the buildings was conducted. Overall, the building conditions appeared satisfactory. No major issues were discerned based on our visual observations.

No visual evidence of hazardous materials was observed during the inspection. However, based on the age of the public washroom facility, there is potential for hazardous materials to exist within the building (although none were observed at the time of our inspection). It is recommended that a designated substance survey (including asbestos) be considered prior to any renovation or demolition activities.

- 7.4 Anecdotal information provided by the current owner of the Phase I Property suggests that fuel handling may have occurred on lands located east of Jack Creek. The location of fuel handling is unknown. It is also unknown if fuel storage tanks may have been present.

Based on our review of historical aerial photographs, it appears that lands to the east may have been utilized for recreational purposes (i.e., campground, marina, etc). However, our review of other databases is not suggestive of fuel handling on lands located east of the Phase I Property.

Regardless, lands located east of Phase I Property are separated from the Phase 1 Property by Jack Creek, which forms a natural hydrogeological barrier, thereby preventing the possibility of contaminant migration to the Phase I Property.

Lands to the east appear to now be utilized as residential, as such, present activities on those lands would be considered low risk with respect to liability or possible risk of contamination.

- 7.5 Based on our records review, site reconnaissance, interviews and evaluation of information, it is our opinion that a Phase II Environmental Site Assessment is not required. Furthermore, it is recommended that a Record of Site Condition be filed based on this Phase I Environmental Site Assessment.

8.0 Qualifications of the Assessors

The site investigation was completed by Ms. Christa Lemelin, BSc. Ms. Lemelin is an Environmental Specialist and Assistant Project Manager with almost ten years experience in the field conducting environmental site assessments, site contamination and remediation, monitoring and sampling programs, and compliance projects.

The environmental site assessment program and all associated tasks were completed under the direction of Mr. Brian R. King, P. Geo., a Qualified Person under Ontario Regulation 153/04, as amended.

Mr. King is a registered Professional Geoscientist in the province of Ontario and is one of the founding partners of Oakridge Environmental Ltd. He has more than 30 years of practical experience covering a broad range of geo-environmental capacities.

Mr. King's project experience includes numerous hydrogeological and environmental site assessment studies for First Nations, public sector clients, private development applications, commercial and industrial uses and institutional facilities. He has also been responsible for source (groundwater and wellhead) protection planning for communities, water and wastewater servicing evaluations, regional and local water quality studies and brownfields remediation and rehabilitation.

Mr. King's background in mineral exploration and mining provides valuable insight into the resource geology and hydrogeology of Ontario. Brian is a highly respected technical and peer reviewer, providing those services to a variety of upper and lower tier municipalities in central and eastern Ontario. Brian is also recognized as an expert witness in the field of hydrogeology by the Ontario Municipal Board.

Mr. King has provided overall hydrogeological supervision and technical review throughout all components of the project.

* end of report *

Respectfully submitted,
Oakridge Environmental Ltd.

Original Signed By

Christa Lemelin, B. Sc.
Environmental Specialist

Original Signed By

Brian R. King, P. Geo.
Principal

References

Association of Professional Geoscientists of Ontario; Guidance for Environmental Site Assessments under Ontario Regulation 153/04 (as amended); April 2011.

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Oakridge Environmental Ltd.; Physical Conditions Survey, Proposed Cheboutequion Drive Entrance, Pilgrims Rest Trailer Park, Part of Lots 3 & 4, Concessions 10SD & 11 (Burleigh), Township of North Kawartha, Our File No. 11-1463; September 29, 2011.

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Ontario Geological Survey; Surficial Geology of Southern Ontario; 2010.

Ontario Ministry of the Environment and Energy-Technical Support Section; "Hydrogeological Technical Information Requirements for Land Development Applications"; April 1995.

Ontario Ministry of the Environment; Guide for Completing Phase One Environmental Site Assessments under Ontario Regulation 153/04; June 2011.

Ontario Ministry of the Environment; Guide for Completing Phase Two Environmental Site Assessments under Ontario Regulation 153/04; June 2011.

THIRD PARTY DISCLAIMER

The accompanying report, all supporting materials, conclusions and recommendations are subject to the following disclaimer:

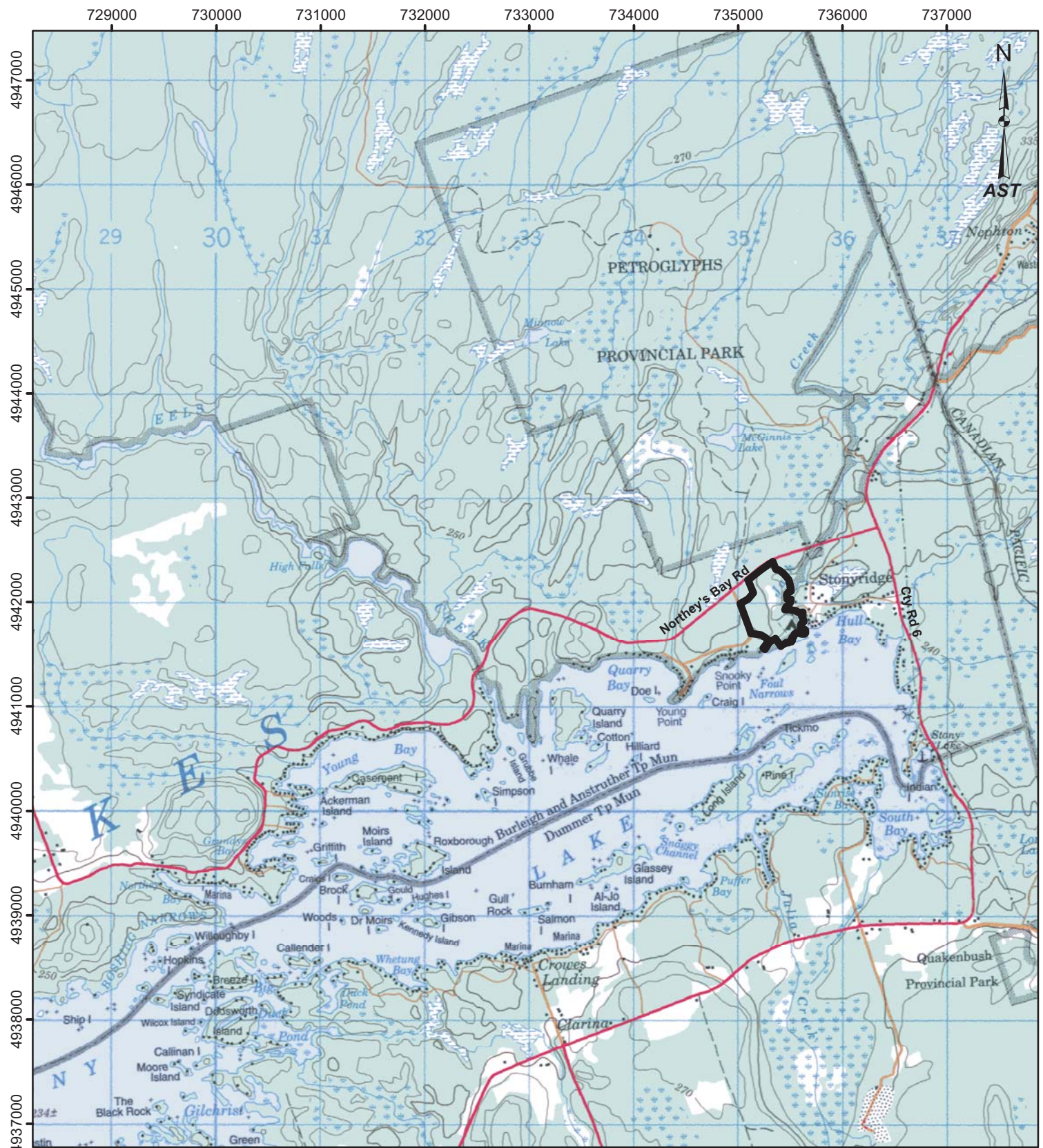
Under no circumstances shall the information in this report be released to or used by third parties not directly associated with this project without the expressed permission of Oakridge Environmental Ltd.

The information contained in this report was gathered under very specific circumstances. This information is intended only for the use of those who commissioned the investigation and for the sole purpose for which it was commissioned.

Any and all third parties are directed to retain their own consultant and commission an investigation specifically targeted towards their own needs. Do not substitute this report in place of carrying out your own investigation.

OAKRIDGE ENVIRONMENTAL LTD.

FIGURES



North American Datum 1983 UTM Zone 17

Scale: 1:50,000



Phase I / RSC Property

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough



ORE
Oakridge Environmental Ltd.
Environmental and Hydrogeological Services



TITLE

GENERAL LOCATON PLAN

PROJECT #

13-1819

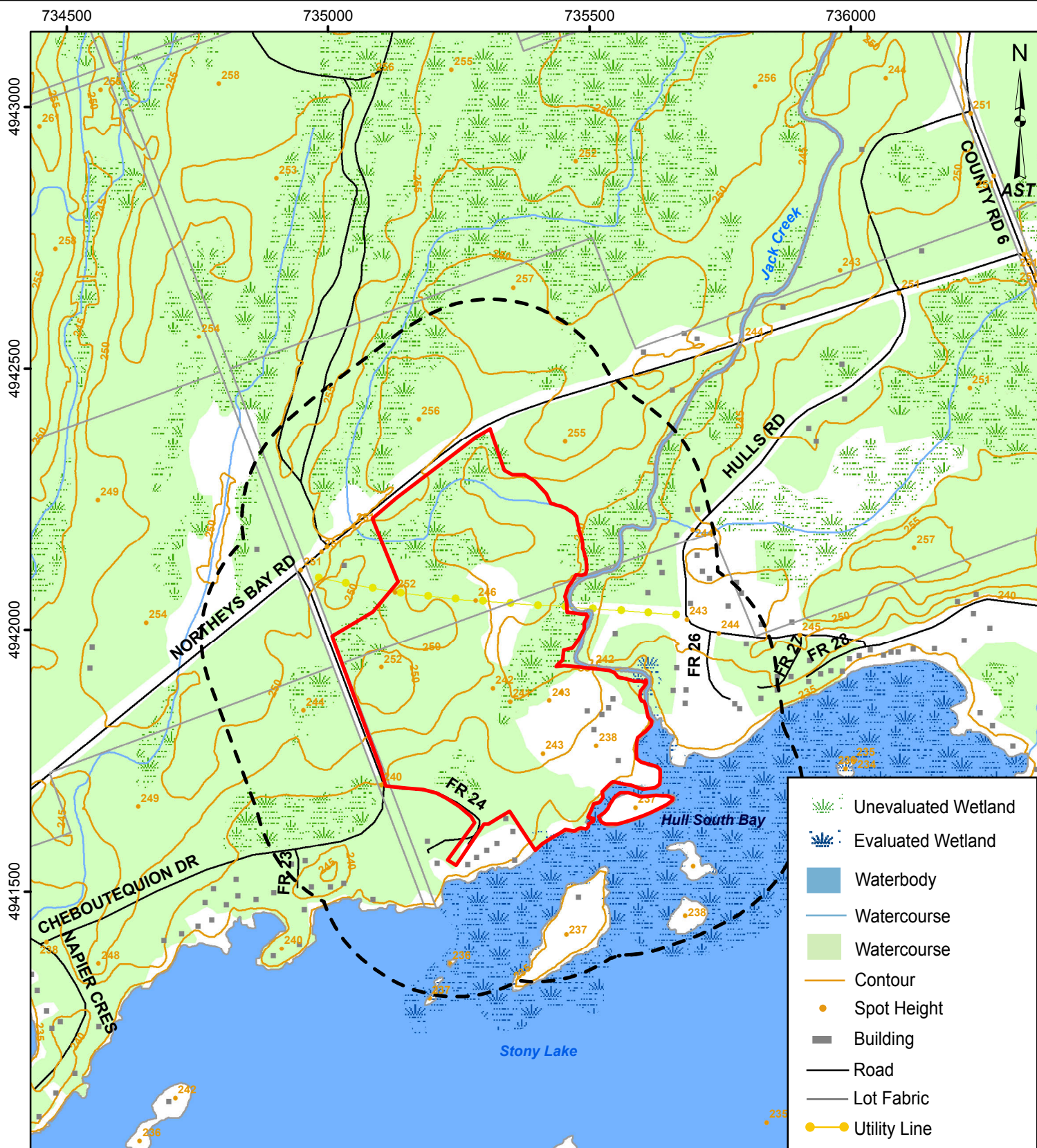
DATE

November 2015

FIGURE NO.

1

Notes: Base map provided by Natural Resources
Canada, GEOGRATIS NTS MAP 31/09



North American Datum 1983 UTM Zone 17

Scale: 1:10,000

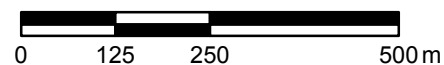
- Phase I / RSC Property
- Phase I Study Area

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough



Notes: Base map provided by the Ministry of Natural Resources, Land Information Ontario Database, copyright the Queen's Printer (2013)



TITLE

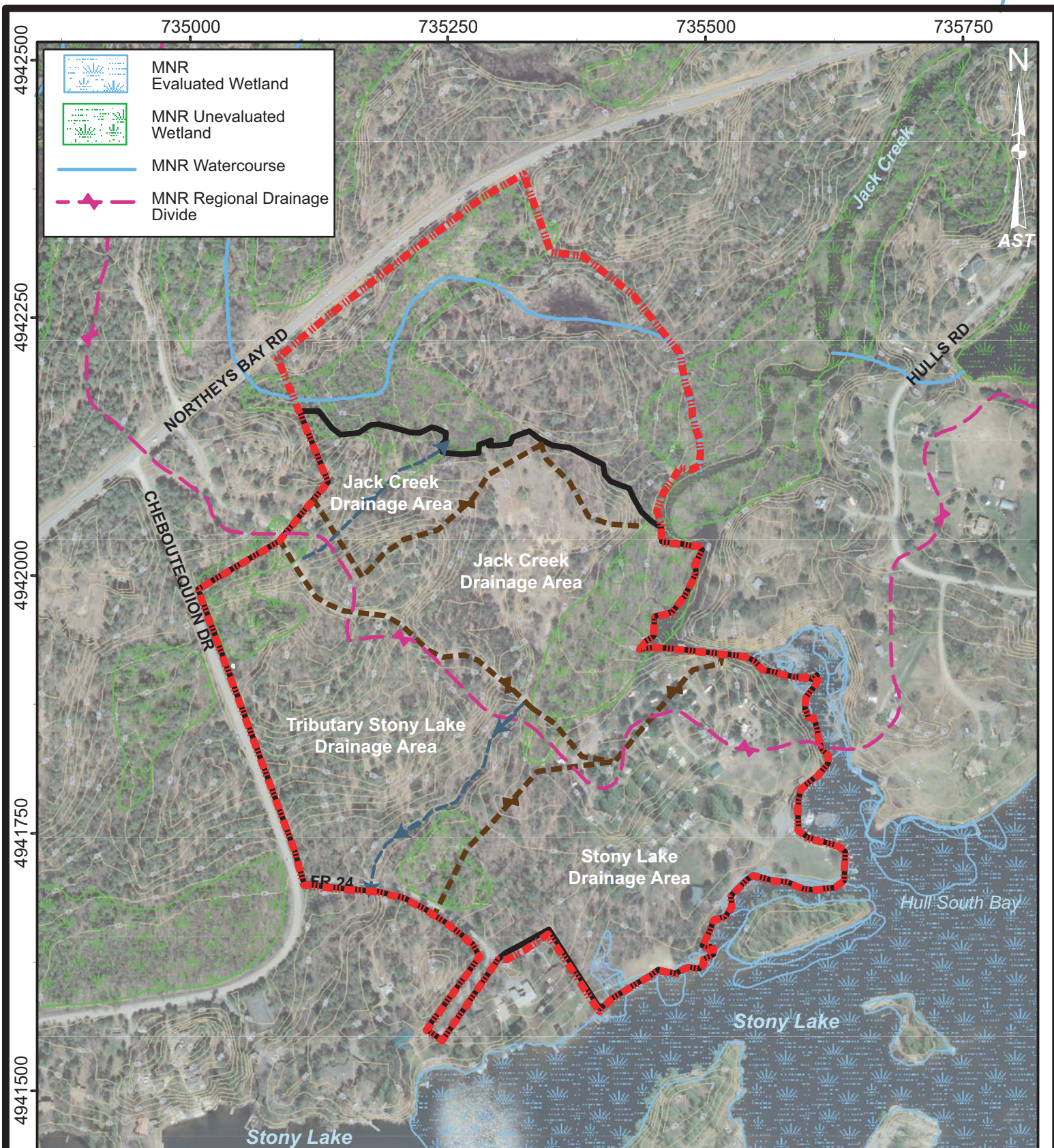
PHASE I STUDY AREA

PROJECT #
13-1819

DATE
November 2015

FIGURE NO.

2



North American Datum 1983 UTM Zone 17

Scale: 1:5,000

- Phase I / RSC Property
- Proposed Development Area
- Local Drainage Divide
- Seasonal Drainage

Phase I Environmental Site Assessment (ESA) Pilgrim's Rest Campground

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough



ORE

Oakridge Environmental Ltd.
Environmental and Hydrogeological Services



TITLE

**TOPOGRAPHIC
PLAN**

PROJECT #

12-1629

FIGURE NO.

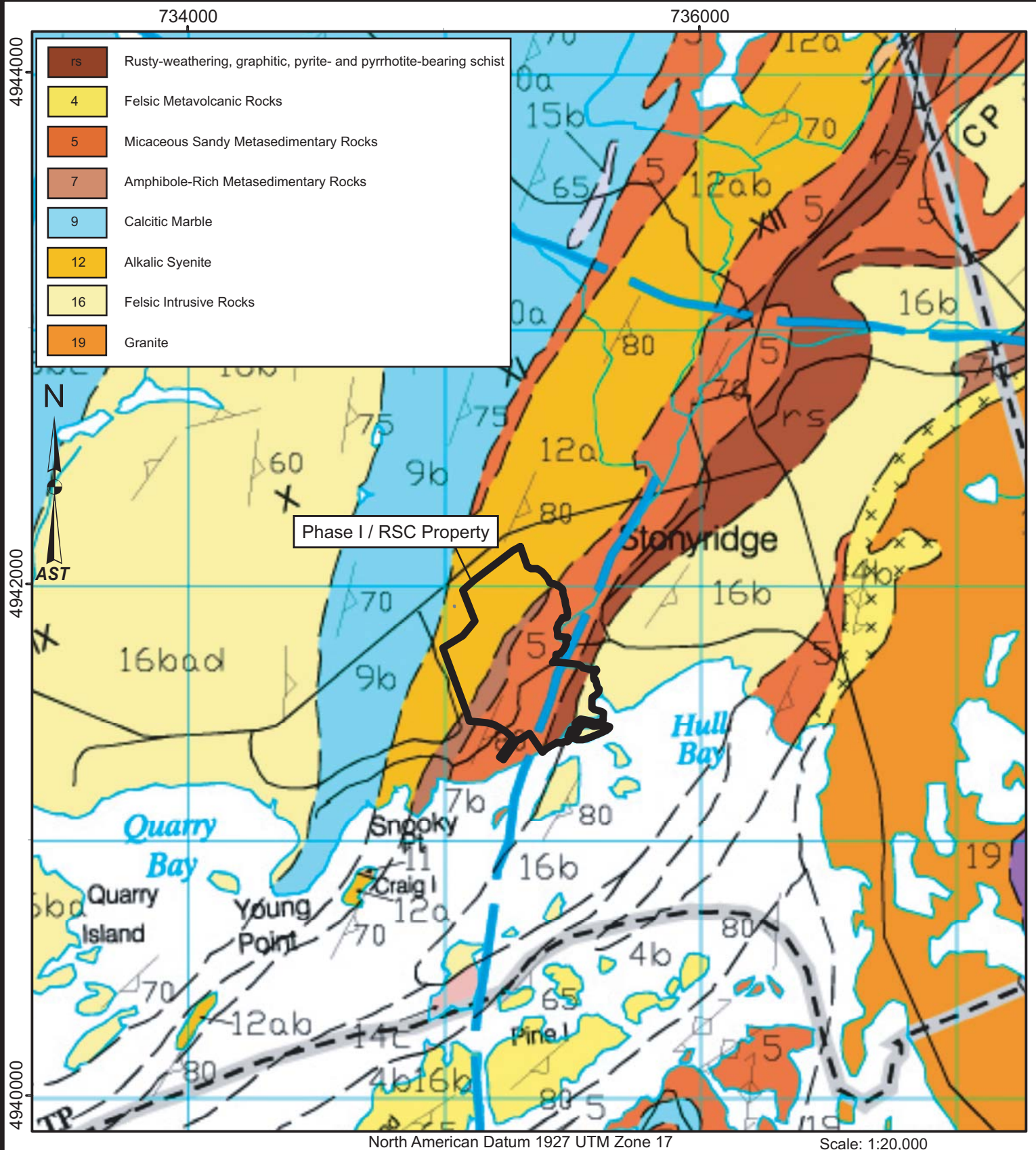
3

DATE

November 2015

Notes: Base map provided by the Ministry of Natural Resources (MNR), copyright the Queen's Printer (2013)

Aerial photography provided by First Base Solutions Inc. (DRAPE, 2008)



SYMBOLS

Geological contact

Limit of mapping

Compositional layering and/or parallel tectonic foliation (horizontal)

Compositional layering and/or parallel tectonic foliation (inclined, magnitude of dip uncertain)

Compositional layering and/or parallel tectonic foliation (vertical)

Lineation (with plunge, magnitude of plunge uncertain)

Fault

Synform

Contact metamorphic aureole

Notes: Base map provided by the Ontario Geological Survey, copyright the Queen's Printer (2006)

Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground
 Part Lots 3 & 4, Concession 11 (former Burleigh),
 Township of North Kawartha, County of Peterborough

ORE
Oakridge Environmental Ltd.
 Environmental and Hydrogeological Services

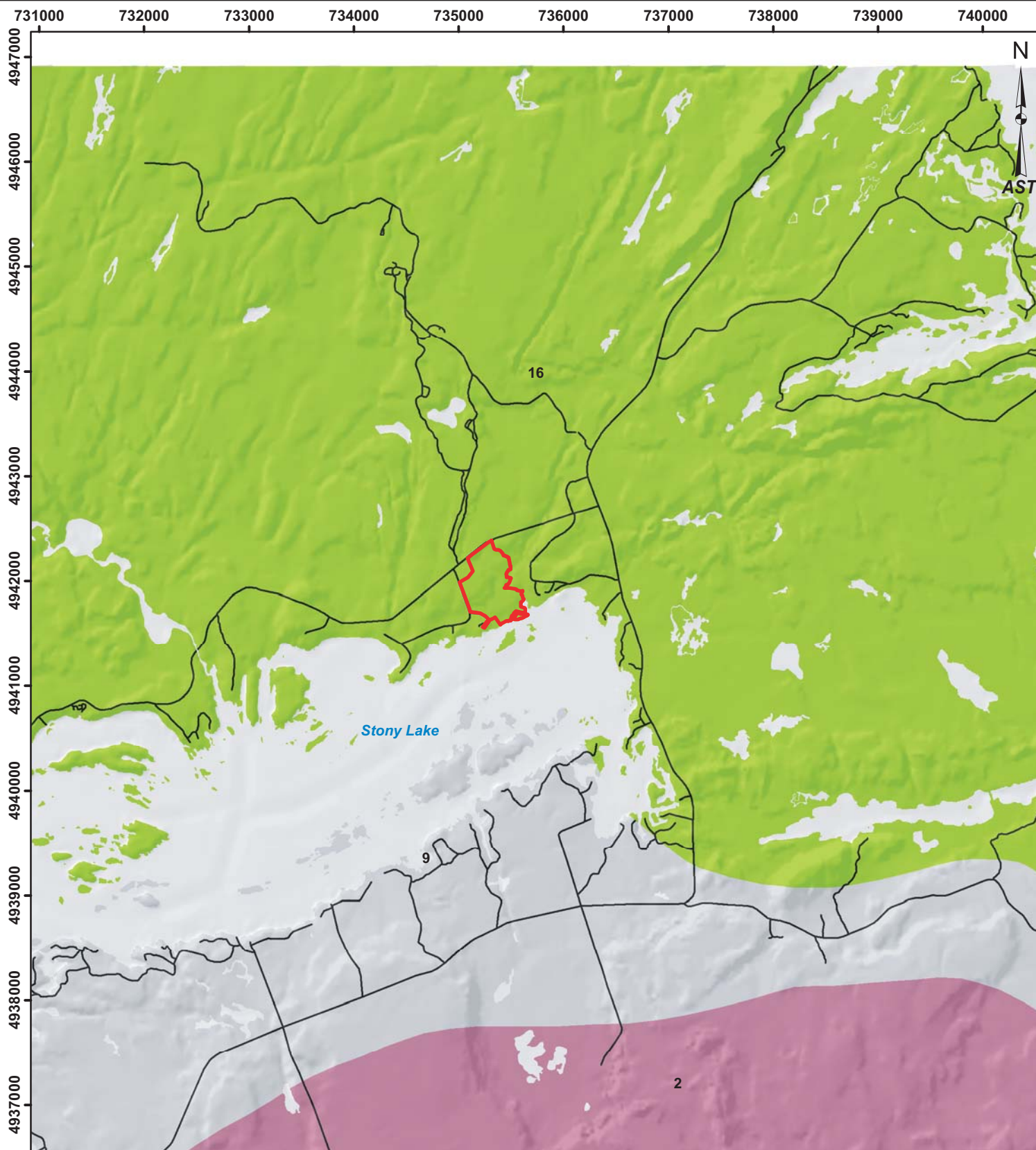
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TITLE
BEDROCK GEOLOGY PLAN

PROJECT #
 13-1819

DATE
 November 2015

FIGURE NO.
4



North American Datum 1983 UTM Zone 17

Scale: 1:50,000

- Phase I / RSC Property
- 2: Till Moraines
- 9: Limestone Plains
- 16: Bare Rock Ridges And Shallow Till

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough



TITLE
PHYSIOGRAPHY PLAN

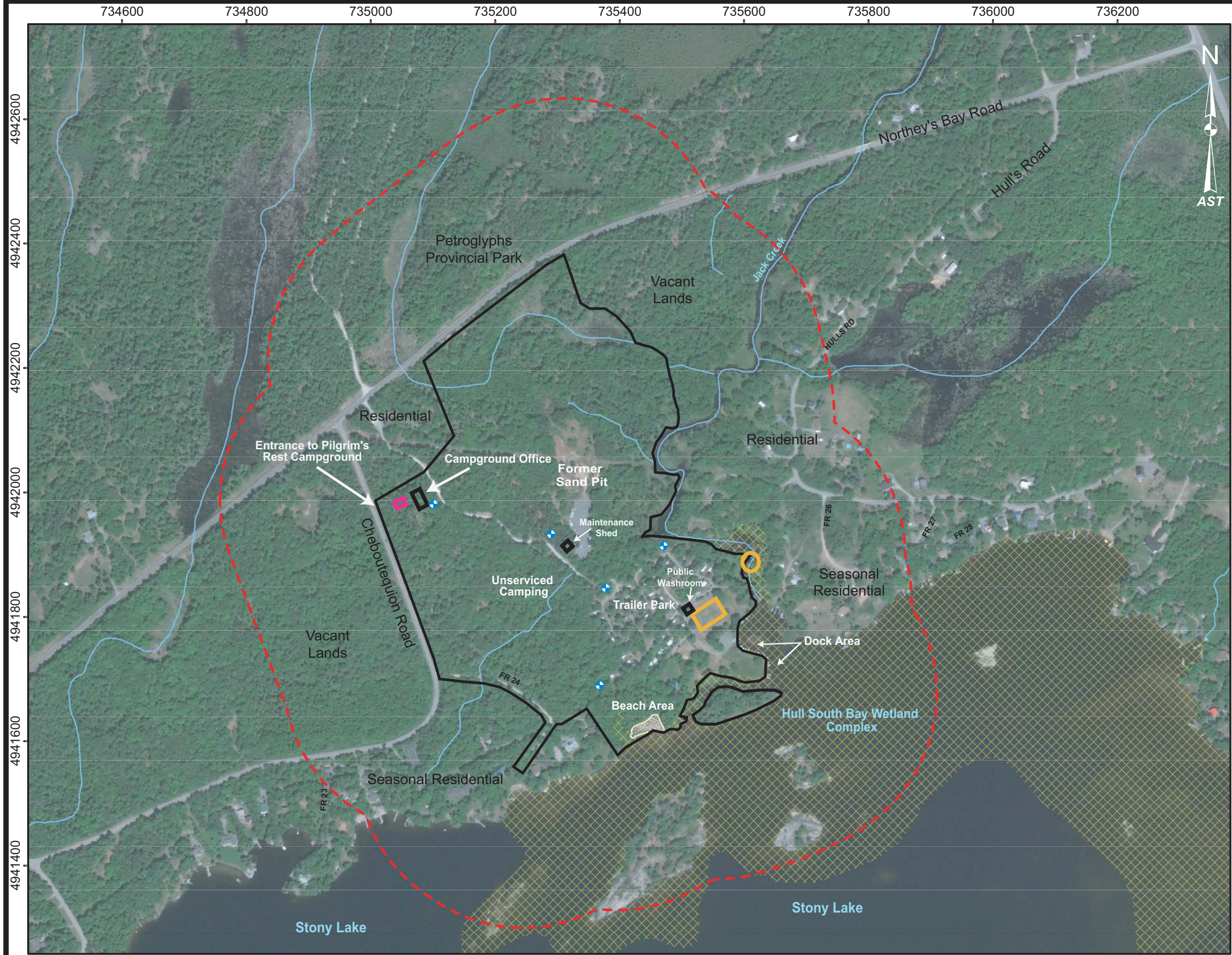
PROJECT #
13-1819

DATE
November 2015

FIGURE NO.

5

Notes: Base map provided by Ontario Geological Survey, copyright the Queen's Printer (2010)



North American Datum 1983 UTM Zone 17

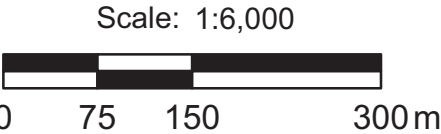
Phase I Environmental Site Assessment (ESA) Pilgrim's Rest Campground

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough

- Phase I / RSC Property
- Phase I Study Area
- Communal Sewage Disposal System
- Campground/Office Filter Bed
- Well Locations
- Potable Water Intake System

Notes: Base map provided by Ministry of Natural
Resources Land Information Ontario Database,
copyright the Queen's Printer (2013)

Aerial photography provided by ESRI, DigitalGlobe,
(2010).



TITLE
**PHASE I CONCEPTUAL
SITE MODEL**



PROJECT #
13-1819

DATE
November 2015

FIGURE NO.

6

APPENDIX A

RSC Site Survey

APPENDIX B

Title Search

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Email: richardtaylorlaw@cogeco.net

June 27, 2014

VIA EMAIL: ore@sympatico.ca

Oakridge Environmental Ltd
380 Armour Road
Suite #127
Peterborough, ON K9H 7L7

Attention: Brian R. King, P. Geo.

Dear Sir/Madam:

RE: Pilgrim's Rest - Title Search

We confirm that the Title Search conducted in reference to the Pilgrim's Rest property revealed the following;

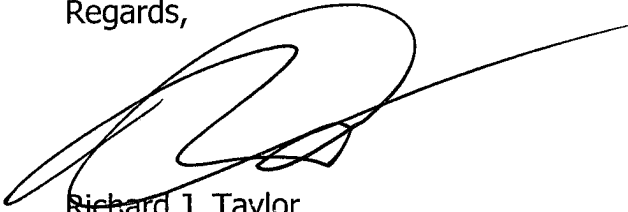
- 1) Leslie Agnes Holder, acting as an individual, was the registered owner of the subject property for more than forty(40) years. Her address for service was shown at 2250 Northeys Bay Road, RR#2, Lakefield ON. As a consequence, we were able to establish the subject property with this route of Title.
- 2) The property was not surveyed at the time of the purchase.
- 3) In light of the absence of an up-to-date survey, we obtained Title Insurance from First Canadian Title. As a consequence, the subject Title is insured pursuant to the policy of insurance held with First Canadian Title.

Based upon all of the foregoing, we did not go beyond the Title of Leslie Agnes Holder. We were aware that the subject property was in her family for a significant time. Furthermore, by virtue of anecdotal evidence, we were able to confirm that several lot divisions were undertaken by her family. The lots that were actually created are reflected with specific Assessment Roll Numbers. Plan 45R-7145 was actually

undertaken at the time incidental to the creation of such lots. Other Plans such as 45R-8530 were also undertaken and completed.

If you should require any further information as it would relate to Title, then please contact me.

Regards,

A handwritten signature in black ink, appearing to be 'RJT', with a long horizontal line extending to the right.

Richard J. Taylor

RJT/sj

cc. Pieter Venema, Royal Homes

APPENDIX C

Ministry of Environment Records



Ontario

Ministry of
the
Environment

Freedom of Information Request

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Company Name, Mailing Address and Email Address of Requester Christa Lemelin, Oakridge Env. Ltd. Email address: 380 Armour Rd, Ste. 127 Peterborough, K9H 7L7 christa@oakridgeenvironmental.com			FOI Request No.	Date Request Received
Telephone/Fax Nos. Tel. 705-745-1181 Fax 705-745-4163			Fee Paid <input type="checkbox"/> ACCT <input type="checkbox"/> CHQ <input type="checkbox"/> VISA/MC <input type="checkbox"/> CASH	
Your Project/Reference No. 13-1819	Signature/Print Name of Requester Christa Lemelin Christa Lemelin		<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/> EMR <input type="checkbox"/> SWA	
Request Parameters				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions) 23 Cheboutequion Dr., Lakefield, Township of North Kawartha, County of Peterborough				
Present Property Owner(s) and Date(s) of Ownership Royal Homes (2011 or 2012)				
Previous Property Owner(s) and Date(s) of Ownership Lesley Agnes Holder				
Present/Previous Tenant(s), (if applicable) Pilgrims Rest Campground				
Search Parameters			Specify Year(s) Requested	
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)			ALL YEARS	
Orders			"	
Spills			"	
Investigations/prosecutions ➤ Owner AND tenant information must be provided			"	
Waste Generator number/classes			"	
Certificates of Approval ➤ Proponent information must be provided				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number(s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, reports, etc.				
			SD	Specify Year(s) Requested
air - emissions				ALL YEARS
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)				"
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations				"
waste water - industrial discharges				"
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites				"
waste systems - PCB destruction, mobile waste processing units, haulers: sewage, non-hazardous & hazardous waste				"
pesticides - licenses				"

A \$5.00 non-refundable application fee, payable to the Minister of Finance, is mandatory. The cost of locating on-site and/or preparing any record is \$30.00/hour and 20 cents/page for photocopying and you will be contacted for approval for fees in excess of \$30.00.



Ontario

Ministry of the
Environment

COMMENT / MEMORANDUM TO FILE

Memo Details

Date:	2003/11/25
Module:	Orders Main Document Reference Number: 4013-554LUD
Client:	Pilgrim's Rest Campground Client Number: 6705-SNZJ22
Site(s):	Pilgrim's Rest Campground Site Number: 8035-BW/HSC
Subject:	Action Plan Rec'd
Created by:	Gary Muehl
File Storage Number:	SI P&B BL C0011 SOC LOTS 3 AND 4, CONC 11, BURLEIGH

An action plan to address the requirements of the P.O.O. was faxed to the Peterborough MOL by Pilgrim's Rest Campground on 2003/11/25. The action plan satisfies the requirements of the P.O.O. Abatement staff to follow-up in Spring 2004 to ensure that required actions are undertaken.

Pilgrim's Rest Campground

2250 Northey's Bay Rd

R.R. #2

Lakefield, Ontario K0L 2H0

Site

Pilgrim's Rest Campground

Lot: 3, 4, Concession: 11, Fmr. Twp. of Burleigh

North Kawartha, County of Peterborough

Observations

On 2003-08/29, I visited the above site(s) and made the following observations:
The water works located at Pilgrim's Rest Campground was not being operated in accordance with the requirements of Ontario Regulation 170/03. The water works at Pilgrim's Rest Campground is not currently being operated by a licensed person or a trained person. Ontario Regulation 170/03 stipulates that a non-municipal seasonal residential water works must be operated by a licensed operator or a trained person. Turbidity samples were not being taken from the water works in accordance with Section 9-4 of Ontario Regulation 170/03. Ministry staff were unable to determine the rate of water taking from Jack's Creek for the purposes of serving the water works at the site, as there is no flow measuring device connected to the pump. It is unknown if the water taking at this facility is in excess of 50,000 litres per day. The taking of water in excess of 50,000 litres of water per day is subject to Section 34 of the Ontario Water Resources Act.

Offence(s)

Suspected Violation(s)/Offence(s):

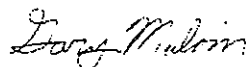
Act - Regulation - Section,

Description

(General Offence)

1. Sale of Drinking Water Act - Reg. 170

0



Gary Mulhain

Provincial Officer

Badge Number:

Date:

District Office: Peterborough District Office



Provincial Officer's Order

Environmental Protection Act, R.S.O. 1990, c.E.19 (EPA)
Ontario Water Resources Act, R.S.O. 1990, c.O.40 (OWRA)
Pesticides Act, R.S.O. 1990, c.P11 (PA)
Safe Drinking Water Act, S.O. 2002, c.32 (SDWA)

Order Number
2501-S4NV3

To: Pilgrim's Rest Campground
13/4 C11, Burleigh Ward, 2250 Northey's Bay Rd
North Kawartha, Ontario, K0L 2J0
Canada

Site: Lot: 3, 4, Concession: 11, Four Twp. of Burleigh
North Kawartha, County of Peterborough

Work Ordered

1. Pilgrim's Rest Campground shall submit an action plan and a schedule of implementation to the District Manager, Ministry of the Environment, Peterborough District, no later than November 30, 2003, identifying how the following issues will be addressed:
 - a. Pilgrim's Rest Campground shall ensure that the water works is operated by a licensed person or a trained person in accordance with Ontario Regulation 170/03
 - b. Pilgrim's Rest Campground shall ensure that turbidity samples are obtained from the water works in accordance with the requirements of Ontario Regulation 170/03.
2. By April 30, 2004, Pilgrim's Rest Campground shall engage the services of a competent and qualified consultant to assess the daily rate of water being taken from Jack's Creek for the purposes of serving the waterworks at Pilgrim's Rest Campground.
3. By June 30, 2004, Pilgrim's Rest Campground shall submit the results of the consultant's assessment in writing to the District Manager, Ministry of the Environment, Peterborough District.
 - A. While this Order is in effect, a copy or copies of this order shall be posted in a conspicuous place.
 - B. While this Order is in effect, report in writing, to the District or Area office, any significant changes of operation, emission, ownership, tenancy or other legal status of the facility or operation.

Issued at Peterborough this 9th day of October, 2003.

Gary Muloin
Badge No:
Peterborough District Office
Tel: (705) 755-4300



INCIDENT REPORT

Reference Number:	6242-5RM4G4	File Storage Number:	S PB BJ CQ11 508 LOTS 3 AND 4, CONC. 11, BURLEIGH
Module:	noncom Reporting	Module Type:	Legislation Non-Compliance
Cross Reference:	(doc link)	Task Link:	4432-5RM4KHZ
Originating Document:		Created by:	Gary Major
Date Created:	2003/09/27	Date Completed:	2003/09/27
Bring Forward Date:		Bring Forward Reason:	
Status:	Closed - Abatement Response		
Program:	Water - Contaminants	Activity:	Notifications

Is this an air emission (measured or modelled) or wastewater (sewage) discharge exceedance that will become part of the Environmental Compliance Report?

(inspection, certificate of approval, order, or guidance)

☐ Yes ☒ No ☐ To be determined

[Click here for Guidance](#)

Caller or PO Information

Reported By:

First Name	Last Name
Gary	Major

Contact Mailing Address

Municipality:

North Kawartha

Reported By:

MOE Information

Date & Time Reported to MOE: 2003/09/28 16:30

Office Receiving Incident Report: Peterborough District Office

Incident Info Received By: Gary Major

MOE Response: Not Determined

Date & Time of MOE Arrival at Scene: 2003/09/28 17:30

Master Incident Report Number:

SAC Action Class:

Non-Standard Procedure: No

ERP Call-out Initiated:

Client(s)

Information

Show Map

Pilgrim's Rest Campground

Mailing Address: L3/4 C11, Burleigh Ward, 2250 Northey's Bay Rd, North Kawartha, Ontario, Canada K0L 2L0

Physical Address: Concession 11, L3/4 C11, Burleigh Ward, 2250 Northey's Bay Rd, North Kawartha, Township, County of Peterborough, Ontario, Canada

Telephone: (705)877-2886

Client #: 9709-SNZJ2Z, Client Type: Corporation

Site(s)

Information

Show Map

Pilgrim's Rest Campground

Address: Lot 3, 4, Concession 11, Fmr. Twp. of Burleigh, Par: North Kawartha Township, County of Peterborough

District Office: Peterborough

GeoReference: Map Datum NAD83, Zone 17, Accuracy Estimate: 1-10 metres eg. Good Quality GPS Method: GPS, UTM Easting: 734992, UTM Northing: 4942104

LIO GeoReference: Zone: , UTM Easting: , UTM Northing: , Latitude: , Longitude:

Incident Information

Incident Summary: waterworks - non-compliance w/ O Reg 170/03
cannot be longer than 60 characters

Incident Description: An inspection of the water works at Pilgrim's Rest campground identified several non-compliance issues with Ontario Regulation 170/03. As of this time, the water works at Pilgrim's Rest Campground is not being operated by a trained/personified individual as required by Schedule 6 of Ontario Regulation 170/03. Turbidity was not being measured at the site in accordance with Section 9-4 of Ontario Regulation 170/03.

In addition to the above, the rate of water taking at the site is not measured, water taking at the site may be in excess of 50,000 litres per day, and therefore would be subject to Section 34, OWRA.

Total Col. = 4 cu, Eccl = 2 cu
Sampled on Aug 2011
Lab notified the HJ and WSW

*8:25 SAC paged Belleville ERP (Jim Lebow)
*8:42 Jim to SAC - Jim was notified of adverse results. He will call Bruce Hancock to determine actions to be taken
*7:05 WWSLEY holder to SAC - Results confirmed, HJL notified.
Free Cl = 3.0 mg/l
Taps have been posted and resampling tomorrow
*7:20 Jim to SAC - Jim contacted Bruce Hancock. Bruce agreed that a visit to the site is not required. Cl levels ok.
Resampling tomorrow
ADM notified of incident

2003/08/29

MOE staff conducted compliance inspection of the waterworks located at Pugin's Rest Campground. Refer to MOE inspection report.

Bot. Water Order lifted by HJ or 2003/08/29 after satisfactory resample results.

Links & Comments:

Attachments Names:

Date & Time of Incident 2003/08/29

Source Type:

Sector Type:

Nearest Watercourse

Watershed Category Code:

Environmental Impact: No Anticipation

Nature of Impact: Human Health/Safety

Incident Cause:

Incident Reason:

Damaged Party: No

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]
TOTAL COLIFORM	12	55	1/5	4	cu:100 ml temperature filtration	
ESCHERICHIA COL.	11	55	n/a	2	cu:100 ml temperature filtration	

Controller of Material:

Owner of Material:

Estimated Clean Up Cost:

Who Cleaned Up:

% Clean Up: %

Agencies Involved:

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?

☒ Yes

☐ No

☐ To be determined

Voluntary / Mandatory Compliance Items

Type: Parent RefNo Work Summary (may be truncated)

Date

AttainList

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section,

Description

(General Offence)

Provincial Officer:

Name:

Gary Muloin

Badge No:

969

Work Unit:

Peterborough Area Office

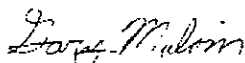
District/Area Office:

Peterborough District Office

Date:

2003/09/18

Signature:



Area Supervisor:

Name:

Allan Oberholzer

Work Unit:

Peterborough Area Office

District/Area Office:

Peterborough District Office

COMMENT / MEMORANDUM TO FILE**Memo Details**

Date: 20030628
Module: Incident Reporting
Client: Main Document Reference Number 4674 545JWE
Site(s):
Subject: adverse water - 698 HPC
Created by: Denise Rajpatee
File Storage Number:

Document Links and Comments: June 26, 2003 - Contacted Pilgrim's Rest Christian Resort 877-2886 and left voice message to return call.

June 27, 2003 @ 0900 hrs - D. Rajpatee contacted Jack Mornul, Health Inspector. He indicated he has had verbal contact with the owner and the owner has taken appropriate corrective actions.

@ 1030 hrs - D. Rajpatee contacted Leslie Holder, Owner. She indicated corrective actions have been taken and that she has verbally notified the Health Unit. She was unaware of the requirement to contact SAC as well and submit written notification in Form 2 (a) and (b). I advised her to submit written notification to SAC immediately. She indicated this is a seasonal campground with approximately 80 sites, each having their own service connections for water for trailers. System would likely be classed non-municipal seasonal residential. Ms. Holder has advised that the results from the second set of samples were clear. I advised she will need to complete section 2(b) and submit to SAC.

Attachment Names

cannot be longer than 60 characters

Incident Description: HPC = 698
HU and WW notified.
Samples June 18/03 Section 1 & 3 received at SAC

2003/06/30 - EC Annot and CW Inspector Rajstee spoke w th owner Lesley Holder who stated that corrective actions taken and resample results in compliance. Holder aware of responsibility under Act and Regs. No further action at this time.

Links & Comments:

Attachments Names

AWQI Updates HPC = 698
HU and WW notified
Sampled June 18/03 Section 1 & 3 received at SAC
June 27/03 Parts 2a and 3 rec'd

Date & Time of Incident 2003/06/10 05:00

Source Type: Sector Type:

Nearest Watercourse: Watershed Category Code:

Environmental Impact:

Nature of Impact:

Incident Cause: Incident Reason:

Damaged Party: No

Contaminants Table						
Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]
HETEROTROPHIC PLATE COUNT	14	55	500	666	CFU/100ML	
HETEROTROPHIC PLATE COUNT	14	55				

Controller of Material: Owner of Material:

Estimated Clean Up Cost: Who Cleaned Up:

% Clean Up: % Agencies Involved:

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity? ☐ Yes ☐ No ☐ To be determined

Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList
------	--------------	---------------------------------	------	------------

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section, Description

(General Offence)

Provincial Officer:


Name: David Arnott

Badge No: 827

Work Unit: Peterborough Area Office

District/Area Office: Peterborough District Office

Date: 2003/06/30

Signature: 

Area Supervisor:

Name: Allan Oberholzer

Work Unit: Peterborough Area Office

District/Area Office: Peterborough District Office

Date: 2004/05/13

Mar 1 1865

100-1000

Incident Description: cannot be longer than 60 characters
Total Coliform = 2cfu
parts 1 and 3 rec'd
EO Arnott and DW Inspector Rapinot spoke with Lesley Holder, owner of works who stated that corrective actions were taken and resample results were in compliance. Holder now aware of requirements under Act and Regs. No further action.

Links & Comments
Attachments Names:


AWQI Updates: Total Coliform = 2cfu
parts 1 and 3 rec'd
Parts 2(a) & (b) rec'd
Date & Time of Incident: 2003/05/10 08:00
Source Type: Sector Type:
Nearest Watercourse: Watershed Category Code:
Environmental Impact:
Nature of Impact:
Incident Cause: Incident Reason:
Damaged Party: No

Contaminants Table						
Contaminant Name	Code	Unit	Limit	Quantity	[units]	[freq]
TOTAL COLIFORM	12	cfu	0	2	CFU/100ML	
TOTAL COLIFORM	12	cfu				

Controller of Material: Owner of Material:
Estimated Clean Up Cost: Who Cleaned Up:
% Clean Up: % Agencies Involved:

Voluntary / Mandatory Abatement
Is there Voluntary Abatement Activity? ☒ Yes ☐ No ☐ To be determined
Voluntary / Mandatory Compliance Items
Type Parent RefNo Work Summary (may be truncated) Date AttachList

Offence(s)
Suspected Violation(s)/Offence(s):
Act - Regulation - Section,
Description
(General Offence)

Provincial Officer:
Name: David Arnott
Badge No: 827
Work Unit: Peterborough Area Office
District/Area Office: Peterborough District Office
Date: 2003/05/30
Signature: 
Area Supervisor:
Name: Allan Oberholzer
Work Unit: Peterborough Area Office
District/Area Office: Peterborough District Office
Date: 2004/05/13
Signature:

The Safe Drinking Water Branch has advised that there may be inactive records in the Records Centre, Mississauga. To retrieve these files there is a charge of \$60.00 with no guarantee that any records will be located responsive to your request. If you would like us to retrieve these files, **please forward to me at the above address payment by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card in the amount of \$60.00.** Credit card forms are available on the Ministry's website (<http://www.ene.gov.on.ca>) under the heading "About the Ministry". Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the files retrieved from the Records Centre, the time for answering your request will be extended for an additional 30 days.

You may request a review of my decision by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Karen Dias at (416) 314-6129.

Yours truly,



Heidi Ritscher
FOI Manager

Attachments

Ministry of the Environment
Peterborough Region
Peterborough District Office
Peterborough Area Office
2nd Floor South Wing
500 Water St.
Peterborough ON K9J 8M5
Fax: (705) 755-4331
Telephone: (705) 755-4300

Ministère de l'Environnement
Province Régionale de l'Est
Bureau du District de Peterborough
Bureau du secteur de Peterborough
2^e étage Tour sud
500 rue Water St.
Peterborough ON K9J 8M5
Téléphone: (705) 755-4331
Téléphone: (705) 755-4300



December 4, 2003

Pilgrim's Rest Campground
Attn: Ms. Lesley Holder, Owner
2250 Northey's Bay Rd
Burleigh Falls, Ontario K0L 2H0
RE: Provincial Officer Order No. 2501-5S4NV3
Reference Number 7832-51TJ98

Dear Ms. Holder:

This letter is in response to the letter dated November 28, 2003, produced by Mr. Andrew Lane-Smith of Enviro-Stewards Inc., concerning Provincial Officer Order Number 2501-5S4NV3, issued to Pilgrim's Rest Campground.

Your letter identifies that for a non-municipal seasonal residential drinking water system, Section 9-8 of Schedule 9 of *Ontario Regulation 170/03* stipulates a transitional period for "trained persons" (as defined in *Ontario Regulation 170/03*). Section 9-8 stipulates "if the owner of a drinking water system is not required to comply with Sections 2-2 to 2-6 of Schedule 2 until after this Regulation comes into force, a reference in this Schedule to a trained person shall be deemed, with respect to that system, to be a reference to any person until the owner complies with Sections 2-2 to 2-6 of Schedule 2". Schedule 2 of *Ontario Regulation 170/03* stipulates that the owner of a non-municipal seasonal residential drinking-water system that is not providing minimum treatment (as defined in the Regulation) for surface water as of the date when the Regulation comes into force is not required to provide minimum treatment until July 1, 2005. Therefore, since Pilgrim's Rest Campground is not currently meeting the minimum treatment requirements in Section 2-2 to 2-6 of Schedule 2, a licensed operator or trained person is not required for the water works at Pilgrim's Rest Campground until the deadline of July 1, 2005. I agree with Mr. Lane-Smith's interpretation of this Section of *Ontario Regulation 170/03*.

Section 2.5 of the MOI Inspection Report identifies that "sampling and testing at the water works must be undertaken by a trained person (as defined in *Ontario Regulation 170/03*), as set in Schedule 6 of *Ontario Regulation 170/03*". Mr. Lane-Smith identifies in his letter that with reference to Schedule 9 of *Ontario Regulation 170/03*, operational checks and the collection of drinking water samples may be undertaken by any person until such time as the water works complies with Section 2-2 to 2-6 of Schedule 2, *Ontario Regulation 170/03*. Once compliance with Section 2-2 to 2-6 of Schedule 2, *Ontario Regulation 170/03* is met, a licensed operator or a trained person would be required for the operation of the water works. I agree with Mr. Lane-Smith's interpretation of this Section of *Ontario Regulation 170/03*.

I apologize for any inconvenience this may have caused. Should you have any questions or concerns regarding this letter, please do not hesitate to contact me at 705-755-4331.
Yours truly,

A handwritten signature in cursive script, reading "Gary Muloin".

Gary Muloin
Senior Environmental Officer
Peterborough District Office

File Storage Number: SI PB BU CO: 1 500 1 OTS 3 AND 4, CONC: 11, BURLEIGH
Mr. Andrew Lane-Smith
P. Eng.
Enviro-Stewards Inc.



COMMENT / MEMORANDUM TO FILE

Memo Details

Date:	2004/06/21
Module:	Orders
Client:	Pilgrim's Rest Campground Order Number: 8709 5N2J2Z
Site(s):	Pilgrim's Rest Campground Site Number: 9659-5N2-SC
Subject:	Water Taking Info. Provided
Created by:	Gary Mulon
File Storage Number:	SI PB 3L CO-1 500 LOTS 3 AND 4, CONC 11, BURRHEAD

As required by Order, Pilgrim's Rest Campground had a consultant assess the quantity of water taken from Jack's Creek to service the water system at the site. In a fax dated 2004/06/21 (produced by Enviro-Stewards Engineers & Scientists) the consultant identified that the daily amount of water taking at the site is well below 50,000 L/D and is therefore not subject to Section 34 OWRA.

Incident Summary: THM= 197 ug/L, Pilgrim's Rest Campground Water Treatment to longer than 60 characters
Incident Description: THM= 197 ug/L
sampled June 17/2004, H.U.W.W. not found

Links & Comments:

Attachments Names:

AWQI Updates: THM= 197 ug/L
Samples June 17/2004 H.U.W.W. notified
June 25 WW to SAC/ind reports same results
W.L. notify H.U. not found.
C/A following instructions from H.U.
June 24, 2004 - 13:09 - Section 1 & 3 notified
June 25, 2004 - 13:12 - Section 24 notified

Date & Time of Incident

2504/06/24

Source Type:

Sector Type:

Nearest Watercourse:

Watershed Category
Code:

Environmental Impact:

Nature of Impact:

Incident Cause:

Incident Reason:

Damaged Party: No

Contaminants Table

Contaminant Name	Code	UNA	Limit	Quantity	[units]	[freq]
TRICHALOMETHANES	0.100	51	0.1	197	ug/L	
TRICHALOMETHANES	0.100	51				

Controller of Material:

Owner of Material:

Estimated Clean Up Cost:

Who Cleaned Up:

% Clean Up: %

Agencies Involved:

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?

☒ Yes

☐ No

☐ To be determined

Voluntary / Mandatory Compliance Items

Type Parent RefNo Work Summary (may be truncated)

Date

AttainList

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section,
Description
(General Offence)

Provincial Officer:

Name:

Denise Rajpatee

Badge No:

743

Work Unit:

Peterborough Area Office

District/Area Office:

Peterborough District Office

Date:

2004/08/16

Signature:



Supervisor:

Name:

Clare Muisiner

Work Unit:

Drinking Water Inspections Unit

COMMENT / MEMORANDUM TO FILE**Memo Details**

Date: 2004/07/19
Module: Incident Reporting Main Document Reference Number: 7128-629Q3K
Client: Pilgrim's Rest Campground
Client Number: 8708-5N2.22
Site(s): Pilgrim's Rest Campground
Site Number: 8695-5N2HSC
Subject: adverse test results
Created by: Denise Rajotte
File Storage Number:

Document Links and
Comments: July 5, 2004 - Received section 2(b) indicating a resample has been taken and
submitted for THM.

Attachment Names:

Incident Summary: THM 218 ug/L, Páram's Rest Campground Water Treat
cannot be longer than 60 characters

Incident Description: THM 218 ug/L
Sampled June 25
HU and DWS not'd
WW to SAC(nc) reports same results.
Will notify HU next
CA is awaiting instruction from HU

Links & Comments:

Attachments Names:

AWQI Updates: THM 218 ug/L
Sampled June 25
HU and DWS not'd
WW to SAC(nc) reports same results
Will notify HU next
CA is awaiting instruction from HU

Date & Time of Incident: July 05, 2024 - 13:44 - Section 1 & 3 rec'd
July 05, 2024 - 15:25 - Section 2a rec'd

Source Type: 20040705

Sector Type:

Nearest Watercourse:

Watershed Category
Code:

Environmental Impact:

Nature of Impact:

Incident Cause:

Incident Reason:

Damaged Party: No

Contaminants Table

Contaminant Name	Code	UN#	Limit	Quantity	[units]	[freq]
TRICHALOMETHANES	0100	51	0.1	218	ug/L	

Controller of Material:

Owner of Material:

Estimated Clean Up Cost:

Who Cleaned Up:

% Clean Up: %

Agencies Involved:

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?

☒ Yes

☐ No

☐ To be determined

Voluntary / Mandatory Compliance Items

Type Parent RefNo Work Summary (may be truncated)

Date

AttainList

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section,
Description
(General Offence)

Provincial Officer:

Name:

Badge No:

Work Unit:

District/Area Office:

Date:

Signature:

District/Area Supervisor:

Name:

Work Unit:

District/Area Office:

Date:

Well Record Data

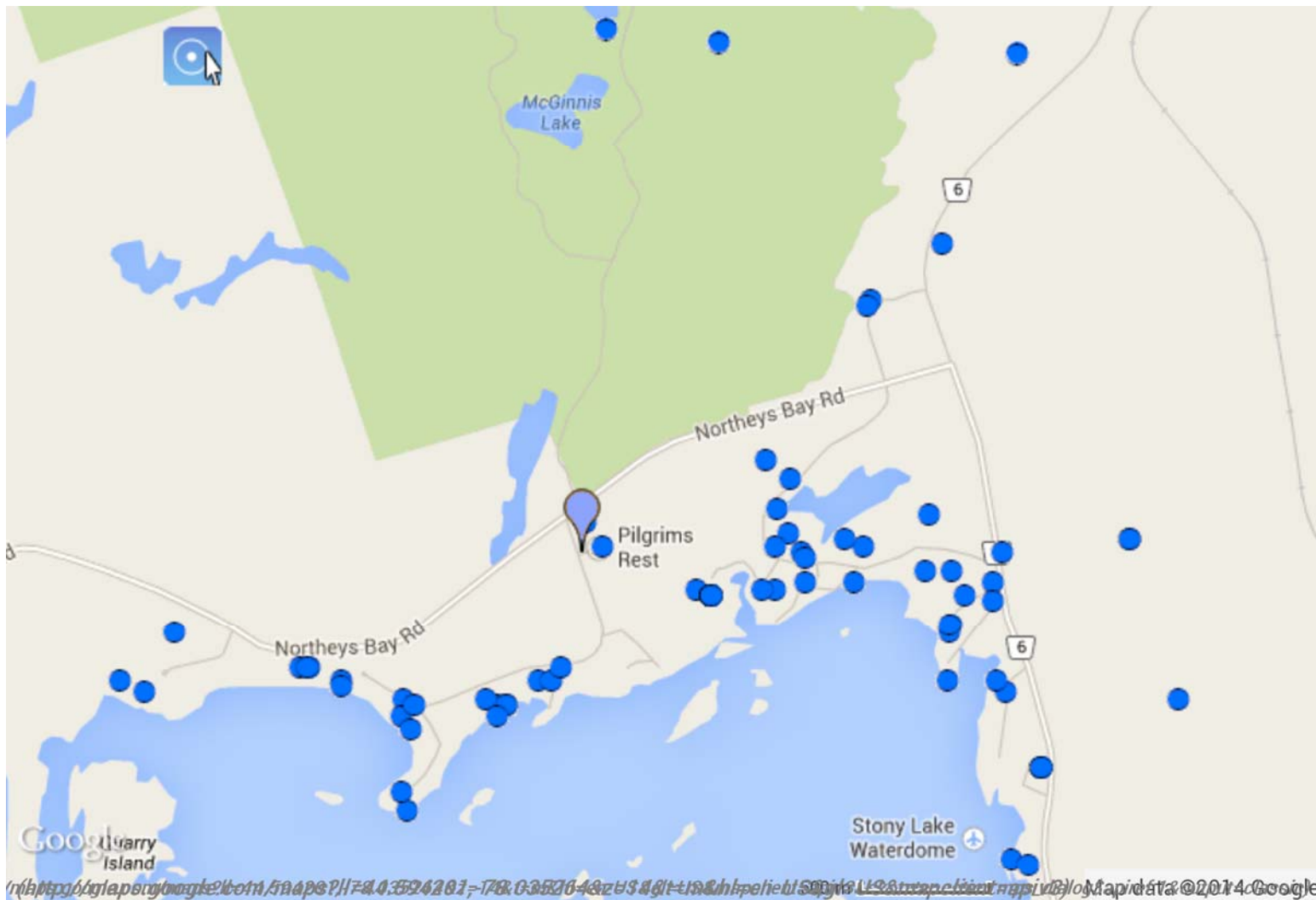
This interactive map allows you to search and view well record information from reported wells in Ontario.

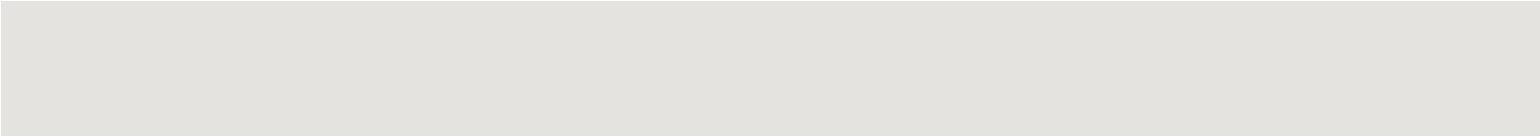
Full dataset is available on the [MOE data download page \(http://www.ene.gov.on.ca/environment/en/resources/collection/data_downloads/index.htm\)](http://www.ene.gov.on.ca/environment/en/resources/collection/data_downloads/index.htm) .

Search interactive map

☐ Current Map Display

1 result found for **23 cheboutequion drive, north kawartha** in Ontario.





Latitude: 44.606066, Longitude: -78.006449 (UTM Zone: 17, Easting: 737550.40,
Northing: 4943548.69)

This website and all of the information it contains are provided "as is" without warranty of any kind, whether express or implied. [View the terms of use](http://www.ene.gov.on.ca/environment/en/resources/collection/data_downloads/STDPROD_078135.html) (http://www.ene.gov.on.ca/environment/en/resources/collection/data_downloads/STDPROD_078135.html) .

Filed with tags: [water wells](http://www.ene.gov.on.ca/environment/en/main/contents/details?term=water_wells) (http://www.ene.gov.on.ca/environment/en/main/contents/details?term=water_wells)

Full Well Record Information

Well ID Number: 7184439

Well Audit Number: Z127493

Well Tag Number: A112514

This table contains information from the original well record and any subsequent updates.

Well Location

Address of Well Location	Township	Lot	Concession
2250 NORTHEY'S BAY RD	BURLEIGH & ANSTRUTHER TOWNSHIP (BURLEIGH)	003	SS 11
County/District/Municipality	City/Town/Village	Province	Postal Code
PETERBOROUGH	LAKEFIELD	ON	n/a
UTM Coordinates	Municipal Plan and Sublot Number	Other	

NAD83 — Zone 17

Easting: 735093.00

Northing: 4942000.00

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth	
				From	To
YLLW	SAND			0 ft	22 ft
BLCK	GRNT			22 ft	85 ft
RED	GRNT			85 ft	89 ft
GREY	GRNT			89 ft	150 ft
BRWN	GRNT			150 ft	155 ft
BLCK	GRNT			155 ft	169 ft

Annular Space/Abandonment Sealing Record Results of Well Yield Testing

Depth		Type of Sealant Used	Volume
From	To	(Material and Type)	Placed
0 ft	22 ft	BENTONITE GROUT	

Method of Construction Well Use

Rotary (Convent.)

Status of Well

Water Supply

Construction Record - Casing

<i>Inside Diameter</i>	<i>Open Hole OR material</i>	<i>Depth From</i>	<i>To</i>
6.25 inch	STEEL	-2 ft	.22 ft
6.125 inch	OPEN HOLE	22 ft	169 ft

Construction Record - Screen

<i>Outside Diameter</i>	<i>Material</i>	<i>Depth From</i>	<i>To</i>
-------------------------	-----------------	-------------------	-----------

Well Contractor and Well Technician Information

<i>Well Contractor's Licence Number</i>	6564
---	------

Pumping Rate
5 GPM
Duration of Pumping
1 h:0 m

Final water level
118.5 ft
If flowing give rate

Recommended pump depth
165 ft

Recommended pump rate

Well Production

Disinfected?

Y

Water Details

<i>Water Found at</i>	<i>Depth Kind</i>
89 ft	Fresh

2	22.5 ft	2	112 ft
3	25 ft	3	110.7 ft
4	27.4 ft	4	129.4 ft
5	29.7 ft	5	108.3 ft
10	40.1 ft	10	102 ft
15	49.2 ft	15	96.2 ft
20	57.4 ft	20	90.4 ft
25	64.9 ft	25	84.8 ft
30	72.3 ft	30	79.3 ft
40	89.4 ft	40	68.6 ft
45		45	
50	105.1 ft	50	60.9 ft
60	118.5 ft	60	52.85 ft

Hole Diameter

<i>Depth From</i>	<i>Diameter To</i>
-------------------	--------------------

Audit Number: Z127493**Date Well Completed:** March 24, 2012**Date Well Record Received by MOE:** July 24, 2012

Full Well Record Information

Well ID Number: 5100511

Well Audit Number:

Well Tag Number:

This table contains information from the original well record and any subsequent updates.

Well Location

<i>Address of Well Location</i>	<i>Township</i>	<i>Lot</i>	<i>Concession</i>
	BURLEIGH & ANSTRUTHER TOWNSHIP (BURLEIGH)	003	SS 11
<i>County/District/Municipality</i>	<i>City/Town/Village</i>	<i>Province</i>	<i>Postal Code</i>
PETERBOROUGH		ON	n/a
<i>UTM Coordinates</i>	<i>Municipal Plan and Sublot Number</i>	<i>Other</i>	

NAD83 — Zone 17

Easting: 735439.10

Northing: 4941865.00

Overburden and Bedrock Materials Interval

<i>General Colour</i>	<i>Most Common Material</i>	<i>Other Materials</i>	<i>General Description</i>	<i>Depth</i>	
				<i>From</i>	<i>To</i>
	MSND			0 ft	6 ft
BLUE	GRNT			6 ft	21 ft

Annular Space/Abandonment Sealing Record Results of Well Yield Testing

<i>Depth</i>		<i>Type of Sealant Used</i>	<i>Volume</i>
<i>From</i>	<i>To</i>	<i>(Material and Type)</i>	<i>Placed</i>

Method of Construction Well Use

Cable Tool Domestic

Status of Well

Water Supply

Construction Record - Casing

<i>Inside Diameter</i>	<i>Open Hole OR material</i>	<i>Depth</i>			
		<i>From</i>	<i>To</i>		
6 inch	STEEL		8 ft	10	10
6 inch	OPEN HOLE		21 ft	15	15
				20	20

Construction Record - Screen

<i>Outside Diameter</i>	<i>Material</i>	<i>Depth</i>		<i>If flowing give rate</i>	
		<i>From</i>	<i>To</i>		
				17 ft	
				25	25
				30	30

Well Contractor and Well Technician Information

<i>Well Contractor's Licence Number</i>	3121	<i>Recommended pump depth</i>	40	40
		<i>Recommended pump rate</i>	45	45
		<i>Well Production</i>	50	50
		PUMP	60	60
		<i>Disinfected?</i>		

Water Details

Water Found at Depth Kind
18 ft Fresh

Hole Diameter

Depth *Diameter*
From *To*

Audit Number:

Date Well Completed: August 02, 1957

Date Well Record Received by MOE: September 03, 1957

APPENDIX D

Ecolog ERIS Database Search



REPORT



Project Property: *Pilgrim's Rest
23 Cheboutequion Drive
Lakefield ON K0L 2H0
RSC Report (Rural)*

Report Type:

Order #: *20131028002*

Date: *November 4, 2013*

EcoLog ERIS Ltd.
Environmental Risk
Information Service Ltd. (ERIS)
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Executive Summary: Site Report Summary – Surrounding Properties	6
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Executive Summary

Property Information:

Project Property: *Pilgrim's Rest
23 Cheboutequion Drive Lakefield ON K0L 2H0*

Order Information:

Order No.: *20131028002*
Date Requested: *05/11/2013*
Requested by: *Oakridge Environmental Consultants*
Report Type: *RSC Report (Rural)*

Additional Products:

Topographic Map *Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Selected	On Site	Boundary to 0.30KM	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
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	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
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	0	0
EIS	Environmental Issues Inventory System	Y	0	0	0
EXP	List of TSSA Expired 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
FST	Fuel Storage Tank	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	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 Defence & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0

Database	Name	Selected	On Site	Boundary to 0.30KM	Total
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
QGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	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	TSSA 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	14	14	28
Total:			14	14	28

Executive Summary: Site Report Summary – Project Property

Map Key	DB	Company/Site Name	Address	Page Number
1	WWIS		ON	9
2	WWIS		ON	9
3	WWIS		ON	10
3	WWIS		ON	10
3	WWIS		ON	10
3	WWIS		ON	11
3	WWIS		ON	12
3	WWIS		ON	12
3	WWIS		ON	13
3	WWIS		ON	13
3	WWIS		ON	14
3	WWIS		ON	14
3	WWIS		ON	15
4	WWIS		lot 3 con 11 ON	15

Executive Summary: Site Report Summary – Surrounding Properties

Map Key	DB	Company/Site Name	Address	Page Number
5	WWIS		ON	15
6	WWIS		ON	16
7	WWIS		ON	16
8	WWIS		ON	17
9	WWIS		ON	17
10	WWIS		ON	18
11	WWIS		ON	18
12	WWIS		ON	19
13	WWIS		ON	19
14	WWIS		ON	20
15	WWIS		ON	20
16	WWIS		ON	21
17	WWIS		ON	21
18	WWIS		ON	22

78°2'30"W

78°2'W

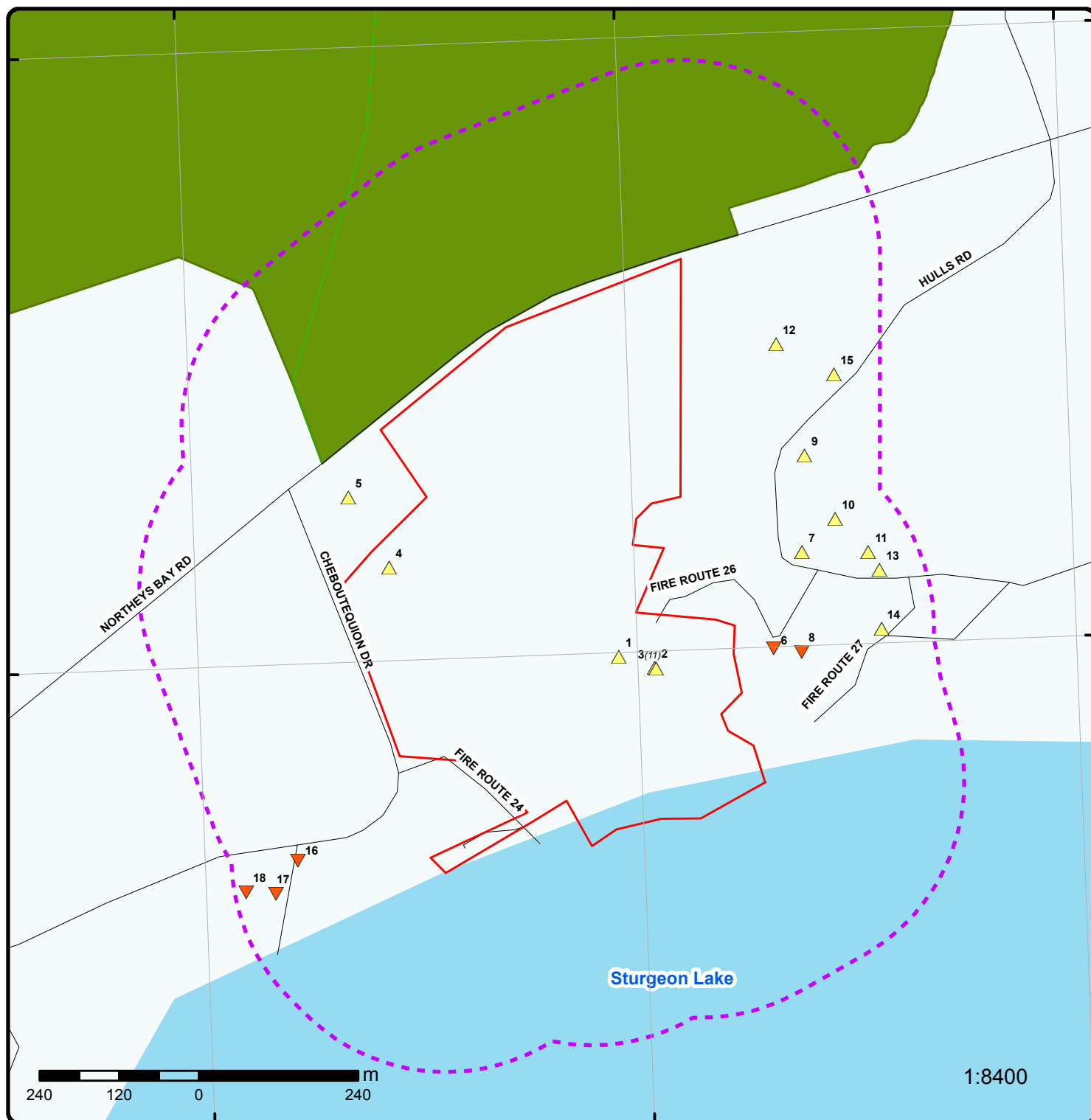
78°1'30"W

44°36'N

44°36'N

44°35'30"N

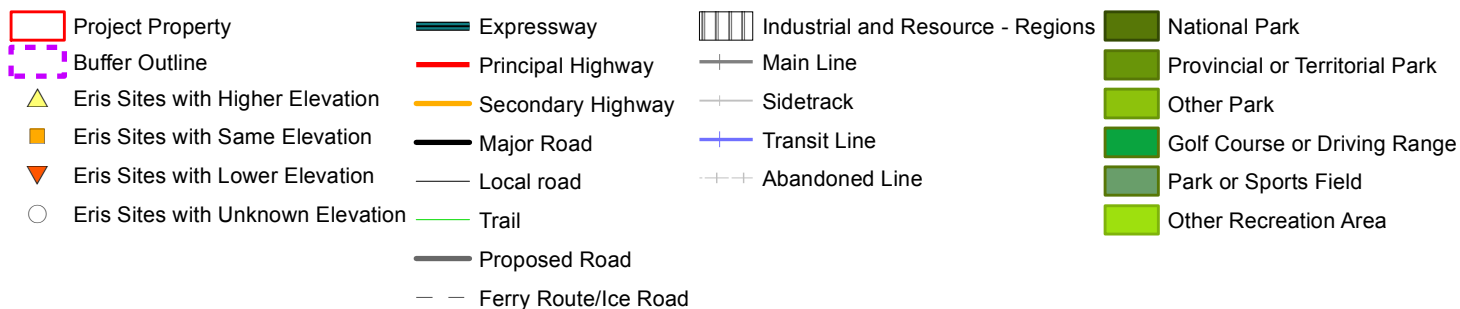
44°35'30"N



Map

Order No: 20131028002

Address: 23 Cheboutequion Drive, Lakefield, ON, K0L 2H0



78°2'W

44°36'N

44°36'N

44°35'N

44°35'N



Aerial

Order No: 20131028002

Address: 23 Cheboutequion Drive, Lakefield, ON, K0L 2H0

Source: ESRI World Imagery, Updated December 2012

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Detail Report

Map Key	Number of Records	Elevation m	Site	DB
1	1 of 1	240.0	ON	WWIS
<div> <div> Well Id: 5100511 Concession: 11 County: PETERBOROUGH </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) </div> </div> <div> <div> Easting Nad83: 735439.1 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 1 GPM Flow Rate: Specific Capacity: Construction Method: Cable Tool Elevation (m): 242.81 Depth to Bedrock: 6 Water Type: FRESH </div> <div> Northing Nad83: 4941865 Utm Reliability: unknown UTM Construction Date: 02-AUG-57 Well Depth: 6 ft Static Water Level: 5 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL </div> </div> <div> <div> --- Details --- Thickness: 6 ft Material Colour: + Thickness: 15 ft Material Colour: BLUE </div> <div> Original Depth: 6 ft Material: MEDIUM SAND Original Depth: 21 ft Material: GRANITE </div> </div>				
2	1 of 1	240.0	ON	WWIS
<div> <div> Well Id: 5119891 Concession: 11 County: PETERBOROUGH </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) </div> </div> <div> <div> Easting Nad83: 735493.1 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 112.2 LPM Flow Rate: Specific Capacity: Construction Method: Air Percussion Elevation (m): 241.58 Depth to Bedrock: Water Type: FRESH </div> <div> Northing Nad83: 4941849 Utm Reliability: margin of error : 3 km - 10 km Construction Date: 19-APR-04 Well Depth: 6.1 m Static Water Level: 3.17 m Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Overburden Casing Material: STEEL </div> </div> <div> <div> --- Details --- Thickness: .3 m Material Colour: BROWN + Thickness: 5.8 m Material Colour: BROWN + </div> <div> Original Depth: .3 m Material: TOPSOIL, SOFT Original Depth: 6.1 m Material: SAND, SOFT </div> </div>				

Map Key	Number of Records	Elevation m	Site	DB
Thickness:	8.7 m		Original Depth:	14.8 m
Material Colour:			Material:	GRAVEL, HARD
+				
Thickness:	8.4 m		Original Depth:	23.2 m
Material Colour:	RED		Material:	GRAVEL, HARD
3	1 of 11	240.0	ON	WWIS
Well Id:	5113023		Lot:	003
Concession:	11		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735495.6		Northing Nad83:	4941848
Zone:	17		Utm Reliability:	unknown UTM
Primary Water Use:	Domestic		Construction Date:	30-OCT-87
Sec. Water Use:			Well Depth:	26 ft
Pump Rate:	10 GPM		Static Water Level:	12 ft
Flow Rate:			Clear/Cloudy:	CLOUDY
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Air Percussion		Flowing (y/n):	N
Elevation (m):	241.41		Elevation Reliability:	
Depth to Bedrock:	26		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	STEEL
--- Details ---				
Thickness:	26 ft		Original Depth:	26 ft
Material Colour:			Material:	QUICKSAND
+				
Thickness:	94 ft		Original Depth:	120 ft
Material Colour:	BLACK		Material:	GRANITE
3	2 of 11	240.0	ON	WWIS
Well Id:	5117663		Lot:	003
Concession:	11		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735495.6		Northing Nad83:	4941848
Zone:	17		Utm Reliability:	unknown UTM
Primary Water Use:	Domestic		Construction Date:	22-JUN-97
Sec. Water Use:			Well Depth:	5 ft
Pump Rate:			Static Water Level:	15 ft
Flow Rate:			Clear/Cloudy:	CLOUDY
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Rotary (Air)		Flowing (y/n):	N
Elevation (m):	241.41		Elevation Reliability:	
Depth to Bedrock:	5		Overburden/Bedrock:	Bedrock
Water Type:			Casing Material:	STEEL
Material Colour:	BROWN		Material:	TOPSOIL
+				
Thickness:	200 ft		Original Depth:	205 ft
Material Colour:	RED		Material:	GRANITE
--- Details ---				
Thickness:	5 ft		Original Depth:	5 ft
3	3 of 11	240.0		WWIS

Map Key	Number of Records	Elevation m	Site	DB
ON				
Well Id:	5117147		Lot:	003
Concession:	11		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735495.6		Northing Nad83:	4941848
Zone:	17		Utm Reliability:	unknown UTM
Primary Water Use:	Domestic		Construction Date:	22-JAN-96
Sec. Water Use:			Well Depth:	80 ft
Pump Rate:	2 GPM		Static Water Level:	12 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	241.41		Elevation Reliability:	
Depth to Bedrock:	18		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:	18 ft		Original Depth:	18 ft
Material Colour:	RED		Material:	SAND, SOFT
+				
Thickness:	8 ft		Original Depth:	43 ft
Material Colour:	RED		Material:	GRANITE, HARD
+				
Thickness:	8 ft		Original Depth:	51 ft
Material Colour:	GREY		Material:	GRANITE, POROUS
+				
Thickness:	19 ft		Original Depth:	70 ft
Material Colour:	BLACK		Material:	GRANITE, HARD
+				
Thickness:	3 ft		Original Depth:	73 ft
Material Colour:	GREY		Material:	GRANITE, POROUS
+				
Thickness:	7 ft		Original Depth:	80 ft
Material Colour:	BLACK		Material:	GRANITE, HARD
+				
Thickness:	17 ft		Original Depth:	35 ft
Material Colour:	RED		Material:	SANDSTONE, HARD
3 4 of 11 240.0 ON WWIS				
Well Id:	5111240		Lot:	003
Concession:	11		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735495.6		Northing Nad83:	4941848
Zone:	17		Utm Reliability:	unknown UTM
Primary Water Use:	Domestic		Construction Date:	24-NOV-84
Sec. Water Use:			Well Depth:	6 ft
Pump Rate:	2 GPM		Static Water Level:	6 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	241.41		Elevation Reliability:	
Depth to Bedrock:	6		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	STEEL
--- Details ---				
Thickness:	6 ft		Original Depth:	6 ft

Map Key	Number of Records	Elevation m	Site	DB
Material Colour: + Thickness: Material Colour:	BROWN 38 ft RED			Material: SAND, STONES Original Depth: 44 ft Material: GRANITE
3	5 of 11	240.0	ON	<u>WWIS</u>
Well Id: Concession: County:	5114784 11 PETERBOROUGH			Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	735495.6 17 Domestic 8 GPM Rotary (Air) 241.41 20 FRESH			Northing Nad83: 4941848 Utm Reliability: unknown UTM Construction Date: 13-JUL-90 Well Depth: 82 ft Static Water Level: 10 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: STEEL
--- Details ---				
Thickness: Material Colour: + Thickness: Material Colour: + Thickness: Material Colour: + Thickness: Material Colour: + Thickness: Material Colour: + Thickness: Material Colour:	4 ft GREY 16 ft BROWN 25 ft GREY 3 ft RED 22 ft GREY 12 ft WHITE			Original Depth: 4 ft Material: FILL, STONES Original Depth: 20 ft Material: SAND Original Depth: 45 ft Material: GRANITE Original Depth: 48 ft Material: GRANITE Original Depth: 70 ft Material: GRANITE Original Depth: 82 ft Material: GRANITE
3	6 of 11	240.0	ON	<u>WWIS</u>
Well Id: Concession: County:	5115159 11 PETERBOROUGH			Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock:	735495.6 17 Domestic 5 GPM Cable Tool 241.41 3			Northing Nad83: 4941848 Utm Reliability: unknown UTM Construction Date: 20-OCT-90 Well Depth: 30 ft Static Water Level: 0 ft Clear/Cloudy: CLEAR Final Well Status: Test Hole Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock

Map Key	Number of Records	Elevation m	Site	DB
Water Type:	FRESH		Casing Material:	STEEL
--- Details ---				
Thickness:	3 ft		Original Depth:	3 ft
Material Colour:	BROWN		Material:	SAND
+				
Thickness:	27 ft		Original Depth:	30 ft
Material Colour:	BLACK		Material:	GRANITE
3	7 of 11	240.0	ON	WWIS
Well Id:	5116124		Lot:	003
Concession:	11		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735495.6		Northing Nad83:	4941848
Zone:	17		Utm Reliability:	unknown UTM
Primary Water Use:	Domestic		Construction Date:	22-DEC-92
Sec. Water Use:			Well Depth:	92 ft
Pump Rate:	3 GPM		Static Water Level:	8 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	241.41		Elevation Reliability:	
Depth to Bedrock:	4		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	STEEL
--- Details ---				
Thickness:	4 ft		Original Depth:	4 ft
Material Colour:	BROWN		Material:	TOPSOIL
+				
Thickness:	81 ft		Original Depth:	85 ft
Material Colour:	BLACK		Material:	GRANITE
+				
Thickness:	7 ft		Original Depth:	92 ft
Material Colour:	RED		Material:	GRANITE
3	8 of 11	240.0	ON	WWIS
Well Id:	5116804		Lot:	003
Concession:	11		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735495.6		Northing Nad83:	4941848
Zone:	17		Utm Reliability:	unknown UTM
Primary Water Use:	Domestic		Construction Date:	12-DEC-94
Sec. Water Use:			Well Depth:	44 ft
Pump Rate:	3 GPM		Static Water Level:	5 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	241.41		Elevation Reliability:	
Depth to Bedrock:	4		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:	4 ft		Original Depth:	4 ft
Material Colour:	BROWN		Material:	SAND, BOULDERS, SOFT

Map Key	Number of Records	Elevation m	Site	DB
<hr/>				
+	Thickness: 7 ft		Original Depth: 11 ft	
	Material Colour: RED		Material: GRANITE, HARD	
+	Thickness: 33 ft		Original Depth: 44 ft	
	Material Colour: GREY		Material: GRANITE, HARD	
<hr/>				
3	9 of 11	240.0	ON	WWIS
<hr/>				
Well Id:	5115450	Lot:	003	
Concession:	11	Concession Name:	SS	
County:	PETERBOROUGH	Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)	
Easting Nad83:	735495.6	Northing Nad83:	4941848	
Zone:	17	Utm Reliability:	unknown UTM	
Primary Water Use:		Construction Date:	06-SEP-91	
Sec. Water Use:		Well Depth:		
Pump Rate:		Static Water Level:		
Flow Rate:		Clear/Cloudy:		
Specific Capacity:		Final Well Status:		
Construction Method:	Not Known	Flowing (y/n):		
Elevation (m):	241.41	Elevation Reliability:		
Depth to Bedrock:		Overburden/Bedrock:	No formation data	
Water Type:		Casing Material:		
<hr/>				
3	10 of 11	240.0	ON	WWIS
<hr/>				
Well Id:	5114895	Lot:	003	
Concession:	11	Concession Name:	SS	
County:	PETERBOROUGH	Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)	
Easting Nad83:	735495.6	Northing Nad83:	4941848	
Zone:	17	Utm Reliability:	unknown UTM	
Primary Water Use:	Domestic	Construction Date:	18-SEP-90	
Sec. Water Use:		Well Depth:	2 ft	
Pump Rate:	2 GPM	Static Water Level:	10 ft	
Flow Rate:		Clear/Cloudy:	CLEAR	
Specific Capacity:		Final Well Status:	Water Supply	
Construction Method:	Rotary (Air)	Flowing (y/n):	N	
Elevation (m):	241.41	Elevation Reliability:		
Depth to Bedrock:	2	Overburden/Bedrock:	Bedrock	
Water Type:	FRESH	Casing Material:	STEEL	
<hr/>				
--- Details ---				
Thickness:	2 ft	Original Depth:	2 ft	
Material Colour:	BROWN	Material:	SAND	
+				
Thickness:	113 ft	Original Depth:	115 ft	
Material Colour:	GREY	Material:	GRANITE	
+				
Thickness:	1 ft	Original Depth:	116 ft	
Material Colour:	GREEN	Material:	GRANITE	
+				
Thickness:	26 ft	Original Depth:	142 ft	
Material Colour:	RED	Material:	GRANITE	
<hr/>				

Map Key	Number of Records	Elevation m	Site	DB
3	11 of 11	240.0	ON	WWIS
<div> <div> Well Id: 5115160 Concession: 11 County: PETERBOROUGH </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) </div> </div> <div> <div> Easting Nad83: 735495.6 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 3 GPM Flow Rate: Specific Capacity: Construction Method: Cable Tool Elevation (m): 241.41 Depth to Bedrock: 3 Water Type: FRESH </div> <div> Northing Nad83: 4941848 Utm Reliability: unknown UTM Construction Date: 24-OCT-90 Well Depth: 67 ft Static Water Level: 8 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: STEEL </div> </div> <div> <div> --- Details --- Thickness: 3 ft Material Colour: BROWN + Thickness: 64 ft Material Colour: BLACK </div> <div> Original Depth: 3 ft Material: SAND Original Depth: 67 ft Material: GRANITE </div> </div>				
4	1 of 1	250.0	lot 3 con 11 ON	WWIS
<div> <div> Well Id: 7184439 Concession: 11 County: PETERBOROUGH </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) </div> </div> <div> <div> Easting Nad83: 735093 Zone: 17 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type: </div> <div> Northing Nad83: 4942000 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 24-MAR-12 Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material: </div> </div>				
5	1 of 1	250.0	ON	WWIS
<div> <div> Well Id: 7134395 Concession: 11 County: PETERBOROUGH </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) </div> </div> <div> <div> Easting Nad83: 735032 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 3 GPM Flow Rate: Specific Capacity: Construction Method: Rotary (Convent.) </div> <div> Northing Nad83: 4942105 Utm Reliability: margin of error : 10 - 30 m Construction Date: 29-SEP-09 Well Depth: 4 ft Static Water Level: 28 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): </div> </div>				

Map Key	Number of Records	Elevation m	Site	DB
Elevation (m):	249.9			Elevation Reliability:
Depth to Bedrock:				Overburden/Bedrock:
Water Type:	Untested			Casing Material: STEEL
--- Details ---				
Thickness:	4 ft			Original Depth: 4 ft
Material Colour:	BROWN			Material: SAND, STONES, FINE-GRAINED
+				
Thickness:	206 ft			Original Depth: 210 ft
Material Colour:	GREY			Material: GRANITE
6	1 of 1	238.5	ON	WWIS
Well Id:	5118643			Lot: 003
Concession:	11			Concession Name: SS
County:	PETERBOROUGH			Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735673			Northing Nad83: 4941879
Zone:	17			Utm Reliability: margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date: 31-JAN-01
Sec. Water Use:				Well Depth: 80 ft
Pump Rate:	8 GPM			Static Water Level: 11 ft
Flow Rate:				Clear/Cloudy: CLEAR
Specific Capacity:				Final Well Status: Water Supply
Construction Method:	Cable Tool			Flowing (y/n): N
Elevation (m):	238.88			Elevation Reliability:
Depth to Bedrock:	13			Overburden/Bedrock: Bedrock
Water Type:	FRESH			Casing Material: OPEN HOLE,STEEL
--- Details ---				
Thickness:	13 ft			Original Depth: 13 ft
Material Colour:	RED			Material: SAND, SOFT
+				
Thickness:	7 ft			Original Depth: 20 ft
Material Colour:	RED			Material: GRANITE, HARD
+				
Thickness:	45 ft			Original Depth: 65 ft
Material Colour:	BLACK			Material: GRANITE, HARD
+				
Thickness:	7 ft			Original Depth: 72 ft
Material Colour:	GREY			Material: GRANITE, POROUS
+				
Thickness:	8 ft			Original Depth: 80 ft
Material Colour:	BLACK			Material: GRANITE, HARD
7	1 of 1	243.0	ON	WWIS
Well Id:	5109092			Lot: 003
Concession:	11			Concession Name: CON
County:	PETERBOROUGH			Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735715.1			Northing Nad83: 4942023
Zone:	17			Utm Reliability: margin of error : 100 m - 300 m
Primary Water Use:	Domestic			Construction Date: 07-JUL-78

Map Key	Number of Records	Elevation m	Site	DB
<hr/>				
Sec. Water Use:			Well Depth:	70 ft
Pump Rate:			Static Water Level:	
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	243.21		Elevation Reliability:	
Depth to Bedrock:	21		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:	21 ft		Original Depth:	21 ft
Material Colour:			Material:	SAND, CLAY
+				
Thickness:	49 ft		Original Depth:	70 ft
Material Colour:	GREY		Material:	ROCK
<hr/>				
8	1 of 1	238.8	ON	WWIS
Well Id:	5109089		Lot:	003
Concession:	11		Concession Name:	CON
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735715.1		Northing Nad83:	4941873
Zone:	17		Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic		Construction Date:	03-JUN-78
Sec. Water Use:			Well Depth:	90 ft
Pump Rate:	0 GPM		Static Water Level:	25 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	238.55		Elevation Reliability:	
Depth to Bedrock:	28		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:	28 ft		Original Depth:	28 ft
Material Colour:	BROWN		Material:	SILT, SAND, CLAY
+				
Thickness:	20 ft		Original Depth:	48 ft
Material Colour:	RED		Material:	ROCK, SHALE
+				
Thickness:	42 ft		Original Depth:	90 ft
Material Colour:	RED		Material:	ROCK, GRANITE
<hr/>				
9	1 of 1	242.0	ON	WWIS
Well Id:	7108286		Lot:	003
Concession:	11		Concession Name:	CON
County:	PETERBOROUGH		Municipality:	BELMONT & METHUEN (METHUEN)
Easting Nad83:	735719		Northing Nad83:	4942169
Zone:	17		Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic		Construction Date:	10-JUN-08
Sec. Water Use:			Well Depth:	32 ft
Pump Rate:	2 GPM		Static Water Level:	11 ft
Flow Rate:			Clear/Cloudy:	CLEAR

Map Key	Number of Records	Elevation m	Site	DB
<div> <div> Specific Capacity: Construction Method: Air Precussion Elevation (m): 244.31 Depth to Bedrock: Water Type: FRESH </div> <div> Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Casing Material: STEEL </div> </div>				
--- Details ---				
Thickness:	16 ft	Original Depth:	16 ft	
Material Colour:	RED	Material:	SAND, , SOFT	
+				
Thickness:	16 ft	Original Depth:	32 ft	
Material Colour:	RED	Material:	GRANITE, , FRACTURED	
+				
Thickness:	89 ft	Original Depth:	121 ft	
Material Colour:	GREY	Material:	GRANITE, , HARD	
+				
Thickness:	19 ft	Original Depth:	140 ft	
Material Colour:	BLACK	Material:	GRANITE, , HARD	
10	1 of 1	245.0	ON	WWIS
<div> <div> Well Id: 5109088 Concession: 11 County: PETERBOROUGH </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) </div> </div>				
<div> <div> Easting Nad83: 735765.1 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 18 GPM Flow Rate: Specific Capacity: Construction Method: Cable Tool Elevation (m): 244.31 Depth to Bedrock: 1 Water Type: FRESH </div> <div> Northing Nad83: 4942073 Utm Reliability: margin of error : 100 m - 300 m Construction Date: 31-MAY-78 Well Depth: 30 ft Static Water Level: 11 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL </div> </div>				
--- Details ---				
Thickness:	1 ft	Original Depth:	1 ft	
Material Colour:	BROWN	Material:	SAND, OVERBURDEN	
+				
Thickness:	29 ft	Original Depth:	30 ft	
Material Colour:	RED	Material:	ROCK, GRANITE, LIGHT-COLOURED	
11	1 of 1	245.0	ON	WWIS
<div> <div> Well Id: 5108654 Concession: 11 County: PETERBOROUGH </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) </div> </div>				
<div> <div> Easting Nad83: 735815.1 Zone: 17 Primary Water Use: Domestic Sec. Water Use: </div> <div> Northing Nad83: 4942023 Utm Reliability: margin of error : 100 m - 300 m Construction Date: 31-AUG-77 Well Depth: 40 ft </div> </div>				

Map Key	Number of Records	Elevation m	Site	DB
<div> <div> Pump Rate: 1 GPM Flow Rate: Specific Capacity: Construction Method: Rotary (Air) Elevation (m): 243.56 Depth to Bedrock: 26 Water Type: FRESH </div> <div> Static Water Level: 100 ft Clear/Cloudy: CLEAR Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: OPEN HOLE,STEEL </div> </div> <div> <div>--- Details ---</div> <div> Thickness: 26 ft Material Colour: BROWN + Thickness: 14 ft Material Colour: GREY + Thickness: 157 ft Material Colour: </div> <div> Original Depth: 26 ft Material: SAND Original Depth: 40 ft Material: GRANITE Original Depth: 197 ft Material: GRANITE </div> </div>				
12	1 of 1	240.0	ON	WWIS
<div> <div> Well Id: 5114581 Concession: 11 County: PETERBOROUGH Easting Nad83: 735676.1 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 10 GPM Flow Rate: Specific Capacity: Construction Method: Air Percussion Elevation (m): 240.39 Depth to Bedrock: 3 Water Type: FRESH </div> <div> Lot: 004 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) Northing Nad83: 4942337 Utm Reliability: unknown UTM Construction Date: 23-OCT-89 Well Depth: 3 ft Static Water Level: 20 ft Clear/Cloudy: CLOUDY Final Well Status: Water Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material: STEEL </div> </div> <div> <div>--- Details ---</div> <div> Thickness: 3 ft Material Colour: BROWN + Thickness: 97 ft Material Colour: RED </div> <div> Original Depth: 3 ft Material: SAND Original Depth: 100 ft Material: GRANITE </div> </div>				
13	1 of 1	245.0	ON	WWIS
<div> <div> Well Id: 7153007 Concession: 11 County: PETERBOROUGH Easting Nad83: 735832 Zone: 17 Primary Water Use: Domestic Sec. Water Use: Pump Rate: 2 GPM Flow Rate: </div> <div> Lot: 003 Concession Name: SS Municipality: BURLEIGH & ANSTRUTHER (BURLEIGH) Northing Nad83: 4941997 Utm Reliability: margin of error : 10 - 30 m Construction Date: 18-AUG-10 Well Depth: 240 ft Static Water Level: 39.6 ft Clear/Cloudy: CLEAR </div> </div>				

Map Key	Number of Records	Elevation m	Site	DB
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)		Flowing (y/n):	
Elevation (m):	244.66		Elevation Reliability:	
Depth to Bedrock:			Overburden/Bedrock:	
Water Type:	Untested		Casing Material:	STEEL
--- Details ---				
Thickness:	2 ft		Original Depth:	2 ft
Material Colour:	BROWN		Material:	TOPSOIL
+				
Thickness:	238 ft		Original Depth:	240 ft
Material Colour:	GREY		Material:	GRANITE, , SOFT

14 **1 of 1** **241.4** **ON** [WWIS](#)

Well Id:	7167920	Lot:	003
Concession:	11	Concession Name:	SS
County:	PETERBOROUGH	Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735835	Northing Nad83:	4941907
Zone:	17	Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic	Construction Date:	05-AUG-11
Sec. Water Use:		Well Depth:	80 ft
Pump Rate:	12 GPM	Static Water Level:	18 ft
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Air Percussion	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:	Untested	Casing Material:	OPEN HOLE,STEEL
--- Details ---			
Thickness:	3 ft	Original Depth:	3 ft
Material Colour:	RED	Material:	SAND, , SOFT
+			
Thickness:	65 ft	Original Depth:	68 ft
Material Colour:	GREY	Material:	GRANITE, , HARD
+			
Thickness:	12 ft	Original Depth:	80 ft
Material Colour:	RED	Material:	GRANITE, , POROUS

15 **1 of 1** **245.1** **ON** [WWIS](#)

Well Id:	5120325	Lot:	004
Concession:	11	Concession Name:	
County:	PETERBOROUGH	Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	735763	Northing Nad83:	4942291
Zone:	17	Utm Reliability:	
Primary Water Use:	Domestic	Construction Date:	27-MAY-05
Sec. Water Use:		Well Depth:	30.5 m
Pump Rate:	18.2 LPM	Static Water Level:	6.1 m
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Rotary (Air)	Flowing (y/n):	

Map Key	Number of Records	Elevation m	Site	DB
Elevation (m):	248.55		Elevation Reliability:	
Depth to Bedrock:	1		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:	.3 m		Original Depth:	.3 m
Material Colour:	BROWN		Material:	TOPSOIL, STONES
+				
Thickness:	21 m		Original Depth:	21.3 m
Material Colour:	GREY		Material:	GRANITE
+				
Thickness:	9.2 m		Original Depth:	30.5 m
Material Colour:	BROWN		Material:	GRANITE
16	1 of 1	239.0	ON	WWIS
Well Id:	5100507		Lot:	003
Concession:	10		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	734956.1		Northing Nad83:	4941559
Zone:	17		Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic		Construction Date:	20-JUN-66
Sec. Water Use:			Well Depth:	50 ft
Pump Rate:	1 GPM		Static Water Level:	3 ft
Flow Rate:			Clear/Cloudy:	CLEAR
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:	Cable Tool		Flowing (y/n):	N
Elevation (m):	239.51		Elevation Reliability:	
Depth to Bedrock:	12		Overburden/Bedrock:	Bedrock
Water Type:	FRESH		Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:	2 ft		Original Depth:	2 ft
Material Colour:			Material:	TOPSOIL
+				
Thickness:	10 ft		Original Depth:	12 ft
Material Colour:	RED		Material:	MEDIUM SAND
+				
Thickness:	38 ft		Original Depth:	50 ft
Material Colour:	BROWN		Material:	GRANITE
17	1 of 1	238.9	ON	WWIS
Well Id:	5100506		Lot:	003
Concession:	10		Concession Name:	SS
County:	PETERBOROUGH		Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	734923.1		Northing Nad83:	4941508
Zone:	17		Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic		Construction Date:	27-JUN-66
Sec. Water Use:			Well Depth:	8 ft
Pump Rate:	2 GPM		Static Water Level:	4 ft
Flow Rate:			Clear/Cloudy:	CLEAR

Map Key	Number of Records	Elevation m	Site	DB
Specific Capacity:			Final Well Status:	Water Supply
Construction Method:		Cable Tool	Flowing (y/n):	N
Elevation (m):		239.13	Elevation Reliability:	
Depth to Bedrock:		10	Overburden/Bedrock:	Bedrock
Water Type:		FRESH	Casing Material:	OPEN HOLE,STEEL
--- Details ---				
Thickness:		8 ft	Original Depth:	8 ft
Material Colour:		RED	Material:	CLAY
+				
Thickness:		2 ft	Original Depth:	10 ft
Material Colour:		GREY	Material:	CLAY
+				
Thickness:		33 ft	Original Depth:	43 ft
Material Colour:		BROWN	Material:	GRANITE
+				
Thickness:		19 ft	Original Depth:	62 ft
Material Colour:		RED	Material:	GRANITE
+				
Thickness:		8 ft	Original Depth:	70 ft
Material Colour:		BLACK	Material:	GRANITE

18 1 of 1 236.2 ON [WWIS](#)

Well Id:	5100505	Lot:	003
Concession:	10	Concession Name:	SS
County:	PETERBOROUGH	Municipality:	BURLEIGH & ANSTRUTHER (BURLEIGH)
Easting Nad83:	734878.1	Northing Nad83:	4941511
Zone:	17	Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Domestic	Construction Date:	15-JUL-66
Sec. Water Use:		Well Depth:	55 ft
Pump Rate:	2 GPM	Static Water Level:	3 ft
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Cable Tool	Flowing (y/n):	N
Elevation (m):	237.08	Elevation Reliability:	
Depth to Bedrock:	0	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	OPEN HOLE,STEEL

--- Details ---

Thickness:	17 ft	Original Depth:	17 ft
Material Colour:	RED	Material:	GRANITE
+			
Thickness:	28 ft	Original Depth:	45 ft
Material Colour:	BLACK	Material:	GRANITE
+			
Thickness:	2 ft	Original Depth:	47 ft
Material Colour:	RED	Material:	GRANITE
+			
Thickness:	8 ft	Original Depth:	55 ft
Material Colour:	BLACK	Material:	GRANITE

Unplottable Report

No unplottable records were found that may be relevant for the search criteria.

Appendix: Database Descriptions

*Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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: Up to Sept 2002 Provincial [AAGR](#)
The MAAP Program maintains a database of all 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.

Aggregate Inventory: Up to Aug 2012 Provincial [AGR](#)
The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot/concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mine Information System: 1800-Feb 2013 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.

Anderson's Waste Disposal Sites: 1860s-Present 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.

Automobile Wrecking & Supplies: 2001-Jun 2010 Private [AUWR](#)
This database provides an inventory of all 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.

Borehole: 1875-Aug 2011 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.

Certificates of Approval:

1985-Oct 30, 2011*

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.

Commercial Fuel Oil Tanks:

1948-Apr 2013

Provincial

[CFOT](#)

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

Chemical Register:

1992, 1999-Jun 2010

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.).

Inventory of Coal Gasification Plants and Coal Tar Sites:

Apr 1987 and Nov 1988*

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.*

Compliance and Convictions:

1989-Jun 2013

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.

Certificates of Property Use:

1994-Jul 2013

Provincial

[CPU](#)

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

Drill Hole Database:

1886-Jun 2013

Provincial

[DRL](#)

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNM. 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".

Environmental Activity and Sector Registry:

Oct 31, 2011-Jul 2013

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.

Environmental Registry:

1994-Jul 2013

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.

Environmental Compliance Approval:

Oct 31, 2011-Jul 2013

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 CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

Environmental Effects Monitoring:

1992-2007*

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.

ERIS Historical Searches:

1999-Mar 2013

Private

[EHS](#)

EcoLog 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.

Environmental Issues Inventory System:

1992-2001*

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.

List of TSSA Expired Facilities:

Current to Feb 2012

Provincial

[EXP](#)

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

Federal Convictions:

1988-Jun 2007*

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.

Contaminated Sites on Federal Land:

June 2000-Jan 2013

Federal

[FCS](#)

The Federal Contaminated Sites Inventory includes information on all 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.

Fisheries & Oceans Fuel Tanks:

1964-Sept 2003

Federal

[FOFT](#)

Fisheries & Oceans Canada maintains an inventory of all 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.

Fuel Storage Tank:

Current to Jun 2011

Provincial

[FST](#)

The Technical Standards & Safety Authority (TSSA), under the Technical Standards & Safety Act of 2000 maintains a database of registered private and retail fuel storage tanks in Ontario with fields such as location, tank status, license date, tank type, tank capacity, fuel type, installation year and facility type.

Ontario Regulation 347 Waste Generators Summary:

1986-Apr 2012

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.

TSSA Historic Incidents:

2006-June 2009

Provincial

[HINC](#)

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. 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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. The TSSA works to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Indian & Northern Affairs Fuel Tanks:

1950-Aug 2003*

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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.

TSSA Incidents:

June 2009-Apr 2013

Provincial

[INC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

Landfill Inventory Management Ontario:

2012

Provincial

[LIMO](#)

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the ministry compiles new and updated information. The inventory will include small and large landfills. Additionally, each year the ministry will request operators of the larger landfills complete a landfill data collection form that will be used to update LIMO and will include the following information from the previous operating year. This will include additional information such as estimated amount of total waste received, landfill capacity, estimated total remaining landfill capacity, fill rates, engineering designs, reporting and monitoring details, size of location, service area, approved waste types, leachate of site treatment, contaminant attenuation zone and more. The small landfills will include information such as site owner, site location and certificate of approval # and status.

Canadian Mine Locations:

1998-2009

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.

Mineral Occurrences:

1846-Apr 2013

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 planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

National Analysis of Trends in Emergencies System (NATES):

1974-1994*

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.

Non-Compliance Reports:

1992(water only), 1994-2010

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.

<u>National Defence & Canadian Forces Fuel Tanks:</u>	Up to May 2001*	Federal	NDFT
The Department of National Defence 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.			
<u>National Defence & Canadian Forces Spills:</u>	Mar 1999-Aug 2010	Federal	NDSP
The Department of National Defence 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.			
<u>National Defence & Canadian Forces Waste Disposal Sites:</u>	2001-Apr 2007*	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.			
<u>National Environmental Emergencies System (NEES):</u>	1974-2003*	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 all 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.			
<u>National PCB Inventory:</u>	1988-2008*	Federal	NPCB
Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all 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.			
<u>National Pollutant Release Inventory:</u>	1993-2011	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.			
<u>Oil and Gas Wells:</u>	1988-Jun 2013	Private	OGW
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 .			

Ontario Oil and Gas Wells:

1800-Jul 2013

Provincial

[OOGW](#)

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

Inventory of PCB Storage Sites:

1987-Oct 2004

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.

Orders:

1994-Jul 2013

Provincial

[ORD](#)

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

Canadian Pulp and Paper:1999, 2002, 2004, 2005,
2009

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.

Parks Canada Fuel Storage Tanks:

1920-Jan 2005*

Federal

[PCFT](#)

Canadian Heritage maintains an inventory of all 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.

Pesticide Register:

1988-Jun 2013

Provincial

[PES](#)

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

TSSA Pipeline Incidents:

June 2009-Mar 2012

Provincial

[PINC](#)

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, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

Private and Retail Fuel Storage Tanks:

1989-1996*

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).

Permit to Take Water:

1994-Jul 2013

Provincial

[PTTW](#)

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

Ontario Regulation 347 Waste Receivers Summary: 1986-2011 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.

Record of Site Condition: 1997-Sept 2001, Oct 2004-Jun 2013 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).

Retail Fuel Storage Tanks: 1999-Jun 2010 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.

Scott's Manufacturing Directory: 1992-Mar 2011 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.

Ontario Spills: 1988-Aug 2012 Provincial [SPL](#)
 This database identifies information such as location (approximate), type and quantity of contaminant, date of spill, environmental impact, cause, nature of impact, etc. Information from 1988-2002 was part of the ORIS (Occurrence Reporting Information System). The SAC (Spills Action Centre) handles all spills reported in Ontario. Regulations for spills in Ontario are part of the MOE's Environmental Protection Act, Part X.

Wastewater Discharger Registration Database: 1990-2011 Provincial [SRDS](#)
 Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

Anderson's Storage Tanks: 1915-1953* 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.

Transport Canada Fuel Storage Tanks: 1970-Mar 2007 Federal [TCFT](#)
 With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

TSSA Variances for Abandonment of Underground Storage Tanks:

Current to Jun 2013

Provincial

[VAR](#)

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

Waste Disposal Sites - MOE CA Inventory:

1970-Jul 2013

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.

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Up to Oct 1990*

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.

Water Well Information System:

1955-May 2013

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.

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.

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, within the report search radius, and the surrounding area outside the search radius.

'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 upside down 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 were included as reference.



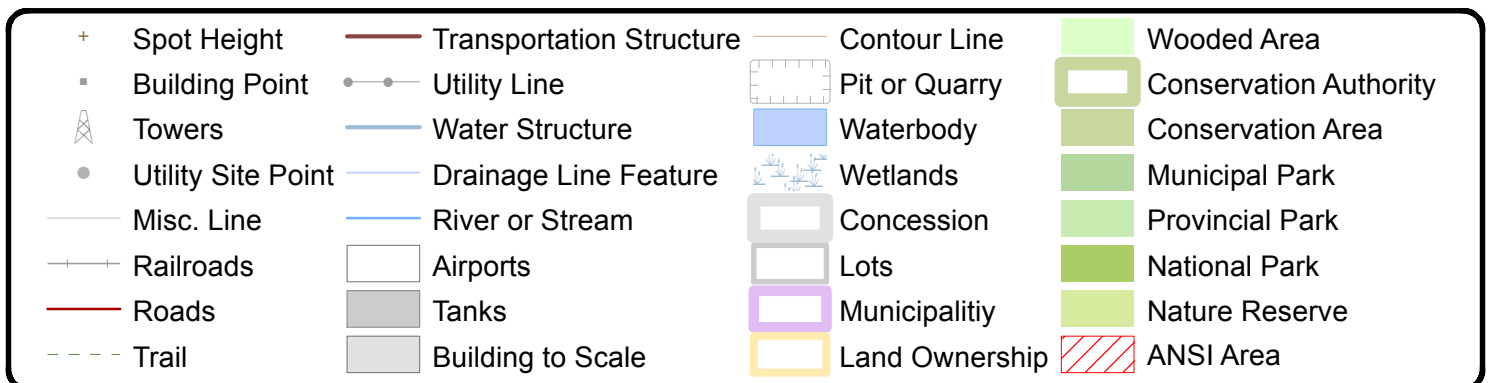
Ontario Base Mapping (OBM) Data

Order No. 20131028002

+	Spot Height	—	Transportation Structure	—	Contour Line	■	Wooded Area
■	Building Point	—	Utility Line	■	Pit or Quarry	■	Conservation Authority
⚙	Towers	—	Water Structure	■	Waterbody	■	Conservation Area
●	Utility Site Point	—	Drainage Line Feature	■	Wetlands	■	Municipal Park
—	Misc. Line	—	River or Stream	■	Concession	■	Provincial Park
—+—	Railroads	■	Airports	■	Lots	■	National Park
—+—	Roads	■	Tanks	■	Municipality	■	Nature Reserve
- - -	Trail	■	Building to Scale	■	Land Ownership		



Area of Natural & Scientific Interest (ANSI) Order No. 20131028002





ANSI Report

ANSI Units Found within 2000 m of
Latitude: 44.5922133
Longitude: -78.0354764



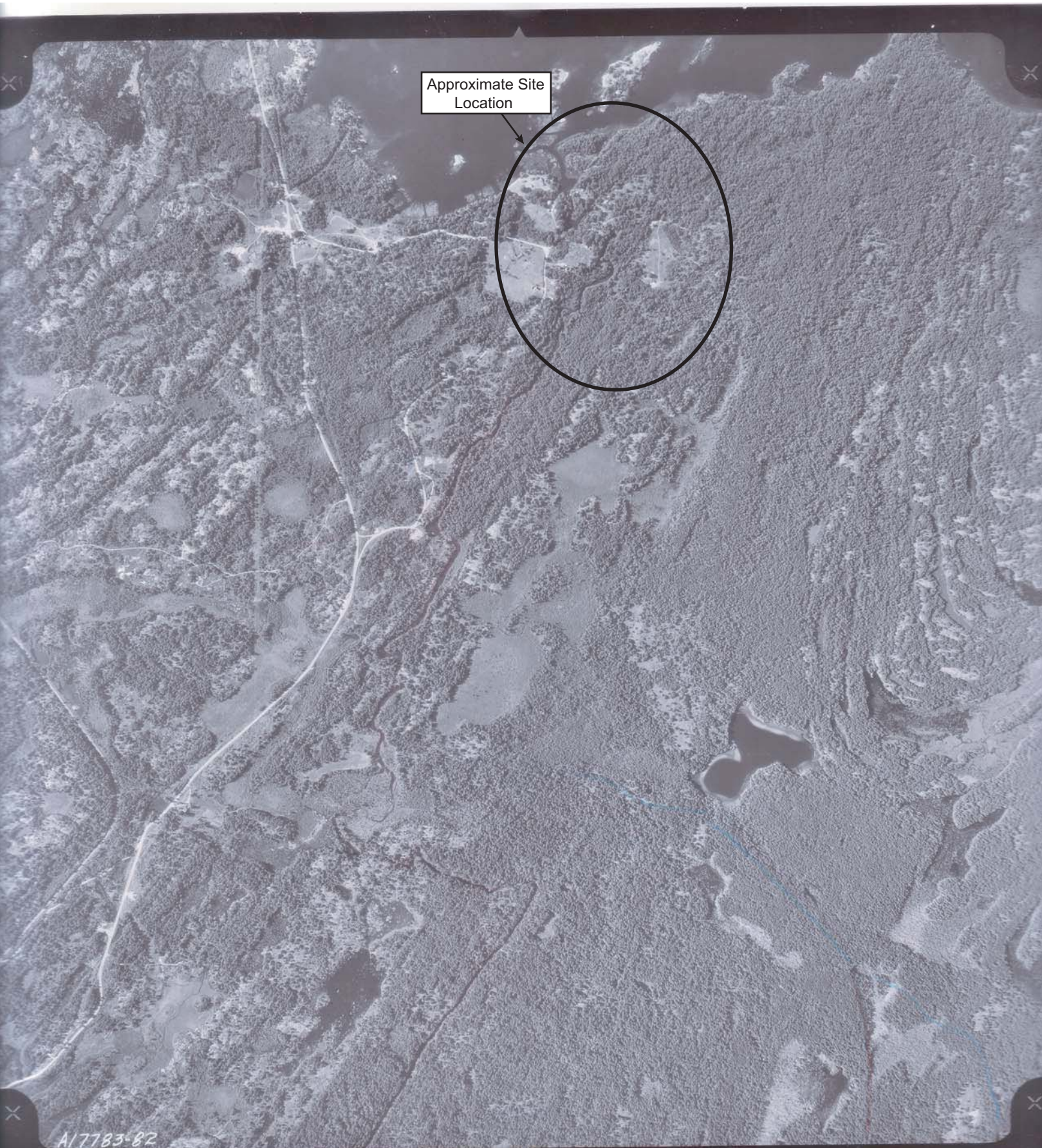
No ANSI units found within search area.

APPENDIX E

Historical Aerial Photographs



National Air Photo Library, A1907-63,
Approximate Scale - 1:15,000

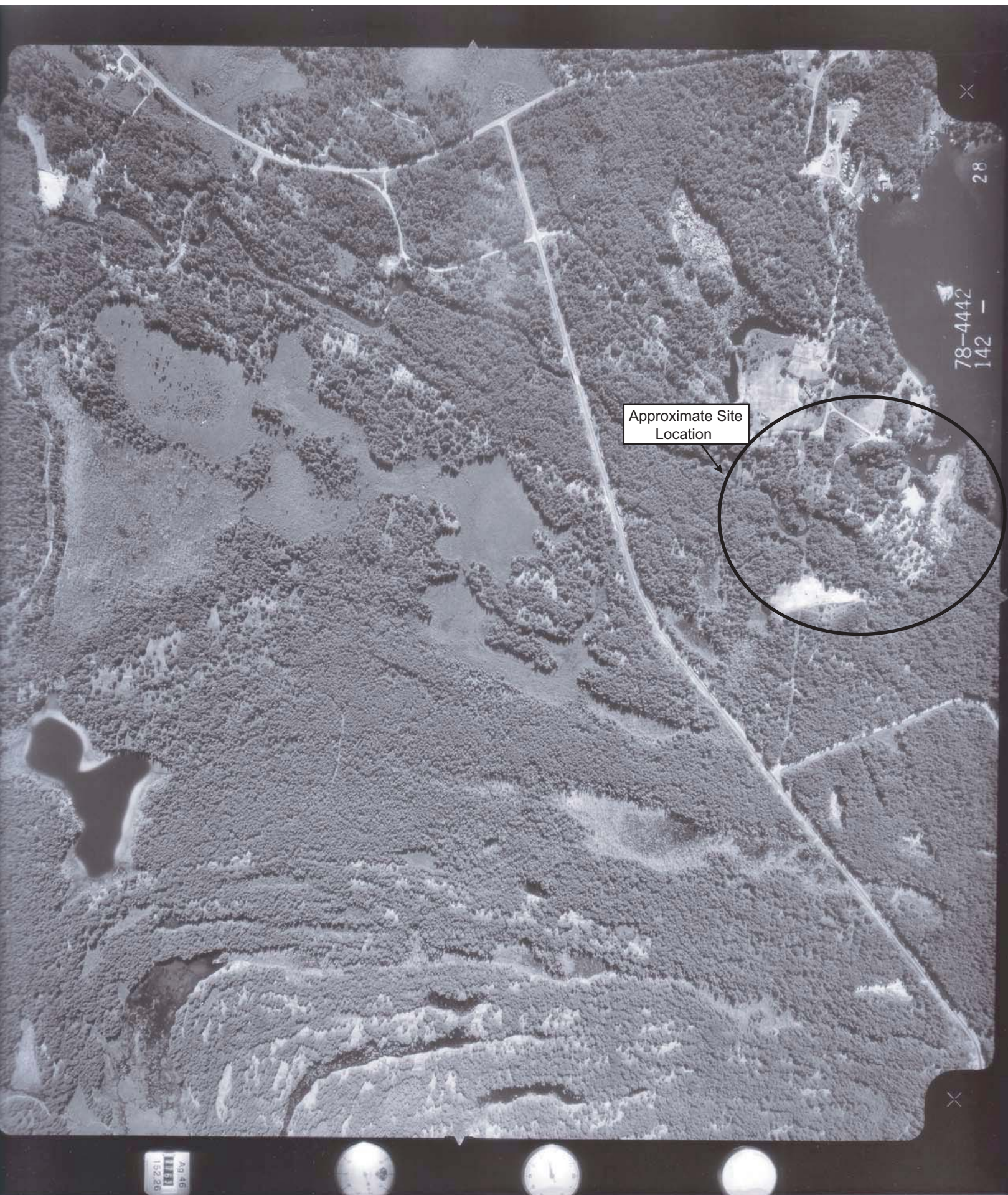


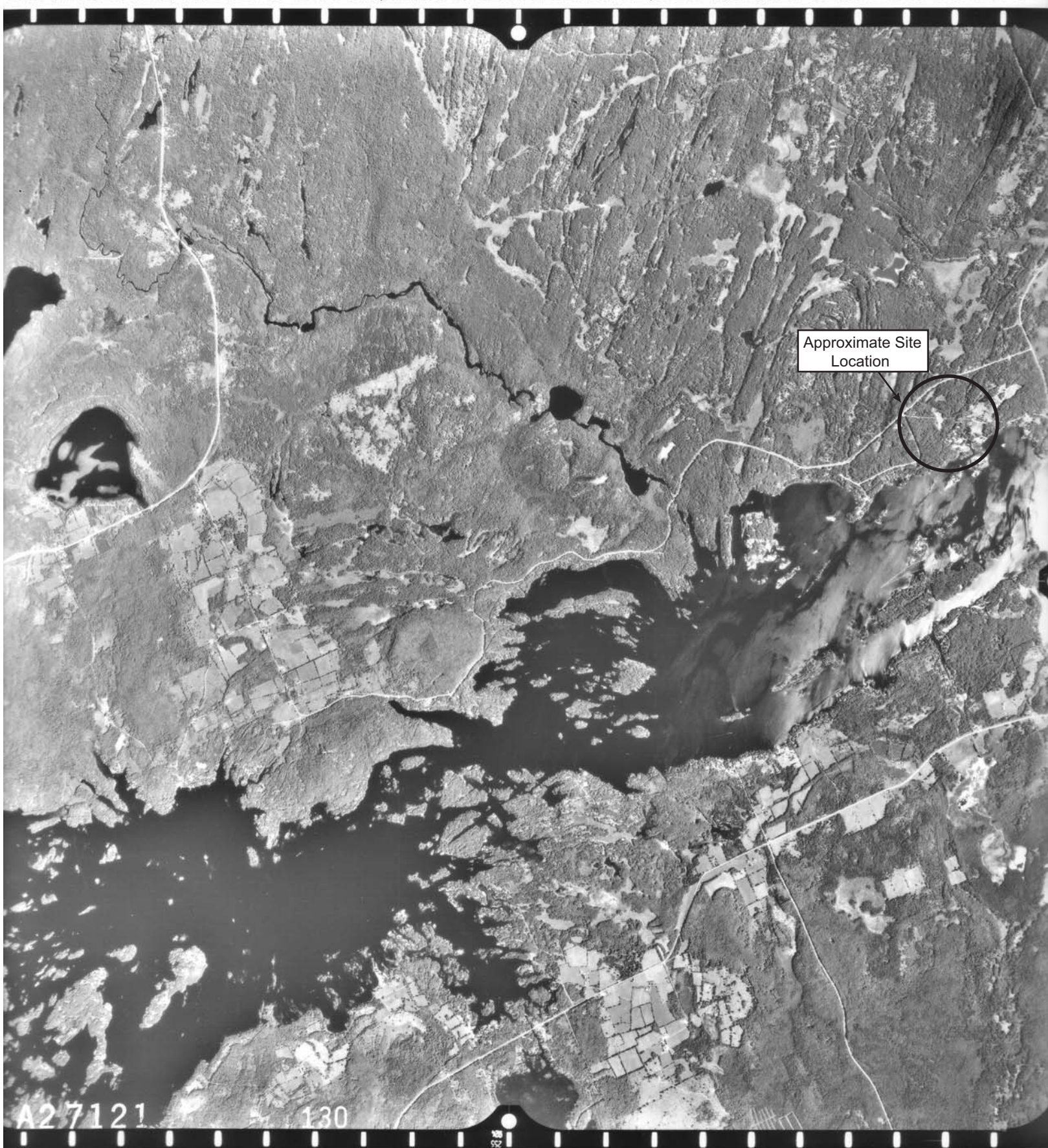
1 AIR PHOTO DIVISION ENERGY, MINES & RESOURCES - CANADIAN GOVT. COPYRIGHT

A20339-3

Approximate Site
Location

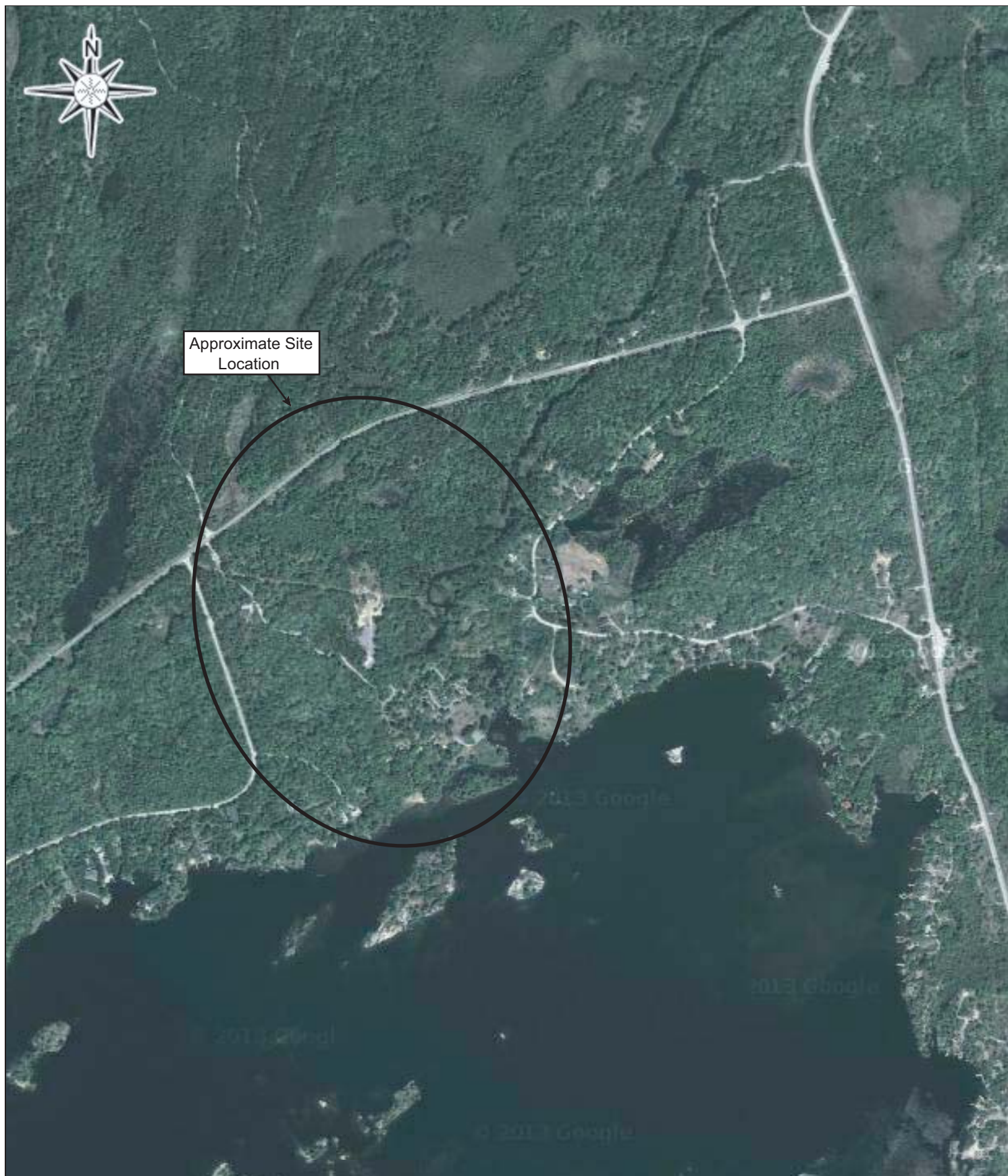








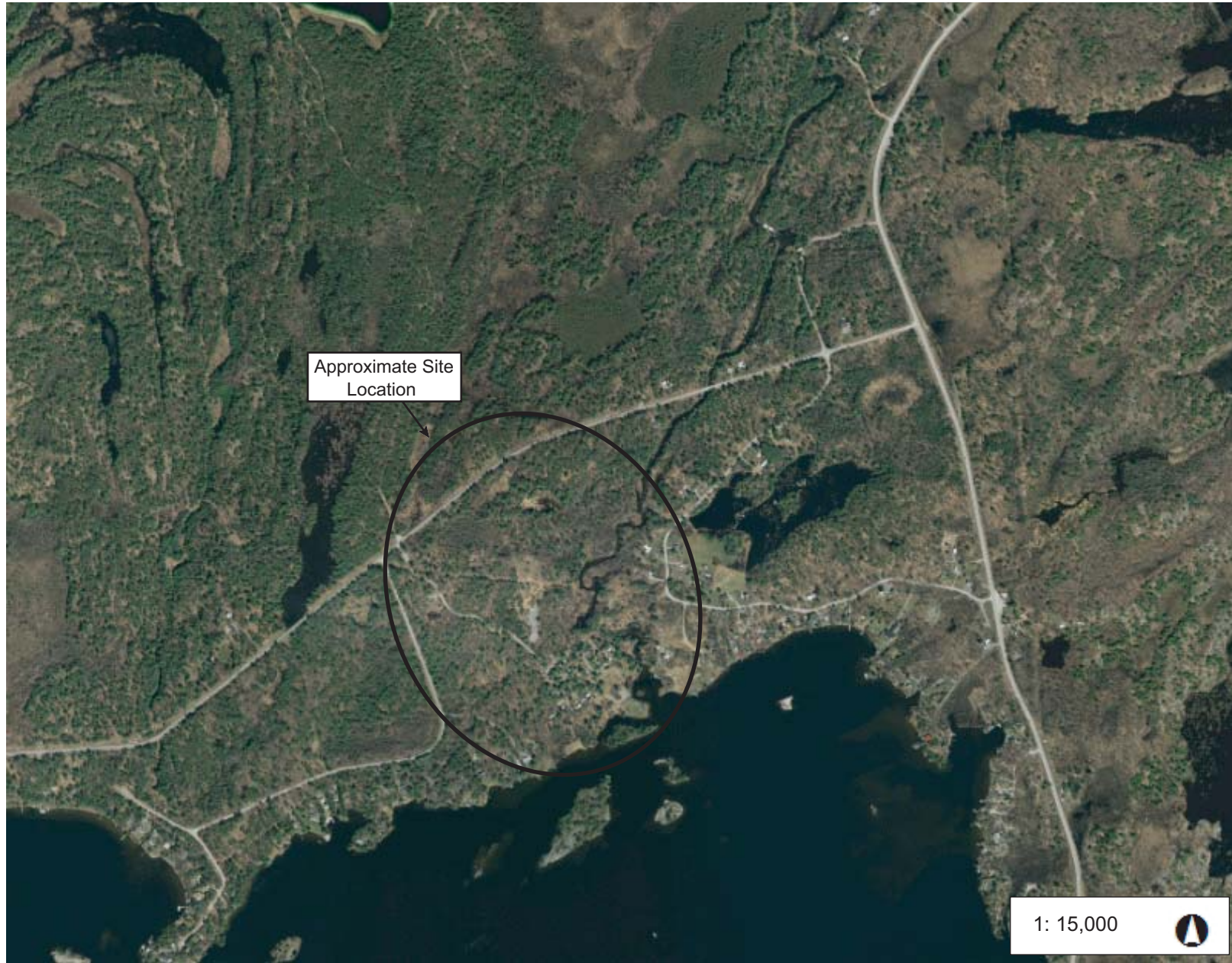






County of
Peterborough

County of Peterborough



Legend

Image

- Red: Band_1
- Green: Band_2
- Blue: Band_3

1: 15,000



762.0 0 381.00 762.0 Meters

NAD83_CSRS98_UTM_zone_17N
© Latitude Geographics Group Ltd.

This map is a user generated static output from an Internet mapping site and is for reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable.

THIS MAP IS NOT TO BE USED FOR NAVIGATION

Notes

APPENDIX F

Phase I Property Well Records

Measurements recorded in: ☐ Metric ☐ Imperial

Page 3 of 3

Well Owner's Information

First Name	Last Name / Organization Royal Homes Limited	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) Box 310 213 Arthur		Municipality Wingham	Province ON
Postal Code N0G 3K0		Telephone No. (inc. area code) 519 539 9666	

Well Location

Address of Well Location (Street Number/Name) 2250 Norwicks Bay Rd.		Township North Keweenaw	Lot 3	Concession 11
County/District/Municipality Peterborough		City/Town/Village Kawatha	Province Ontario	Postal Code K9H 4K0
UTM Coordinates NAD 83 117350934942000		Municipal Plan and Sublot Number		Other RP 45R5530

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
yellow	Sand			0 22
bl.	granite			22 85
bl.	granite			85 89
gray	granite			89 150
gray	granite			150 169
bl.	granite			

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
0 22	benlate grout	

Method of Construction	Well Use
<input type="checkbox"/> Cable Tool <input type="checkbox"/> Rotary (Conventional) <input type="checkbox"/> Rotary (Reverse) <input type="checkbox"/> Boring <input type="checkbox"/> Air percussion <input type="checkbox"/> Other, specify	<input type="checkbox"/> Diamond <input type="checkbox"/> Jetting <input type="checkbox"/> Driving <input type="checkbox"/> Digging <input type="checkbox"/> Public <input type="checkbox"/> Commercial <input type="checkbox"/> Domestic <input type="checkbox"/> Municipal <input type="checkbox"/> Livestock <input type="checkbox"/> Test Hole <input type="checkbox"/> Irrigation <input type="checkbox"/> Industrial <input type="checkbox"/> Cooling & Air Conditioning <input type="checkbox"/> Not used <input type="checkbox"/> Dewatering <input type="checkbox"/> Monitoring <input type="checkbox"/> Other, specify

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	From	To
64	Steel	1.88	12	22	22
68	Open hole		22	169	169

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

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
89	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From To	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested		
165	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

Well Contractor and Well Technician Information			
Business Name of Well Contractor South West Waterworks		Well Contractor's Licence No. 65167	
Business Address (Street Number/Name) 2013 North Kew Rd.		Municipality Kawatha	
Province ON	Postal Code K9H 4K0	Business E-mail Address	
Bus. Telephone No. (inc. area code) 519 539 9666			
Name of Well Technician (Last Name, First Name) R. P. P. P.			
Well Technician's Licence No. 11138		Signature of Technician and/or Contractor R. P. P. P.	
Date Submitted 7/11/17		Date Submitted 7/11/17	

Results of Well Yield Testing			
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify		Draw Down	
If pumping discontinued, give reason:		Time (min)	Water Level (m/ft)
Pump intake set at (m/ft) 160		Static Level	16.9
Pumping rate (l/min / GPM) 5		1	20.10
Duration of pumping 1 hrs + 0 min		2	22.50
Final water level end of pumping (m/ft) 118.50		3	25.00
If flowing give rate (l/min / GPM)		4	27.40
Recommended pump depth (m/ft) 165		5	29.10
Recommended pump rate (l/min / GPM)		10	40.10
Well production (l/min / GPM) 2		15	49.20
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		20	51.40
		25	64.40
		30	72.30
		40	79.40
		50	105.10
		60	118.50

Map of Well Location	
Please provide a map below following instructions on the back.	
Comments:	
Well owner's information package delivered <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Date Package Delivered 7/11/17
Date Work Completed 7/11/17	Ministry Use Only Audit No. z127493
Received	

Well Owner's Information

First Name

Last Name / Organization

E-mail Address

Mailing Address (Street Number/Name)

Municipality

Province

Postal Code

Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name)

Township

Lot

Concession

County/District/Municipality

City/Town/Village

Province

Postal Code

UTM Coordinates Zone Easting Northing

Municipal Plan and Sublot Number

Other

General Colour		Most Common Material	Other Materials	General Description	Depth (m/ft)	
From	To				From	To
Bl		Top Soil		hard	0	2
grayish		granite		"	2	45
very white		granite		"	45	125
blackish		granite		"	125	195
Black		granite	quartzite		195	250
white, Bl		granite			250	259
Black		granite			259	292

Sealing Record

Depth Set at (m/ft)

Type of Sealant Used (Material and Type)

Volume Placed (m³/ft³)

From

To

Construction

☐ Cable Tool

☐ Diamond

☐ Public

☐ Commercial

☐ Not used

☒ Rotary (Conventional)

☐ Jetting

☐ Domestic

☐ Municipal

☐ Dewatering

☐ Rotary (Reverse)

☐ Driving

☐ Livestock

☐ Test Hole

☐ Monitoring

☐ Boring

☐ Digging

☐ Irrigation

☐ Cooling & Air Conditioning

☐ Air percussion

☐ Industrial

☐ Other, specify

Inside Diameter (cm/in)		Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
				From	To	
64		Steel	1.88	1.5	20	
				20	292	

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

Water Details

Water found at Depth (m/ft)

Kind of Water: ☐ Fresh ☒ Untested

Depth (m/ft) From To

Diameter (cm/in)

Water found at Depth (m/ft)

Kind of Water: ☐ Fresh ☐ Untested

0

20

8

Water found at Depth (m/ft)

Kind of Water: ☐ Fresh ☐ Untested

20

292

64

Well Contractor's Information

Business Name of Well Contractor

Well Contractor's Licence No.

Business Address (Street Number/Name)

Municipality

Province

Postal Code

Business E-mail Address

Well Technician's Information

Bus. Telephone No. (inc. area code)

Name of Well Technician (Last Name, First Name)

Well Technician's Licence No.

Signature of Technician and/or Contractor

Date Submitted

Draw Down		Recovery	
Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
Static Level			
1	16.95	1	123.40
2	18.00	2	127.88
3	19.06	3	129.34
4	20.08	4	131.62
5	21.15	5	131.30
10	27.25	10	118.78
15	33.05	15	116.28
20	38.58	20	113.96
25	43.88	25	111.66
30	48.94	30	109.43
40	58.55	40	105.13
50	67.60	50	100.90
60	76.25	60	97.15

Well Location

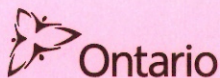
Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered ☒ Yes ☐ No

Date Package Delivered 2013 M M D D

Date Work Completed 2013 M M D D



Ministry of
the Environment

Tag#: A130935

Print Below)

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Page 3 of 3

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
	Royal Homes Limited		
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
P.O. Box 370, 213 Aurora St	Wingham	ON	N0G2A0

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4786 Pelasgus West Rd	N0506 Kawartha	7-3	11
County/District/Municipality	City/Town/Village	Province	Postal Code
Peterborough	Warkworth	Ontario	
UTM Coordinates	Zone	Easting	Northing
NAD 8 3	17	1735290	4941929
Municipal Plan and Sublot Number			
Other			
RP45R8530			

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
yellow	moor			0 3
Bluish	granite			3 18
Bl pink	granite			18 24
Bl white	granite			24 190

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 20	Bestonite grout	

Results of Well Yield Testing

After test of well yield, water was:	Draw Down	Recovery
<input type="checkbox"/> Clear and sand free	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Other, specify	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level	
	6.35	135.5
	1	130.30
Pump intake set at (m/ft)	2	129.70
Pumping rate (l/min / GPM)	3	128.90
Duration of pumping	4	128.70
3 hrs + min	5	127.80
Final water level end of pumping (m/ft)	10	124.90
135.5	15	122.30
If flowing give rate (l/min / GPM)	20	120.40
	25	117.30
Recommended pump depth (m/ft)	30	115.70
185	40	111.60
Recommended pump rate (l/min / GPM)	50	107.80
2	60	104.40
Well production (l/min / GPM)		
1.5		
Disinfected?		
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

Method of Construction

<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used
<input checked="" type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/> Municipal	<input type="checkbox"/> Dewatering
<input type="checkbox"/> Rotary (Reverse)	<input type="checkbox"/> Driving	<input type="checkbox"/> Livestock	<input type="checkbox"/> Test Hole	<input type="checkbox"/> Monitoring
<input type="checkbox"/> Boring	<input type="checkbox"/> Digging	<input type="checkbox"/> Irrigation	<input type="checkbox"/> Cooling & Air Conditioning	
<input type="checkbox"/> Air percussion		<input type="checkbox"/> Industrial		
<input type="checkbox"/> Other, specify		<input type="checkbox"/> Other, specify		

Well Use

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)	Status of Well
6 7/8	steel	1.88	+15 -20	<input checked="" type="checkbox"/> Water Supply
6 7/8	open hole		20 190	<input checked="" type="checkbox"/> Replacement Well
				<input type="checkbox"/> Test Hole
				<input type="checkbox"/> Recharge Well
				<input type="checkbox"/> Dewatering Well
				<input type="checkbox"/> Observation and/or Monitoring Hole
				<input type="checkbox"/> Alteration (Construction)
				<input type="checkbox"/> Abandoned, Insufficient Supply
				<input type="checkbox"/> Abandoned, Poor Water Quality
				<input type="checkbox"/> Abandoned, other, specify
				<input type="checkbox"/> Other, specify

Construction Record - Screen

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

Water Details

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
128	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From	To

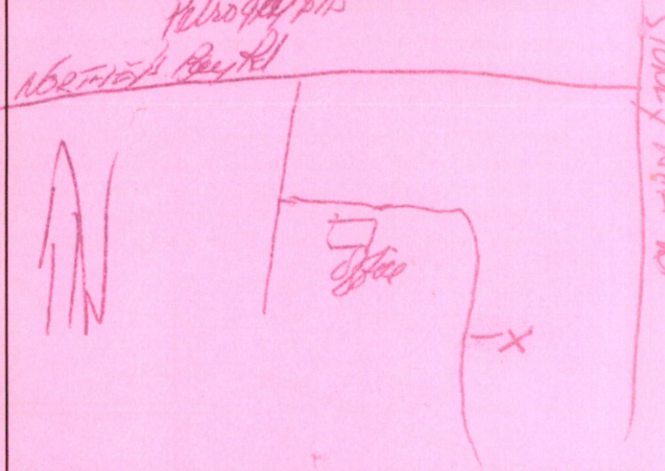
Hole Diameter

Well Contractor and Well Technician Information

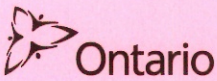
Business Name of Well Contractor	Well Contractor's Licence No.
KEITH WHITE'S WATER WELLS	65164
Business Address (Street Number/Name)	Municipality
2613 North School Rd	
Province	Postal Code
ON	K0L1Z0
Business E-mail Address	
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)
7097781036	WHITE KEITH
Well Technician's Licence No.	Signature of Technician and/or Contractor
1732	
	Date Submitted
	20130607

Map of Well Location

Please provide a map below following instructions on the back.



Comments:	Well owner's information package delivered	Date Package Delivered	Ministry Use Only
	<input type="checkbox"/> Yes <input type="checkbox"/> No	20130607	Audit No.
			Z 150681
			Received



Measurements recorded in: ☐ Metric ☒ Imperial

Page 1 of 3

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
	Royal Homes Limited		
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code
P.O. Box 213 Arthur St.	Wingham	ON	N0B2W0

Well Location

Address of Well Location (Street Number/Name)	Township	Lot	Concession
4786 Kingsmill West Rd.	North Kawartha	P 3	11
County/District/Municipality	City/Town/Village	Province	Postal Code
Peterborough	Lakefield	Ontario	
UTM Coordinates	Zone	Easting	Northing
NAD 83	17	735361	4941843
Municipal Plan and Sublot Number			Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
yellow	sand			0 5
grey/red	granite			5 18
Black	granite		white & brown granite	18 120
White	granite			120 140
Blue	granite		Brown grey	140 250

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
0 20	Bentonite grout		

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

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
6 7/8	steel	.188	15 20	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify	
6 8	open hole		20 250		

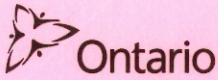
Construction Record - Screen			
Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)
			From To

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From To	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 20	8
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	20 250	6 7/8
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

Well Contractor and Well Technician Information			
Business Name of Well Contractor	Well Contractor's Licence No.		
Royal White's Water Wells	6564		
Business Address (Street Number/Name)	Municipality		
2613 Northbrook Rd.	Barrock		
Province	Postal Code	Business E-mail Address	
ON	K0A1Z0		
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
705 778 7036	Sylvia Kemp		
Well Technician's Licence No.	Signature of Technician and/or Contractor		
1132	[Signature]		
Date Submitted			
2013 10 16			

Results of Well Yield Testing			
After test of well yield, water was:		Draw Down	
<input type="checkbox"/> Clear and sand free		Time (min)	Water Level (m/ft)
<input type="checkbox"/> Other, specify			
If pumping discontinued, give reason:		Static Level	
-		7.60	
Pump intake set at (m/ft)		1	11.13
220		2	14.38
Pumping rate (l/min / GPM)		3	17.56
5		4	20.65
Duration of pumping		5	23.74
1 hrs + 0 min		10	37.92
Final water level end of pumping (m/ft)		15	50.46
163.50		20	62.10
If flowing give rate (l/min / GPM)		25	72.74
-		30	82.30
Recommended pump depth (m/ft)		40	99.45
245		50	112.69
Recommended pump rate (l/min / GPM)		60	125.66
5			
Well production (l/min / GPM)			
4.5			
Disinfected?			
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			

Map of Well Location	
Please provide a map below following instructions on the back.	
Comments:	
Well owner's information package delivered	
Date Package Delivered	
2013 10 16	
Date Work Completed	
2013 10 16	
Ministry Use Only	
Audit No.	
Z 150691	
Received	



Ministry of
the Environment

We Tag#: A130939 (Print Below)

Well Record

Measurements recorded in: ☐ Metric ☒ Imperial

RECEIVED

Page 3 of 3

Well Owner's Information

First Name	Last Name / Organization	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner		
	Royal Homes Limited				
Mailing Address (Street Number/Name)		Municipality	Province	Postal Code	Telephone No. (inc. area code)
P.O. Box 370 213 Arthur St.		Wingham	ON	N0B 2X0	

Well Location

Address of Well Location (Street Number/Name)		Township	Lot	Concession	
4786 Kilgus Road		Norfolk	A-3	11	
County/District/Municipality		City/Town/Village	Province	Postal Code	
Peterborough		Lakefield	Ontario		
UTM Coordinates	Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD	8	3	17735376	4941700	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
Yellow	sand			From To
grey & white	granite			4 300
9 Bl.				

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
From To			
2 20	Bentonite grout		

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

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
			From To	<input type="checkbox"/> Water Supply	
6 1/4	Steel	1/8	1.5 20	<input type="checkbox"/> Replacement Well	
6 8	open hole		20 300	<input checked="" type="checkbox"/> Test Hole	
				<input type="checkbox"/> Recharge Well	
				<input type="checkbox"/> Dewatering Well	
				<input type="checkbox"/> Observation and/or Monitoring Hole	
				<input type="checkbox"/> Alteration (Construction)	
				<input type="checkbox"/> Abandoned, Insufficient Supply	
				<input type="checkbox"/> Abandoned, Poor Water Quality	
				<input type="checkbox"/> Abandoned, other, specify	
				<input type="checkbox"/> Other, specify	

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

Water Details		Hole Diameter	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
612 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From To	
70 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		
132 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

Business Name of Well Contractor		Well Contractor's Licence No.	
Keith White's Water Wells		6564	
Business Address (Street Number/Name)		Municipality	
2613 Arthur St.		Hawthorn	
Province	Postal Code	Business E-mail Address	
ON	K0L 1Z0		
Bus. Telephone No. (inc. area code)	Name of Well Technician (Last Name, First Name)		
705 777 7036	Keith White		
Well Technician's Licence No.	Signature of Technician and/or Contractor	Date Submitted	
1732	[Signature]	20130810	

SEP 12 2013

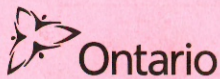
Results of Well Yield Testing

After test of well yield, water was:		Draw Down		Recovery	
<input checked="" type="checkbox"/> Clear and sand free		Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
<input type="checkbox"/> Other, specify					
If pumping discontinued, give reason:		Static Level			
-		6.40			
Pump intake set at (m/ft)		1	10.30	1	62.80
210		2	12.80	2	50.50
Pumping rate (l/min / GPM)		3	15.50	3	57.30
69 GPM		4	18.10	4	55.00
Duration of pumping		5	20.45	5	52.75
1 hrs + 0 min		10	32.10	10	43.30
Final water level end of pumping (m/ft)		15	38.40	15	37.20
67.10		20	44.60	20	30.70
If flowing give rate (l/min / GPM)		25	49.50	25	26.55
-		30	53.60	30	23.20
Recommended pump depth (m/ft)		40	59.75	40	18.70
295		50	64.20	50	15.70
Recommended pump rate (l/min / GPM)		60	67.10	60	12.95
6					
Well production (l/min / GPM)					
+6					
Disinfected?					
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					

Map of Well Location

Please provide a map below following instructions on the back.

Comments:	
Well owner's information package delivered	Date Package Delivered
<input type="checkbox"/> Yes <input type="checkbox"/> No	20130713
	Date Work Completed
	20130713
Ministry Use Only	
Audit No. Z 150686	
Received	



Ministry of
the Environment

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

Well Record

Regulation 903 Ontario Water Resources Act

Measurements recorded in: ☐ Metric ☒ Imperial

Page 1 of 1

Well Owner's Information

First Name	Last Name / Organization ROYAL HOMES LTD	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) PO BOX 213 ARTHUR ST	Municipality WILKHAM	Province ON	Postal Code M0G 2W0
Telephone No. (inc. area code)			

Well Location

Address of Well Location (Street Number/Name) 4786 PINGRINS REST RD.		Township BURLEIGH	Lot PT 3	Concession 11
County/District/Municipality PETERBOROUGH		City/Town/Village LAKEFIELD	Province Ontario	Postal Code K0C 2H0
UTM Coordinates NAD 83	Zone 17	Easting 735315	Northings 4942076	Municipal Plan and Sublot Number
				Other

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
RED	SAND	GRAVEL	SOFT	0 7
GREY	GRANITE		HARD	7 86
BLACK	GRANITE		HARD	86 108
GREY	GRANITE		HARD	108 120
BLACK	GRANITE		HARD	120 290
PINK	GRANITE		HARD	290 320

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
0 20	BENTONITE SLURRY	7 FT³	

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

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
6 1/8	STEEL	188	0 20	<input type="checkbox"/> Water Supply	
6 1/8	OPEN HOLE		20 320	<input type="checkbox"/> Replacement Well	
				<input checked="" type="checkbox"/> Test Hole	
				<input type="checkbox"/> Recharge Well	
				<input type="checkbox"/> Dewatering Well	
				<input type="checkbox"/> Observation and/or Monitoring Hole	
				<input type="checkbox"/> Alteration (Construction)	
				<input type="checkbox"/> Abandoned, Insufficient Supply	
				<input type="checkbox"/> Abandoned, Poor Water Quality	
				<input type="checkbox"/> Abandoned, other, specify	
				<input type="checkbox"/> Other, specify	

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

Water Details		Hole Diameter	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
110 (m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	From To	
		0 20	8 3/4
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
(m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	20 320	6 1/8
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
(m/ft)	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		

Business Name of Well Contractor WENSLEY WATER WELL LTD		Well Contractor's Licence No. 6578
Business Address (Street Number/Name) RR 2 LAKEFIELD		Municipality PETERBOROUGH
Province ON	Postal Code K0C 2H0	Business E-mail Address
Bus. Telephone No. (inc. area code) 705 652 1629	Name of Well Technician (Last Name, First Name) ERIK WENSLEY	
Well Technician's Licence No. 0632	Signature of Technician and/or Contractor	Date Submitted 2014 05 23

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, <i>specify</i>	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level	9.76		
	1	13.34	1	110.04
Pump intake set at (m/ft)	2	14.34	2	108.24
	3	15.37	3	106.93
Pumping rate (l/min / GPM) 35	4	16.43	4	105.58
Duration of pumping 2 hrs + 0 min	5	17.42	5	104.53
Final water level end of pumping (m/ft) 114.95	10	25.62	10	98.79
If flowing give rate (l/min / GPM) -	15	31.46	15	94.09
	20	37.69	20	89.81
Recommended pump depth (m/ft) 31.5	25	43.07	25	86.03
Recommended pump rate (l/min / GPM) 3.5	30	48.54	30	82.56
Well production (l/min / GPM) 35	40	57.66	40	76.36
	50	65.50	50	70.68
Disinfected?	60	74.1	60	66.35
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				

Map of Well Location		
Please provide a map below following instructions on the back.		
Comments: PUMPED FOR 2 HRS WATER LEVEL @ 114.95		
Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D 2014 05 23	Ministry Use Only Audit No. 178439
Date Work Completed 2014 05 23		Received

Measurements recorded in: ☐ Metric ☒ Imperial

Well Owner's Information

First Name	Last Name / Organization ROYAL HOMES LTD	E-mail Address	<input checked="" type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) PO Box 213 ARTHUR ST	Municipality WINDHAM	Province ON	Postal Code M0G2 400
Telephone No. (inc. area code)			

Well Location

Address of Well Location (Street Number/Name) 4786 PILGRIMS REST RD.		Township BURLEIGH	Lot PT 3	Concession 11
County/District/Municipality PETERBORO		City/Town/Village LAKEFIELD	Province Ontario	Postal Code K0L 2H0
UTM Coordinates NAD 83	Zone 17	Easting 735500	Northings 4841762	Municipal Plan and Sublot Number
Other				

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
RED	SAND		WET	0 16
BLACK	GRANITE		HARD	16 95
RED	GRANITE		FRACTURED	95 100
BLACK	GRANITE		HARD	100 128
WHITE	GRANITE		HARD	128 140
BLACK	GRANITE		HARD	140 160

Annular Space			
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	
0 20	BENTONITE	14 FT³	

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

Construction Record - Casing				Status of Well	
Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		
6 1/8	STEEL	188	0 20	<input checked="" type="checkbox"/> Water Supply	
6 1/8	OPEN HOLE		20 160	<input type="checkbox"/> Replacement Well	
				<input checked="" type="checkbox"/> Test Hole	
				<input type="checkbox"/> Recharge Well	
				<input type="checkbox"/> Dewatering Well	
				<input type="checkbox"/> Observation and/or Monitoring Hole	
				<input type="checkbox"/> Alteration (Construction)	
				<input type="checkbox"/> Abandoned, Insufficient Supply	
				<input type="checkbox"/> Abandoned, Poor Water Quality	
				<input type="checkbox"/> Abandoned, other, specify	
				<input type="checkbox"/> Other, specify	

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

Water Details		Hole Diameter	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Depth (m/ft)	Diameter (cm/in)
120 (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		From To	
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 20	8 3/4
(m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify		20 160	6 1/8
Water found at Depth	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested		
(m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify			

Business Name of Well Contractor WENSLEY WATER WELL LTD		Well Contractor's Licence No. 6 5 7 8
Business Address (Street Number/Name) RR 2 LAKEFIELD		Municipality PETERBORO
Province ON	Postal Code K0L 2H0	Business E-mail Address
Bus. Telephone No. (inc. area code) 705 652 1629	Name of Well Technician (Last Name, First Name) ERIC WENSLEY	
Well Technician's Licence No. 0632	Signature of Technician and/or Contractor	Date Submitted 20140630

Results of Well Yield Testing				
After test of well yield, water was: <input checked="" type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, <i>specify</i>	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason:	Static Level	8.6		
	1	11.2	1	67.8
Pump intake set at (m/ft) 155	2	13.6	2	66.9
Pumping rate (l/min / GPM) 5	3	15.6	3	66.1
Duration of pumping 1 hrs + min	4	17.7	4	65.6
Final water level end of pumping (m/ft) 68	5	19.7	5	65.1
If flowing give rate (l/min / GPM)	10	28	10	55.3
	15	35.1	15	46.9
Recommended pump depth (m/ft) 155	20	41	20	39.4
	25	45.7	25	33.7
Recommended pump rate (l/min / GPM) 5	30	50	30	29
Well production (l/min / GPM) 5	40	57.5	40	21.5
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	50	63.3	50	16.7
	60	68	60	13.4

Map of Well Location

Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y Y M M D D 20140612	Date Work Completed 20140612	Ministry Use Only Audit No. Z 178443 Received
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APPENDIX G

Site Photos



Photo left:
Public washroom facility
located at southern portion of
Phase I Property.

Photo right: Hot water tank for public washroom facility.

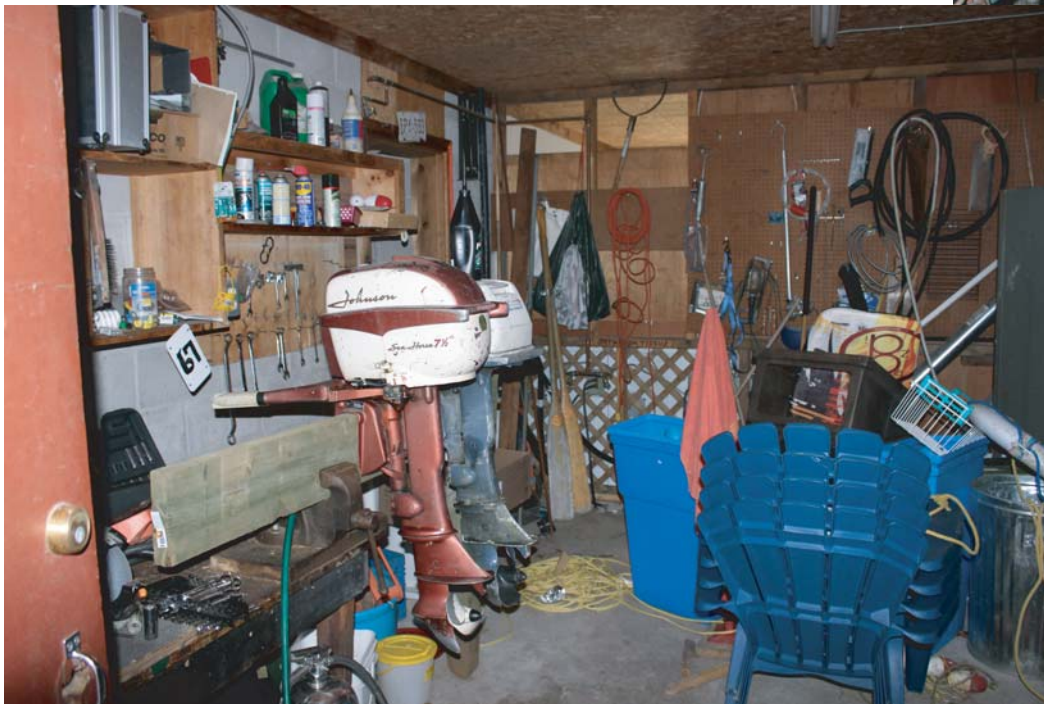


Photo left:
Storage room located inside
public washroom facility.

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough

TITLE

Site Photos #1

PROJECT #

FIGURE NO.

DATE

Photos taken November 7, 2013.



Photo left:
Administration office located near
entrance to Phase I Property.



Photo right: Propane tank located at rear of
Administration office.



Photo left:
Seasonal camping trailers located at southern
portion of Phase I Property.

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough

TITLE

Site Photos #2

PROJECT #

FIGURE NO.

DATE

Photos taken November 7, 2013.



Photo left:
Looking southwest toward Stony Lake
and picnic shelter.

Photo right: Drinking water treatment system located
adjacent to Jack Creek.



Photo left:
Looking northeast at Jack Creek and drinking water
intake system.

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**
Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough

TITLE	
Site Photos #3	
PROJECT #	FIGURE NO.
DATE	



Photo above: Lands located east of Phase I Property



Photo above: Lands located south of Phase I Property



Photo above:
Residential lands located west of Phase I Property



Photo above: Lands located west of Phase I Property



Photo above: Lands located north of Phase I Property



Photo above: Residential lands located north of Phase I Property

<p><i>Photos taken November 7, 2013.</i></p>	<p>Phase I Environmental Site Assessment (ESA) Pilgrim's Rest Campground Part Lots 3 & 4, Concession 11 (former Burleigh), Township of North Kawartha, County of Peterborough</p>	TITLE	
		Site Photos #4	
		PROJECT #	FIGURE NO.
		DATE	



Photo left:
Beach located at southwestern portion of
Phase I Property



Photo right: Docking facilities located adjacent to
Phase I Property on Stony Lake



Photo left: Drilled well located on Phase I Property

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough

TITLE

Site Photos #5

PROJECT #

FIGURE NO.

DATE

Photos taken November 7, 2013.



Photo left:
Ground maintenance yard and shed (former pit area)



Photo right: Looking east at transmission line corridor



Photo left:
Boat storage located in ground maintenance yard (former pit area)

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**
Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough

TITLE
Site Photos #6

PROJECT #

FIGURE NO.

DATE



Photo left: Looking south at campground water intake and treatment building (April 22, 2014)



Photo right: Water Well Construction (May 5, 2014)



Photo below: Panaramic photo looking east at pumping test setup (November 27, 2014)

**Phase I
Environmental Site Assessment (ESA)
Pilgrim's Rest Campground**

Part Lots 3 & 4, Concession 11 (former Burleigh),
Township of North Kawartha, County of Peterborough

TITLE

Site Photos #7

PROJECT #

FIGURE NO.

DATE