GOLDER
MEMBER OF WSP

REPORT

Phase One Environmental Site Assessment

8243 Wellington Country Road 19, Fergus, Ontario

Submitted to:

883890 Ontario Limited c/o Fergus Development Inc.

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Submitted by:

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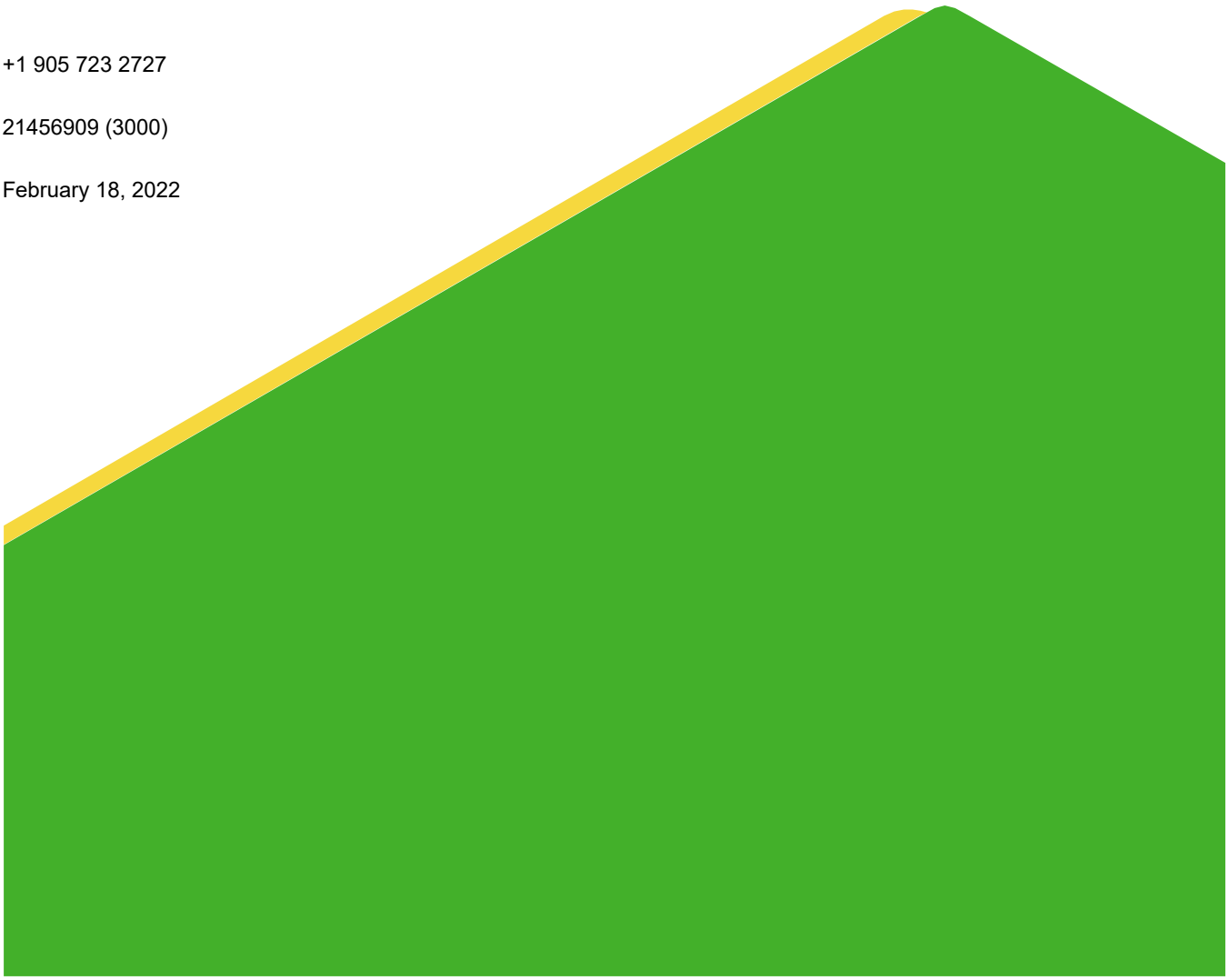

Distribution List

E-copy - 883890 Ontario Limited c/o Fergus Development Inc.

E-copy - Golder Associates Ltd.

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1.0 EXECUTIVE SUMMARY

Golder Associates Ltd. (“Golder”) was retained by 883890 Ontario Limited c/o Fergus Development Inc. (“Fergus Development”) to conduct a Phase One Environmental Site Assessment (“Phase One ESA”) of the south course of the Fergus Golf Club property located at 8243 Wellington County Road 19, Fergus, Ontario (the “Phase One Property”).

The existing golf course consists of two parcels: the northwest parcel, which is 42.35 ha, situated to the north of Wellington Road 19 at 8282 Wellington Road 19, and the southeast parcel (“SE Site”) which is 39.85 ha, situated on the south side of Wellington Road 19 at 8243 Wellington Road 19. It is understood that the Phase One Property will be redeveloped with a residential property use. At the time of the site reconnaissance, conducted on April 7, 2021, the Phase One Property was occupied by a portion of a golf course, including greens, fairways and hazards, a residential house and maintenance shed. The Phase One Property is owned by 883890 Ontario Limited.

The Phase One ESA was completed in accordance with Ontario Regulation (“O.Reg.”) 153/04 and included a review of available current and historical information, a site visit, an interview, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 10.0 of this report. The Phase One Property is not considered an enhanced investigation property as defined by O.Reg. 153/04. The date of last work on the Phase One ESA is April 20, 2021.

Based on the information obtained and reviewed as part of this Phase One ESA, two areas of potential environmental concern (“APEC”) were identified. Accordingly, a Phase Two ESA is required for the submission of a Record of Site Condition (“RSC”), if an RSC is required.

Response to Golder’s request for information from the Ministry of the Environment, Conservation and Parks (“MECP”) was not available at the time of report preparation. The absence of this information is unlikely to change the report conclusions.

2.0 INTRODUCTION

2.1 Phase One Property Information

Golder Associates Ltd. (“Golder”) was retained by 883890 Ontario Limited c/o Fergus Development Inc. (“Fergus Development”) to conduct a Phase One Environmental Site Assessment (“Phase One ESA”) of the following property (the “SE Site” or the “Phase One Property”):

Municipal Address	None
Property Identification Number	71494-0306 (LT)
Legal Description	PT LT 9 CON 3 WEST GARAFRAXA; PT LT 10 CON 3 WEST GARAFRAXA AS IN RON97571; CENTRE WELLINGTON

The location of the Phase One Property is provided in Figure 1. A plan describing the Phase One Property is provided in Figure 2.

The contact information for the Phase One Property owner is:

Owner / Client	Address	Contact Information
Client: 883890 Ontario Limited c/o Fergus Development Inc. Owner: 883890 Ontario Limited	3190 Steeles Avenue East, Suite 300, Markham, ON L3R 1G9	Ms. Farrah Ward, P.Eng. Office: (905)-477-1177 ext. 246 Email: farrahw@geranium.com

3.0 SCOPE OF INVESTIGATION

A Phase One ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the Phase One Property and a review of relevant and readily available environmental information for the surrounding properties located within a 250 metre ("m") radius of the boundary of the Phase One Property (collectively referred to as the "Phase One Study Area"). The boundary of the Phase One Study Area is presented in Figure 2.

According to Ontario Regulation ("O.Reg.") 153/04 *Records of Site Condition*, the objectives of a Phase One ESA are to:

1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Phase One Property;

2) Determine the need for a Phase Two Environment Site Assessment ("ESA");

3) Provide a basis for carrying out a Phase Two ESA;

4) Provide adequate preliminary information about environmental conditions in the land or water on, in or under the SE Site for the conduct of a risk assessment following completion of a Phase Two ESA; and,

5) Identify and report on evidence of actual and/or potential contamination on the Phase One Property from current and historical activities at the Phase One Property or the surrounding area.

4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250 m radius of the boundary of the Phase One Property. Based on Golder's review of the historical and current information compiled as part of this Phase One ESA for the area surrounding the SE Site and observations of neighbouring properties made during the site visit, it was concluded that an assessment of information pertaining to properties within 250 m of the boundary of the Phase One Property was sufficient to achieve the objectives of the Phase One ESA.

4.1.2 First Developed Use Determination

The date of first developed use of the Phase One Property was determined based on review of the chain of title information and aerial photographs. The Phase One Property has been owned by private individuals from 1825 to 1989 (Lot 9), 1873 to 1990 (Lot 9, Part 3) and 1825 to 1990 (Lot 10). The southern portion of the Phase One Property was developed with a structure (inferred residential dwelling) in 1930. The Fairview Golf Course was developed between 1980 and 1990.

Accordingly, the first developed use of the Phase One Property is 1930.

4.1.3 Insurance Records

Golder asked Opta Information Intelligence (“Opta”) to provide any fire insurance plans (“FIPs”), property underwriters’ reports (“PURs”) and property underwriters’ plans (“PUPs”) related to the Site and surrounding properties. Golder was informed by Opta that there are no records pertaining to the Phase One Property and surrounding properties.

4.1.4 Chain of Title

Chain of title information for the Phase One Property was obtained from Domsons Title Search Inc. Previous owners of the Phase One Property have included:

Owner’s Name	Dates of Ownership
Crown	Prior to March 8, 1825
Lot 9	
Rebecca Forrester	March 8, 1825 to December 5, 1853
Thomas Street	December 5, 1853 to October 9, 1873
Alexander Mitchell, later known as Robert Black	October 9, 1873 to November 7, 1945
James Black and John Black	November 7, 1945 to May 19, 1948
James Black	May 19, 1948 to November 1, 1973
Lorne Brett	November 1, 1973 to May 1, 1974
Tini Bouwman	May 1, 1974 to November 21, 1989
Lot 9, Part 3, 60R-1207	
Alexander Mitchell, later known as Robert Black	October 9, 1873 to February 13, 1942
Grand River Conservation Authority	February 13, 1942 to April 21, 1976
Tini Bouwman	October 18, 1974 to September 24, 1976
Morley McIlwraith and Norma McIlwraith	April 21, 1976 to September 24, 1976
Morley McIlwraith, Norma McIlwraith, Edward Miller and William Dobbie	September 24, 1976 to June 22, 1977
William Dobbie, Margaret Miller, Kenneth McIlwraith, Norma McIlwraith, Margaret Miller and Edward Miller	June 22, 1977 to July 31, 1979

Owner's Name	Dates of Ownership
380107 Ontario Limited	July 31, 1979 to April 30, 1990
Lot 10	
Rebecca Forrester	March 8, 1825 to December 5, 1853
Thomas Street	December 5, 1853 to January 11, 1858
William Williamson	January 11, 1858 to October 9, 1883
Agnes Rideout	October 9, 1883 April 14, 1885
Robert Mitchell	April 14, 1885 to November 22, 1901
Robert Black	November 22, 1901 to November 9, 1945
John N. Black and James Black	November 9, 1945 to March 19, 1948
James Black	May 19, 1948 to November 1, 1973
Lorne Brett	November 1, 1973 to May 1, 1974
Tini Bouwman	May 1, 1974 to November 21, 1989
All parcels	
380107 Ontario Limited	November 21, 1989 to April 30, 1990
883890 Ontario Limited	Since April 30, 1990

The chain of title indicates that the present owner, 883890 Ontario Limited, lease the Phase One Property to Mark Robert Snider, Sharon Elizabeth Snider, Brent Wilson Cass, Kathryn Ann Cass, Brian Harold Walker, Kathryn Ann Walker and "cob Fairview Golf & Country Club".

4.1.5 City Directories

Based on the location of the Phase One Property, historical city directories were not requested for the Phase One Property and surrounding properties within the Phase One Study Area. At the time of writing this report, city directories had not yet been obtained, due to limitations caused by the Covid-19 pandemic. The absence of this information is unlikely to be a significant limitation to the report based on the other sources of information that were available for review.

4.1.6 Environmental Reports

The following environmental reports (ordered from oldest to most recent) related to the Site were provided to Golder. Golder consulted these reports to develop an understanding of the environmental conditions at the Site and surrounding properties.

- *"Stage 1 Archaeological Assessment, Proposed Residential Development, Fergus Golf Club, 8282 County Road 19, Part of Lots 9, 10 and 11, Concession 3, Geographic Township of Garafaxa, now Township of Centre Wellington, County of Wellington, Ontario"* prepared by Golder Associates Ltd. for 883890 Ontario Limited c/o Fergus Development Inc., dated February 17, 2022 ("2022 Archaeological Report");
- "*Environmental Impact Study Fergus Golf Club, Township of Centre Wellington, Wellington County"* prepared by Beacon Environmental for 883890 Ontario Limited c/o Fergus Development Inc. and dated January 2022 ("2022 Environmental Impact Study");
- *"Preliminary Geotechnical Investigation, Proposed Residential Development, Fergus Golf Club, 8243 County Road 19, Fergus Ontario"* prepared by Golder Associates Ltd. for 883890 Ontario Limited c/o Fergus Development Inc., dated February 4, 2022 ("2022 Geotechnical Report"); and
- *"Hydrogeological Investigation, Proposed Residential Development, 8243 and 8282 Wellington Road 19, Fergus Ontario"* prepared by Golder Associates Ltd. for 883890 Ontario Limited c/o Fergus Development Inc., dated February 2022 ("2022 Hydrogeological Report").

While technical peer reviews of the reports were not completed, noteworthy findings from these reports are summarized in the following sections.

2022 Archaeological Report

- The subject site includes part of the north golf course as well as the Phase One Property, known at the time of the report as part of the Fergus Golf Club.
- The Stage 1 Archaeological Assessment was conducted in accordance with the *Planning Act* to provide information regarding the geography, history, previous archaeological investigations and current land condition, and to evaluate the archaeological potential of the Site which will support further investigation as part of a Stage 2 survey. This is in support of the due diligence process for the proposed residential development on the property.
- The investigation included a review of the historical and archaeological context of the site and property inspection by a licensed archaeologist to determine features or characteristics that have the potential for archaeological resources.
- Research indicated that the property has archaeological potential for the recovery of both Indigenous and historical Euro-Canadian archaeological resources. This was based on the proximity of a previously registered archaeological site containing Indigenous resources and proximity to historical settlements and transportation routes.
- It was recommended that a Stage 2 Archaeological Assessment be undertaken at undisturbed or potentially undisturbed locations identified in the report. The locations identified include the majority of the Phase One Property.

2022 Environmental Impact Study

- The subject site of the report was the Phase One Property, formerly known as the Fairview Golf Club.

- The purpose of the Environmental Impact Study ("EIS") was to describe the existing natural heritage conditions, identify applicable environmental policies and evaluate project conformance, identify potential development impacts to natural heritage features and ecological functions and identify appropriate mitigation recommendations;
- The EIS field investigation included an aquatic habitat assessment, ecological land classification and flora, wetland feature staking, breeding bird surveys, amphibian call surveys, basking turtle surveys, bat habitat assessment, bat acoustic monitoring and bat exit surveys;
- The onsite aquatic systems were noted to be comprised of a single drainage feature which is highly channelized. This feature was reportedly dug to collect surface water runoff which connects to Irvine Creek. Based on the field observations Irvine Creek was considered as poor fish habitat;
- Two threatened bird species, Bobolink and Eastern Meadowlark, were identified at the SE Site and confirmed to be breeding on the SE Site. Grassland habitat was noted to be present on the Phase One Property suitable for both species. Habitat regulations for these species allow removal of habitat if suitable new habitat is created in the same ecoregion;
- Little Brown Myotis and Northern Myotis, both an endangered species, were detected at the SE Site as part of the bat acoustic monitoring. It was reported that a low number of calls were detected during the typical bat emergence period suggesting the wooded features on the SE Site are not maternity roost habitat. It was reported that the SE Site is likely used for foraging or flyover habitat. No overwintering habitat was considered to be present;
- A portion of the central woodland/wetland feature at the SE Site is associated with Core Greenlands on the County of Wellington Official Plan. These woodlands were noted to not meet the criteria for significant woodlands as they are too small (less than 4 ha). There are also three wetland communities are present on the SE Site, the central wetland feature, a second wetland located in the north end of the SE Site and a third located within the south end of the SE Site associated with a shallow dig pond that dries up in the summer;

2022 Geotechnical Report

- The subject site includes the north golf course as well as the Phase One Property, known at the time of the report as part of the Fergus Golf Club.
- The geotechnical investigation included the advancement of eighteen boreholes, twelve on the Phase One Property, between March 22 and 31, 2021. The boreholes were advanced to depths between 3 mbgs and 10 mbgs to determine the subsurface conditions at the property. Standard Penetration Testing (SPT) and sampling were completed at regular intervals for geotechnical analysis. Sixteen of the eighteen wells were installed with monitoring wells for monitoring of groundwater levels.
- Topsoil was encountered in all boreholes, ranging in thickness from about 50 mm to 300 mm. An underlying organic silt layer was found in Boreholes BH21-1 and BH21-3, extending to depths of about 0.7 mbgs and 0.9 mbgs. This deposit was layered with a glacial till deposit in BH21-8 and contained a clayey silt to silt layer in BH21-18.

- Underlying topsoil were deposits of sand to silty sand or cohesive deposits of silty clay to clayey silt with sand to silt with sand between 0.7 mbgs to 3.5 mbgs and 2.2 mbgs to 2.6 mbgs respectively. These deposits were then underlain by till consisting of silty clay to clayey silt with cobbles and boulders where most of the boreholes were terminated. One borehole (BH21-18) encountered a deposit of silty sand underlying the till.
- The groundwater levels in the installed wells were measured between 0.6 mbgs to 7.3 mbgs.

2022 Hydrogeological Report

- The subject site includes the north golf course as well as the Phase One Property, known at the time of the report as part of the Fergus Golf Club.
- The purpose of the investigation was required as part the draft plan submission process for the proposed residential development on the Phase One Property.
- The hydrogeological report included assessing the existing hydrogeological conditions, preparing a pre- and post-development water budget assessment based on current designs, assessing the potential hydrogeological impacts of development and to assess the feasibility of potential low impact development (LID) options to mitigate against any reductions in post-development infiltration rates.
- The property is located within the Irvine Creek subwatershed, part of the Grand River watershed. There are a number of ponds and unevaluated wetlands, no existing ponds and only one wetland will be retained based on the proposed plans.
- Water well records indicate 90 water supply wells within 500 m, including four existing irrigation wells on the NW Site and SE Site that are used by Fergus Golf Club.
- The investigation was completed concurrently with the 2022 Geotechnical Report with the installation of sixteen monitoring wells (10 on the Phase One Property) out of the eighteen boreholes advanced. In addition, five shallow piezometer (P) and staff gauge (SG) pairs, PZ1/SG1, PZ2/SG2, PZ3/SG3, PZ4/SG4 and PZ5/SG5 were manually installed at the site in Black Drain (PZ1/SG1) and the wetlands (PW2/SG2 to PZ5/SG5). The shallow piezometers were installed to an approximate depth of 0.76 to 1.16 mbgs. The pairs were installed to assess the vertical gradient in the drain and the wetlands.
- Groundwater levels were manually measured at the monitoring wells on April 5, April 8/9/12, and April 14, 2021. The depth to groundwater at the monitoring wells ranged from -0.09 mbgs to 2.36 mbgs and from elevations of 423.97 masl to 434.56 masl on the dates monitored. Shallow groundwater at most of the SE Site was inferred to flow in an easterly, southerly or westerly direction towards Black Drain, except along the eastern edge of the SE Site where shallow groundwater was inferred to flow in a northeasterly direction towards Lake Belwood.
- Vertical and hydraulic gradients were determined based on monitoring of the piezometer and staff gauges which occurred concurrently with the groundwater level monitoring. The central wetland is characterized by seasonally high groundwater conditions followed by a seasonal dry period in the summer months. In addition, hydraulic conductivity tests were performed at each of the monitoring wells. The estimated geometric mean hydraulic conductivity of the surficial non-cohesive soils at the tested locations is $7x10^{-7}$ m/s (n=4), and of the underlying cohesive soils and glacial till is $8x10^{-8}$ m/s (n=6) for the Phase One Property.

4.2 Environmental Source Information

Golder contracted Environmental Risk Information Services Ltd. (“ERIS”) to conduct a search of environmental sources, including federal, provincial and private sector databases, for information on the Phase One Property and Phase One Study Area. The ERIS report is provided in Appendix C.

Noteworthy records were reported for the Phase One Property included the following:

- Two domestic wells were reportedly advanced in 1977 and 1990 to a depth 108 m and 50 m, respectively. Stratigraphy of the wells were reported as sand, clay, and limestone. Static water level was reported at 12 m and 19 m, and depth to bedrock was reported at 28 m and 78 m; and
- A permit to take water was listed in 2015.

Noteworthy records reported for the Phase One Study Area (excluding the Phase One Property) included the following:

- Forty-five water wells were reportedly advanced between 1975 and 2016 to depths ranging from 6 m to 85 m. The general stratigraphy of the wells was clay and sand with limestone, when depths of the wells were greater than 35 m. Depth of static water level ranged from 4 m to 52 m and depth to bedrock ranged from 33 m to 79 m. Of those forty-five wells, thirty-seven wells are for domestic use, one is for livestock use, one is for public use, three are decommissioned wells, one is a recharge well and one well record did not have a description of stratigraphy or use.
- A 10 litre (“L”) non-polychlorinated biphenyl (“PCBs”) transformer oil spill occurred at 8282 County Road 19, Fergus approximately 80 m west; it was reported that the spill was cleaned. The incident was reported in August 2018.

4.2.1 Ministry of the Environment, Conservation and Parks

The local district office of the Ministry of the Environment, Conservation and Parks (“MECP”) was contacted to determine if the MECP has maintained a file with respect to the Phase One Property. Specifically, the MECP was asked to respond in writing to the following questions:

- Has the MECP ever issued any approvals, permits or licences?
- Has the MECP ever issued any control orders or violation notices?

At the time of preparation of this report, the MECP had not issued a response to Golder.

4.2.2 Technical Standards and Safety Authority, Fuel Safety Division Records

The Technical Standards and Safety Authority (“TSSA”) maintains records related to registered underground storage tanks (“USTs”) for petroleum-related products. The TSSA was contacted to establish the status of the Phase One Property and to identify outstanding instructions, incident reports, fuel oil spills or contamination records. On March 9, 2021, TSSA reported via e-mail that there were no records on file pertaining to the Phase One Property. Their response is included in Appendix B.

4.3 Physical Setting Sources

4.3.1 Aerial Imagery

Aerial imagery for the Phase One Property and the surrounding area was reviewed by Golder. Information obtained from the review of the aerial photographs is summarized in the following table.

Year	Phase One Property	Surrounding Area
1930	The SE Site appears to be comprised of agricultural fields. Forested land was observed in the centre of the SE Site with a roadway in a northeast-southwest direction across the SE Site. It appears that a structure may be located in the southwestern portion of the SE Site. Due to the scale of the aerial photograph, observations are limited.	North: Intersection at 3rd Line and Wellington County 19 followed by agricultural fields East: 3rd Line followed by agricultural fields, forested land and a residential property South: Agricultural fields, 2nd Line and a residential property West: Wellington Road 19 with agricultural fields and two residential homes
1958	Generally as per the 1930 aerial photograph, with the exception that the forested area is more prominent and no apparent structure on SE Site.	Generally as per the 1930 aerial photograph, except for the development of Belwood Lake to the east. A former railway line is located immediately south of the Phase One Property (current Elora Cataract Trailway, owned by GRCA, former CN rail line)
1964	Generally as per the 1958 aerial photograph.	Generally as per the 1958 aerial photograph, with the exception that there is more residential development surrounding Belwood Lake.
1976	Generally as per the 1964 aerial photograph.	Generally as per the 1964 aerial photograph, except for the vegetation growth surrounding the residential properties near Belwood Lake. Rennie Boulevard is east of the SE Site.
1980	Generally as per the 1976 aerial photograph, with the exception of what appears to be a small water body in the north of the forested area and a waterbody in the central portion of the SE Site. There are also two structures in the southern portion of the SE Site. One of the structures in the southern portion appear to have a driveway and what resembles a parking lot. Due to the scale of the aerial photograph, observations are limited.	Generally as per the 1976 aerial photograph. A residential property appears to be located at the east corner of Wellington Road 19 and 3rd Line.
1990	Generally as per the 1980 aerial photograph except that the water body and the structure appear to have expanded. There appears to be a bunker on the eastern corner of the SE Site.	Generally as per the 1980 aerial photograph, with the increase in residential properties surrounding Belwood Lake. There is a property adjacent to the south of the SE Site that appears to be residential.

Year	Phase One Property	Surrounding Area
2006 (Google Earth Image)	The SE Site appears to be a golf course with three small water bodies, greens, fairways and associated hazard features for a nine-hole golf course with 9 golf holes. There are two buildings (the current residential dwelling and a smaller structure 200 metres south of the residence).	Northwest of the SE Site across Wellington Road 19, the agricultural land has been cleared and developed into what resembles a golf course. There are bunkers throughout the SE Site, water hazards including a small creek/tributary that leads to a small water body on the north portion of this property. There is a parking lot and the main building on the southern portion of this property adjacent to Wellington Road 19.
2016 (Google Earth Image)	Generally as per the 2006 image.	Generally as per the 2006 Google Earth image.

Based on the aerial photographs, the Phase One Property appears to have included agricultural fields, forested land and a structure in 1930. The surrounding properties primarily included agricultural fields and associated structures with a small residential community surrounding Belwood Lake. The residential community first appeared in 1958. The Phase One Property was developed into a golf course with evidence of associated structures, hazards, fairways, and greens by 1980.

4.3.2 Topography, Hydrology and Geology

The following records were reviewed to identify topographic, geologic, and hydrogeological conditions at the Phase One Property. A topographic map (Ontario Base Map) showing the Phase One Property and the location of any water bodies is provided in Appendix C. Additional information on site features, as observed at the time of the site visit, is provided in Section 6.

Topic	Conditions	Comment / Source
Topography of Site and Surrounding Area	The topography of the Phase One Property consisted of undulating topography. The Phase One Property was relatively at grade with surrounding properties but had higher elevations on the western and northeast property boundaries; along Wellington Road 19 and 3 Line, respectively.	SE Site and surrounding area observations, 2022 Geotechnical Report
Overburden Soils	The surficial geology in the vicinity of the Phase One Property is expected to consist of sand and buff or pink sandy till from the lacustrine, kame and outwash unit and Wentworth till unit. The 2022 Geotechnical Report found that underlying topsoil were deposits of sand to silty sand or cohesive deposits of silty clay to clayey silt with sand to silt with sand. These deposits were then underlain by till consisting of silty clay to clayey silt with cobbles and boulders where most of the boreholes were terminated. One borehole encountered a deposit of silty sand underlying the till.	Surficial Geology of Southern Ontario provided to Golder by ERIS, 2022 Geotechnical Report

Topic	Conditions	Comment / Source
Type of Bedrock	Bedrock in the vicinity of the Phase One Property consists of Upper Silurian to Lower Devonian, sandstone, shale, dolostone and siltstone of Guelph Formation.	Bedrock Geology of Ontario Map provided to Golder by ERIS.
Depth to Bedrock	Bedrock was not encountered in the 2021 Geotechnical investigation.	2022 Geotechnical Report
Inferred Near Surface Groundwater Flow	Regional groundwater flow is expected to flow southerly with discharge to the Grand River, located approximately 2.67 km south from the Phase One Property. Based on the SE Site topography and surface water drainage, the inferred direction of shallow groundwater flow is expected to flow in the easterly direction towards the Grand River (Belwood Lake). In the 2022 Hydrogeological Report, shallow groundwater at most of the SE Site was inferred to flow in an easterly, southerly or westerly direction towards Black Drain, except along the eastern edge of the SE Site where shallow groundwater was inferred to flow in a northeasterly direction towards Lake Belwood. Buried utilities and other underground structures can affect local (shallow) groundwater flow conditions. Inferred groundwater flow directions are subject to confirmation with field measurements.	Ontario Base Map provided to Golder by ERIS, 2022 Hydrogeological Report
Site Grade Relative to the Adjoining Properties	The SE Site appears to follow the topography of the area and is at grade with respect to properties located adjacent to the SE Site, with the exception of a slight increase in grade immediately west and northeast of the SE Site.	Site observations
Depth to Groundwater	Based on the water well records, two domestic water wells on the Phase One Property reported static water level 12 m and 19 m. In the 2022 Hydrogeological Report the depth to groundwater at the monitoring wells ranged from -0.09 mbgs to 2.36 mbgs and from elevations of 423.97 masl to 434.56 masl.	ERIS Report, 2022 Hydrogeological Report

4.3.3 Fill Materials

Topic	Conditions	Comment / Source
Fill Materials	The Site representative for the golf course reported that he was not aware of any fill ever having been brought to the Phase One Property.	Site observations, Site representative

4.3.4 Water Bodies, Areas of Natural Significance, and Groundwater Information

Topic	Conditions	Comment / Source
Nearest Open Water Body	Three unnamed ponds are on the Phase One Property. One pond closest to the maintenance shed is used for turf irrigation. Black Drain ditch is on the western portion of the Phase One Property and drains southerly. Belwood Lake is located approximately 175 m east of the SE Site. This lake resulted from the construction of Shand Dam on the Grand River in 1942 for flood protection and to improve water quality. It is part of a conservation area under the Grand River Conservation Authority ("GRCA").	Ontario Base Map, SE Site observations Grand River Conservation Authority
Areas of Natural Significance ("ANS")	None identified within the Phase One Study Area.	Ministry of Natural Resources Natural Heritage Information Centre on-line database. Areas of Natural & Scientific Interest Map
Wellhead Protection Areas	The Phase One Study Area is located within the Grand River well-head protection area.	MECP Source Protection Atlas, Official Plans Grand River Conservation Authority Web GIS Application
Municipal Drinking Water Distribution Systems	The Phase One Property and other properties within the Phase One Study Area are likely supplied by water wells. The area is mainly sourced by groundwater.	Google Street view, Site visit Grand River – Drinking Water Source Protection

4.3.5 Well Records

Topic	Conditions	Comment / Source
Water Wells on SE Site (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use)	Based on the review of well records, there are two domestic wells reported on the Phase One Property. One domestic well was advanced in 1977 to 108 m; stratigraphy was described as clay and rock; static water level was 19 m and depth to bedrock was at 78 m. The other domestic well was advanced in 1990 to 50 m; the stratigraphy was described as sand, clay, and limestone; static water level was at 12 m; and depth to bedrock was at 28 m. During Site reconnaissance, both water wells described above were found. There is one domestic well found near the residence. The other domestic well found near the maintenance shed is used for turf irrigation.	ERIS Report and Site observations
Water Wells on the Neighbouring Properties (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling rate, use)	Forty-five water wells were reported in the Phase One Study Area. The depths range from 6 m to 85 m and the general stratigraphy of the wells was clay and sand with limestone. Depth of static water level ranged from 4 m to 52 m and depth to bedrock ranged from 21.3 m to 74.6 m until end of hole. Of those forty-five wells, thirty-seven wells are for domestic use, one is for livestock use, one is for public use, three are decommissioned wells, one is a recharge well and one well record did not have a description of stratigraphy or use.	ERIS Report

4.4 Site Operating Records

At the time of the site visit, the Phase One Property was developed as a golf course with a maintenance shed and a residence was present on the property, away from the golf course. The outbuilding located south of the residence was no longer present with a remnant floor slab. No Site operating records were provided to Golder for review.

Topic	Title of the information or document	Information Relevant to the Phase One ESA
Regulatory Permits and Records	Not available	None
Materials Safety Data Sheets (MSDS)	Not available	Not available
Underground utility drawings	Not available	Not available
Inventory of ASTs and USTs	Not available	Not available

Topic	Title of the information or document	Information Relevant to the Phase One ESA
Environmental monitoring data, including data created in response to an order or request of the Ministry	Not available	None
Waste management records, including current and historical waste storage location and waste receiver information maintained by the Ministry	Not available	Not available
Process, production and maintenance documents related to APECs	Not available	Not available
Records of spills and records of discharges of contaminants, including records of spills and records of discharges of contaminants of which notice is required to be given to the Ministry under the Act and records of such spills and discharges required to be kept pursuant to O.Reg. 675/98	Not available	None
Emergency response and contingency plans, including spill prevention and contingency plans prepared pursuant to section 91.1 of the Act, and O.Reg. 224/07	Not available	None
Environmental audit reports	Not available	None
A Site plan of the facility	Not available	None

5.0 INTERVIEWS

Mr. Steve Cavanaugh and Mr. Chad Hurrell (hereinafter referred to as the “Site Representatives”), responded to a detailed environmental questionnaire on April 7, 2021. Mr. Hurrell is the tenant of the residence on the property and Mr. Cavanaugh is the golf course manager. Pursuant to the requirements O.Reg. 153/04, the Site Representatives were interviewed as the “current owner” with knowledge of current Site operations.

Relevant information obtained during the interview and site visit is provided in the Section 6.0.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

Mr. David Panza (Environmental Scientist) of Golder visited the Phase One Property for two hours on April 7, 2021 at 8:00 am. Mr. Panza has a Bachelor of Environmental Management from Lakehead University and an Environmental Technician diploma from Fleming College and one year of consulting experience. The site visit consisted of a walk-around of the developed areas of the Phase One Property along with a cursory inspection of surrounding properties from the Phase One Property and publicly accessible areas. The weather conditions were sunny and the temperature was 10°C. The Phase One Property was developed and used as a golf course with a private residence and a maintenance shed at the time of the site visit.

Photographs of relevant features noted during the site visit are provided in Appendix D.

6.2 Specific Observations at Phase One Property

The specific observations made during the Site visit are presented in the following sections.

Topic	Observations	Source
Structures **Number and Age of Buildings on the Site**	**Residence:** The Site representatives were unsure of the construction date; they had assumed in the 1960s or 1970s. **Maintenance Shed:** constructed in 2011 **Outbuilding:** The building is no longer present, but the remnant floor slab remains. The date of construction or demolition are unknown.	Site observations and Site Representatives
General Descriptions of Each Building (including improvements	**Residence:** The residence was previously used as the clubhouse when the golf course was constructed in 1977. It is currently being used as a residence and has had no major renovations according to the Site Representatives. The roof was updated in 2018. **Maintenance Shed:** The maintenance shed houses pump equipment which powers the irrigation system. The pump house is a single storey, single room structure with no basement. **Outbuilding:** The building is no longer present, but the remnant floor slab remains.	Site observations and Site Representatives
Building Areas	**Residence:** approximately 418 square metres (m^2) [4500 square feet (ft^2)] **Maintenance Shed:** approximately 150 m^2 **Outbuilding:** The building is no longer present, but remnant floor slab is approximately 50 m^2.	Site observations and Site Representatives

Topic	Observations	Source
Number of Floors (include all levels, whether above or below ground)	**Residence:** Two **Maintenance Shed:** One **Outbuilding:** None	Site observations
Number, Age, and Depth of Levels Below Ground Level	No below ground levels were present at either building.	Site observations
Number and Details of all Aboveground Storage Tanks ("ASTs")	One AST was found on the west side of the residence with an unknown capacity. The AST was reported to be empty. It appeared to still be connected to the residence. The Site representatives reported that it has not been used in 20 years. No staining or odour was observed in the vicinity of this AST.	Site observations and Site Representatives
Number and Details of all Underground Storage Tanks ("USTs")	No USTs were observed nor reported by the Site Representatives.	Site observations and Site Representatives
Underground Utilities Potable and Non-Potable Water Sources	There is one domestic well found near the residence which is used for domestic use. The other domestic well found near the shed is used for turf irrigation.	Site Representatives
Utility Lines Present (i.e. Electrical, Natural Gas, other)	No utility drawings are available for the SE Site. It was reported that the residence and shed were supplied with electricity from the municipal grid.	Site Representatives
Sanitary/Process Wastewater Receptor	Sanitary water is inferred to be managed through a Septic System.	Site observations and Site Representatives
Sanitary Sewer Connection	Not applicable.	Site observations, Site representatives
Septic Systems	None observed. Inferred to be present at the residence on Site.	Site observations, Site representatives
Storm Water Flow	There are three unnamed ponds and Black drain ditch that flows south.	Site observations
Storm Sewer Connection	No storm sewer connection is available at the Site.	Site observations, Site representatives

Topic	Observations	Source
Interior of Structures **Entry and Exit Points for Site Buildings**	**Residence:** The building was accessed through the main door in the north face of the building. **Maintenance Shed:** The building was accessed through the door in the north face of the building. **Outbuilding:** None. The building is no longer present, but the floor slab remains.	Site observations
Existing and Former Heating System(s) (include fuel type / source)	**Residence:** A natural gas furnace was used as a heating system for the residence. There was an AST found on the west side of the residence. It was still connected to the residence but has not been used in over 20 years. It can be assumed this was used for storing heating oil. **Maintenance Shed:** There was no evidence fuel oil was used to heat the maintenance shed. **Outbuilding:** None. The building is no longer present, but the floor slab remains.	Site observations, Site representatives
Existing and Former Cooling System(s) (include fuel type / source)	**Residence:** There was no cooling system reported or observed for the residence. **Maintenance Shed:** There was no cooling system observed or reported for the maintenance shed. **Outbuilding:** None. The building is no longer present, but the floor slab remains.	Site observations, Site representatives
Drains, Pits, and Sumps (include current use, if any, and former use)	The Site Representatives reported a sump pump to be present at the residence. It was reported along the driveway, approximately 2 to 3 m from the residence. It was unknown when it was constructed but is currently used for directing the produced water to the yard area.	Site observations, Site representatives
Unidentified Substances	None identified.	Site observations
Floor Stains or Corrosion Located near a Potential Discharge Location	None identified.	Site observations
Miscellaneous Exterior **Location of any Current and Former Wells**	Two water wells were reported by the Site Representatives at the residence and maintenance shed, respectively. One is currently used by the tenants of the home for domestic use and the other is used for watering the grasses.	Site observations, Site representatives

Topic	Observations	Source
Ground Cover (i.e. grass, gravel, soil, or pavement, etc.)	The majority of the Phase One Property was covered by greens, fairways, and associated hazard features for a nine-hole golf course. There are three ponds on the SE Site; one is used as a source of irrigation water. There are two paved driveways on the Phase One Property. One leads to the residence and the second is a pathway for golf carts that connects the Phase One Property to the remainder of the golf course that is located north of Wellington Road 19 (off Site parcel to the northwest). This paved pathway goes underneath Wellington Road 19.	Site observations
Current or Former Railway Lines or Spurs	The Elora Cataract Trailway is found south of the SE Site. This was originally the Credit Valley Railway line which was leased to Canadian National Railway. It operated from the 1880s to 1988, when it was abandoned. It is currently a recreational rail trail under the Grand River Conservation Authority.	Site observations, Site Representatives, Grand River Conservation Authority and Trailway website
Presence of Stained Soil, Vegetation, or Pavement	None observed.	Site observations
Presence of Stressed Vegetation	None observed.	Site observations
Areas Where Fill and/or Debris Materials Appear to Have Been Placed	The Site Representatives was not aware on fill being used at the Phase One Property.	Site representatives

Topic	Observations	Source
Potentially Contaminating Activity	Pesticides and fertilizers for application on the golf course were not stored on the Phase One Property but were used on the SE Site for maintenance. Granular fertilizers were used on fairways 2 to 3 times per year, while liquid fertilizers were used every six weeks. Pesticides which included fungicides and herbicides were used as part of maintenance on the SE Site. Fungicides were sprayed on the greens every 6 weeks, while herbicides are used once a year along fairways and wherever weeds are prominent.	Site observations, Site representatives
Unidentified Substances	None identified.	Site observations

6.2.1 Enhanced Investigation Property

The SE Site is not considered to be an enhanced investigation property; however, the investigation was conducted in a manner consistent with the requirements for enhanced investigation properties as described in subsection 13(3) of O.Reg. 153/04. Relevant information is reported in the following table:

Topic	Observations	Source
Operations at the property, including processing or manufacturing	The Phase One Property is used solely as a golf course and a residence. No processing or manufacturing processes were observed or reported.	Site observations and interview
Hazardous materials used or stored at the Phase one property	None observed or reported.	Site observations and interview
Products manufactured at the Phase one property;	None observed or reported.	Site observations and interview
By-products and wastes at the Phase one property	None observed or reported.	Site observations and interview
Raw materials handling and storage locations at the Phase one property	None observed or reported.	Site observations and interview

Topic	Observations	Source
Location and contents of drums, totes and bins at the Phase one property	Two empty waste drums were observed near the residence on the southern portion of the Site. The SE Site representatives had commented these drums were placed there by staff for recreational target practice.	Site observations and interview
The location, installation date, source of incoming liquid and effluent discharge location for all oil-water separators	None observed or reported.	Site observations and interview
All vehicle and equipment maintenance areas, including the locations of maintenance, fluid storage, and waste storage areas	None observed or reported.	Site observations and interview
Details of all spills including the dates, locations, materials involved, and volumes of material spilled;	None observed or reported.	Site observations and interview
Details of liquid discharge points such as water and French drains, including their locations	None observed or reported.	Site observations and interview
Details of all hydraulic lift equipment at the property, including elevators, in-ground hoists and loading docks	None observed or reported.	Site observations and interview

6.3 Surrounding Land Use

During the Site visit, a visual reconnaissance of the outdoor operations in the Phase One Study Area was carried out from the SE Site and publicly accessible areas.

The surrounding properties included commercial, residential and agricultural land uses, as illustrated in Figure 2.

North (upgradient): Residence and intersection of 3 Line and Wellington Road 19.

East (cross-gradient): 3rd Line, Residential dwellings and Belwood Lake.

West (cross gradient): Wellington Road 19, Fergus Golf course (northwest parcel, off-Site of the Phase One Property) which includes structures like a club house, maintenance shed which stores fertilizers and pesticides, golf associated hazards and fuel aboveground storage tanks.

South (downgradient): Agricultural fields with a residence, 2nd Line Road and the Elora Cataract Trailway.

6.4 Written Description of Investigation

At the time of the Site reconnaissance, conducted on April 7, 2021, the Phase One Property consisted of approximately 40-hectares of land currently occupied by grass fields, a residential house, maintenance shed and golf course features. The surrounding properties within the Phase One Study Area included residential and agricultural land uses.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Current and Past Uses

The following summarizes the current and past uses of the Phase One Property:

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Lot 9				
Prior to March 8, 1825	Crown	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
March 8, 1825 to December 5, 1853	Rebecca Forrester	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
December 5, 1853 to October 9, 1873	Thomas Street	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
October 9, 1873 to November 7, 1945	Alexander Mitchell, later known as Robert Black	Undeveloped	Agricultural or other use	The aerial photograph from 1930 indicates that the Site comprised primarily of agricultural fields.
November 7, 1945 to May 19, 1948	James Black and John Black	Undeveloped	Agricultural or other use	The aerial photograph from 1930 indicates that the SE Site comprised primarily of agricultural fields.
May 19, 1948 to November 1, 1973	James Black	Undeveloped	Agricultural or other use	The aerial photographs from 1958 and 1964 indicates that the SE Site comprised primarily of agricultural fields.
November 1, 1973 to May 1, 1974	Lorne Brett	Undeveloped	Agricultural or other use	The aerial photographs from 1958 and 1964 indicates that the SE Site comprised primarily of agricultural fields.
May 1, 1974 to November 21, 1989	Tini Bouwman	Developed	Commercial	The aerial photograph from 1980 indicates that the SE Site began to be developed with a structure on the southwest portion of the Site.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Lot 9, Part 3, 60R-1207				
October 9, 1873 to February 13, 1942	Alexander Mitchell, later known as Robert Black	Undeveloped	Agricultural or other use	The aerial photograph from 1930 indicates that the SE Site comprised primarily of agricultural fields.
February 13, 1942 to April 21, 1976	Grand River Conservation Authority	Undeveloped	Agricultural or other use	The aerial photographs from 1958 and 1964 indicates that the SE Site comprised primarily of agricultural fields.
October 18, 1974 to September 24, 1976	Tini Bouwman	Undeveloped	Agricultural or other use	The aerial photograph from 1976 indicates that the SE Site comprised primarily of agricultural fields.
April 21, 1976 to September 24, 1976	Morley McIlwraith and Norma McIlwraith	Undeveloped	Agricultural or other use	The aerial photograph from 1976 indicates that the AW Site comprised primarily of agricultural fields.
September 24, 1976 to June 22, 1977	Morley McIlwraith, Norma McIlwraith, Edward Miller and William Dobbie	Undeveloped	Agricultural or other use	The aerial photograph from 1976 indicates that the SE Site comprised primarily of agricultural fields.
June 22, 1977 to July 31, 1979	William Dobbie	Undeveloped	Agricultural or other use	The aerial photograph from 1976 indicates that the SE Site comprised primarily of agricultural fields.
July 31, 1979	Margaret Miller	Undeveloped	Agricultural or other use	The aerial photograph from 1976 indicates that the SE Site comprised primarily of agricultural fields.
July 31, 1979	Norma McIlwraith, Kenneth McIlwraith, Margaret Miller and Edward Miller	Undeveloped	Agricultural or other use	The aerial photograph from 1976 indicates that the SE Site comprised primarily of agricultural fields.
July 31, 1979 to April 30, 1990	380107 Ontario Limited	Developed	Commercial	The aerial photograph from 1980 and 1990 indicate development of the SE Site with structures appearing on the southwest portion of the Site. There appeared to be a bunker on the eastern corner of the Site.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans, Etc.
Lot 10				
March 8, 1825 to December 5, 1853	Rebecca Forrester	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
December 5, 1853 to January 11, 1858	Thomas Street	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
January 11, 1858 to October 9, 1883	William Williamson	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
October 9, 1883 April 14, 1885	Agnes Rideout	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
April 14, 1885 to November 22, 1901	Robert Mitchell	Undeveloped	Agricultural or other use	No aerial photograph coverage available for prior to 1930
November 22, 1901 to November 9, 1945	Robert Black	Undeveloped	Agricultural or other use	The aerial photograph from 1930 indicates that the SE Site comprised primarily of agricultural fields.
November 9, 1945 to March 19, 1948	John N. Black and James Black	Undeveloped	Agricultural or other use	The aerial photograph from 1930 indicates that the SE Site comprised primarily of agricultural fields.
May 19, 1948 to November 1, 1973	James Black	Undeveloped	Agricultural or other use	The aerial photograph from 1958 indicates that the SE Site comprised primarily of agricultural fields.
November 1, 1973 to May 1, 1974	Lorne Brett	Undeveloped	Agricultural or other use	The aerial photograph from 1976 indicates that the SE Site comprised primarily of agricultural fields.
May 1, 1974 to November 21, 1989	Tini Bouwman	Developed	Commercial	The aerial photograph from 1980 and 1990 indicate development of the SE Site with structures appearing on the southwest. There appeared to be a bunker on the eastern corner of the SE Site.
All parcels				
November 21, 1989 to April 30, 1990	380107 Ontario Limited	Developed	Commercial	The aerial photograph from 1980 and 1990 indicate development of the SE Site with structures appearing on the southwest. There appeared to be a bunker on the eastern corner of the SE Site.
Since April 30, 1990	883890 Ontario Limited	Developed	Commercial	

The Phase One Property was previously used for agricultural purposes prior to 1930 to sometime between 1980 and 1990 when the Phase One Property was developed as a golf course. The Phase One Property currently serves as a golf course with a maintenance shed and a residence on the southern portion. According to GolfNorth, the SE Site was built in 1977 and offers nine golf holes. In 2010, Fairview Golf Club (the SE Site) and the property at 8282 Wellington 19 Road (off-Site parcel to the northwest) merged to become Fergus Golf Club (Golf North, 2021).

7.2 Potentially Contaminating Activity

Any potentially contaminating activity ("PCA") on the Phase One Property or in the Phase One Study Area may require the identification of an area of potential environmental concern ("APEC") and trigger the need for a Phase Two ESA to support the filing of a Record of Site Condition, if required. The PCAs identified at the Phase One Property and in the Phase One Study Area are provided in the following table. The PCA locations are presented in Figure 3.

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
Phase One Property	#40 Pesticides (including herbicides, fungicides and anti-fouling agents) Manufacturing, Processing and Bulk Storage and Large-Scale Applications – Fungicides and herbicides are routinely applied to maintain the greens and fairways.	Site observations and Site Representatives	The PCA is located on the Phase One Property and must be identified as an APEC.
	#28 Gasoline and Associated Product Store in Fixed Tanks – An out-of-service heating fuel AST (reportedly empty) was observed on the west facing wall of the residence.	Site observations and Site Representatives	The PCA is located on the Phase One Property and must be identified as an APEC.
Phase One Study Area (excluding the Phase One Property)	#28 Gasoline and Associated Product Store in Fixed Tanks: Aboveground fuel storage tanks are stored on the property adjacent to the west (8282 Wellington Road 19). Number of tanks, location, type of fuel stored and quantities are unknown.	Site Representatives	Based on the cross-gradient location of this PCA to the Site, and the nature of the impacts associated with this PCA which may migrate through groundwater, the presence of this PCA may impact the Phase One Property.
	#40 Pesticides (including herbicides, fungicides and anti-fouling agents) Manufacturing, Processing and Bulk Storage and Large-Scale Applications – Intensive application and storage of pesticides was likely conducted as part of the routine maintenance of the golf course greens and fairways; 80 m adjacent to the west (8282 Wellington Road 19)	Site Observations, Site Representative and 2006 Aerial Photograph	The nature of impacts associated with this PCA typically do not migrate through groundwater and are not anticipated to impact the Phase One Property

Location	Potentially Contaminating Activity	Information Source	Rationale for Potential Contribution of the PCA to an APEC
	#55 Transformer, Manufacturing, Processing and Use – A 10 L non-PCBs transformer oil spill occurred at 8282 County Road 19; 80 m to the west; it was reported that the spill was cleaned.	ERIS SPL	The nature of impacts associated with this PCA typically do not migrate through groundwater and are not anticipated to impact the Phase One Property
	#46 Rail yards, tracks and spurs – A former railway line is found 45 m south of the SE Site. The railway line has been abandoned since 1988 and currently used for recreational purposes under GRCA.	Site Observations and Aerial Photograph 1958	Based on the down-gradient location of this PCA to the SE Site this PCA is not anticipated to impact the Phase One Property

7.3 Areas of Potential Environmental Concern

The APECs identified at the Phase One Property are provided in the following table. The APEC locations are presented in Figure 4.

Area of Potential Environmental Concern[1]	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity[2]	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern[3]	Media Potentially Impacted (Groundwater, soil and/or Sediment)
APEC 1 – Fungicides and herbicides are routinely applied to maintain the greens and fairways.	Site wide	#40 Pesticides (including herbicides, fungicides and anti-fouling agents) Manufacturing, Processing and Bulk Storage and Large-Scale Applications	On-Site	OC pesticides, metals, hydride metals, HWS-B, CN, CrVI, Hg, EC, SAR	Soil
APEC 2 – An out-of-service heating fuel AST (reportedly empty) was observed on the west facing wall of the residence.	South of the SE Site adjacent to residence	#28 Gasoline and Associated Product Store in Fixed Tanks	On-Site	PHC, BTEX	Groundwater and soil

Notes

1 Area of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through, •(a) identification of past or present uses on, in or under the phase one property, and •(b) identification of potentially contaminating activity

2 Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area

3 Contaminants of potential concern specified using the method groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011

4 OC Pesticides – organochlorine pesticides

5 PHC – petroleum hydrocarbons

6 BTEX – benzene, toluene, ethylbenzene and total xylenes

7.4 Conceptual Site Model

The following key features (as required by O.Reg. 153/04) are presented in Figures 1, 2, 3 and 4:

- Existing buildings and structures;
- Water bodies and areas of natural significance located in the Phase One Study Area;
- Drinking water wells on the Phase One Property;
- Roads (including names) within the Phase One Study Area;
- Uses of properties adjacent to the Phase One Property; and,
- Location of identified PCAs in the Phase One Study Area (including any storage tanks).

The following describes the Phase One ESA CSM based on the information obtained and reviewed as part of this Phase One ESA:

- The Phase One Property consisted of 40-hectares currently occupied by a residential house, maintenance shed and nine holes of a golf course.
- A municipal drain is present (“Black Drain”) that may be considered a water body; however a natural heritage assessment concluded that the municipal drain represented poor fish habitat. Threatened bird species, the Bobolink and the Eastern Meadowlark were identified at the Phase One Property. Three unnamed ponds were found on the Phase One Property. One pond closest to the maintenance shed which first appeared in 1980 when the SE Site was first developed into golf course, is currently used for turf irrigation;
- Potable water in the vicinity of the Phase One Property is supplied by water wells. Two active domestic wells were identified at the Phase One Property, one near the maintenance shed and the other near the residence.
- At the time of the Phase One ESA, the Phase One Property was used as golf course and there was a residence on the southern portion of the SE Site. Historically, the Phase One Property has been used for agricultural or other uses. There are no indications that the Phase One Property was used for an industrial use or any of the following commercial uses: vehicle garage, bulk liquid dispensing facility, or dry cleaning facility;
- At the time of the Phase One ESA, the neighbouring properties within the Phase One Study Area consisted of commercial, residential, and agricultural land uses. There is no indications that neighbouring properties in the Phase One Study Area were used for an industrial use or any of the following commercial uses: vehicle garage, bulk liquid dispensing facility, or dry cleaning facility;
- The following relevant PCAs and contaminants of concern were identified on the Phase One Property or in the Phase One Study Area:

Area of Potential Environmental Concern1	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity2	Location of PCA (on-Site or off-Site)	Contaminants of Potential Concern3	Media Potentially Impacted (Groundwater, soil and/or Sediment)
APEC 1 – Fungicides and herbicides are routinely applied to maintain the greens and fairways.	Site wide	#40 Pesticides (including herbicides, fungicides and anti-fouling agents) Manufacturing, Processing and Bulk Storage and Large-Scale Applications	On-Site	OC pesticides, metals, hydride metals, HWS-B, CN, CrVI, Hg, EC, SAR	Soil
APEC 2 – An out-of-service heating fuel AST (reportedly empty) was observed on the west facing wall of the residence.	South of SE Site adjacent to residence	#28 Gasoline and Associated Product Store in Fixed Tanks	On-Site	PHC, BTEX	Groundwater and soil

- The Phase One Property includes only private services and it is assumed the residence on the property has a septic tank. Groundwater from the building foundation is collected in a sump located 2 to 3 metres from the residence along the driveway. Based on the PCAs identified, underground utilities are unlikely to provide a migration pathway for contaminants of concern in groundwater.
- The surficial geology in the vicinity of the Phase One Property is expected to consist of sand and buff or pink sandy till from the lacustrine, kame and outwash unit and Wentworth till. The reported surficial geology at the Phase One Property consists of deposits of sand to silty sand or cohesive deposits of silty clay to clayey silt with sand to silt with sand underlain by silty clay to clayey silt till.
- Regional groundwater flow is expected to flow southerly with discharge to the Grand River, located approximately 2.67 km south from the Phase One Property. Based on the SE Site topography and surface water drainage, the inferred direction of shallow groundwater flow is expected to flow in an easterly direction towards the Grand River (Belwood Lake). Buried utilities and other underground structures can affect local (shallow) groundwater flow conditions. Inferred groundwater flow directions are subject to confirmation with field measurements.

Responses to Golder's requests for information from the MECP were not available at the time of writing this report.

There were no material deviations to the Phase One ESA requirements set out in O.Reg. 153/04 that would cause uncertainty or absence of information that would affect the validity of the Phase One Conceptual Site Model or the findings of this Phase One ESA.

8.0 CONCLUSIONS

8.1 Need for a Phase Two ESA

Based on the information obtained and reviewed as part of this Phase One ESA, two APECs were identified at the Phase One Property. Accordingly, a Phase Two ESA is required to support the submission of an RSC, if an RSC is required.

9.0 REFERENCES

The following documents and/or data were used in this report:

Source	Date
Aerial Photographs – obtained by ERIS on behalf of Golder.	1930, 1958, 1964, 1976, 1980, 1990
Area of Natural & Scientific Interest (ANSI), Ontario Ministry of Natural Resources – obtained by ERIS	March 15, 2021
Bedrock Geology of Ontario, Ontario Geological Survey 2011 – obtained by ERIS	March 15, 2021
Environmental Risk Information Services	March 15, 2021
GolfNorth Fergus – reviewed online	April 20, 2021
Google Earth Images – reviewed online	2006 and 2016
Grand River – Drinking Water Source Protection	March 28, 2021
Grand River Conservation Authority Web GIS Application – reviewed online	March 23, 2021
Ministry of Natural Resources Natural Heritage Information Centre on-line database – reviewed online	March 23, 2021
Ontario Base Mapping (“OBM”), Ontario Ministry of Natural Resources – obtained by ERIS	March 15, 2021
Physiography of Southern Ontario, Ontario Geological Survey – obtained by ERIS	March 15, 2021
Soil Survey Complex (ON Soils), Ontario Ministry of Natural Resources – obtained by ERIS	March 15, 2021
The Surficial Geology of Southern Ontario, Ontario Geological Survey 2010 – obtained by ERIS	March 15, 2021
Trailway – Elora Cataract Railway – reviewed online	April 22, 2021
2022 Geotechnical Report prepared by Golder Associates Ltd.	January 10, 2022
2022 Hydrogeological Report prepared by Golder Associates Ltd.	February 2022

10.0 LIMITATIONS AND USE OF REPORT

This report (the “Report”) was prepared for the exclusive use of 883890 Ontario Limited for the express purpose of providing advice with respect to the environmental condition of the Site. In evaluating the Site, Golder Associates Ltd. (“Golder”) has relied in good faith on information provided by others as noted in the Report. We have assumed that the information provided is factual and accurate. We accept no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or incomplete or inaccurate historical information from the various agencies. Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third party. If a third party requires reliance on this Report, prior written authorization from Golder is required. Golder disclaims any responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The scope and the period of Golder’s assessment are described in this Report, and are subject to restrictions, assumptions and limitations. Except as noted herein, the work was conducted in accordance with the scope of work and terms and conditions within Golder’s proposal. Distances noted in this report were determined using mapping data of variable accuracy and should therefore be considered approximate. Golder did not perform a complete assessment of all possible conditions or circumstances that may exist at the site referenced in the Report. Conditions may therefore exist which were not detected given the limited nature of the assessment Golder was retained to undertake with respect to the Site and additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. Golder’s opinions are based upon information available to Golder as of the date of the Site visit. It is understood that the services provided for in the scope of work allowed Golder to form no more than an opinion of the actual conditions at the Site at the time of the site visit and cannot be used to assess the effect of any subsequent changes in any laws or regulations and the environmental quality of the Site or its surroundings. Asbestos and mould surveys were not performed. Consult with a natural heritage specialist to confirm whether an area of natural significance may be present. If a service is not expressly indicated, do not assume it has been provided.

The results of an assessment of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices.

11.0 CLOSURE

The Qualified Person confirms that the Phase One ESA was conducted and/or supervised by the Qualified Person and that all findings and conclusions of the Phase One ESA are included in the report.

We trust that the information presented in this report meets your current requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

Signature Page

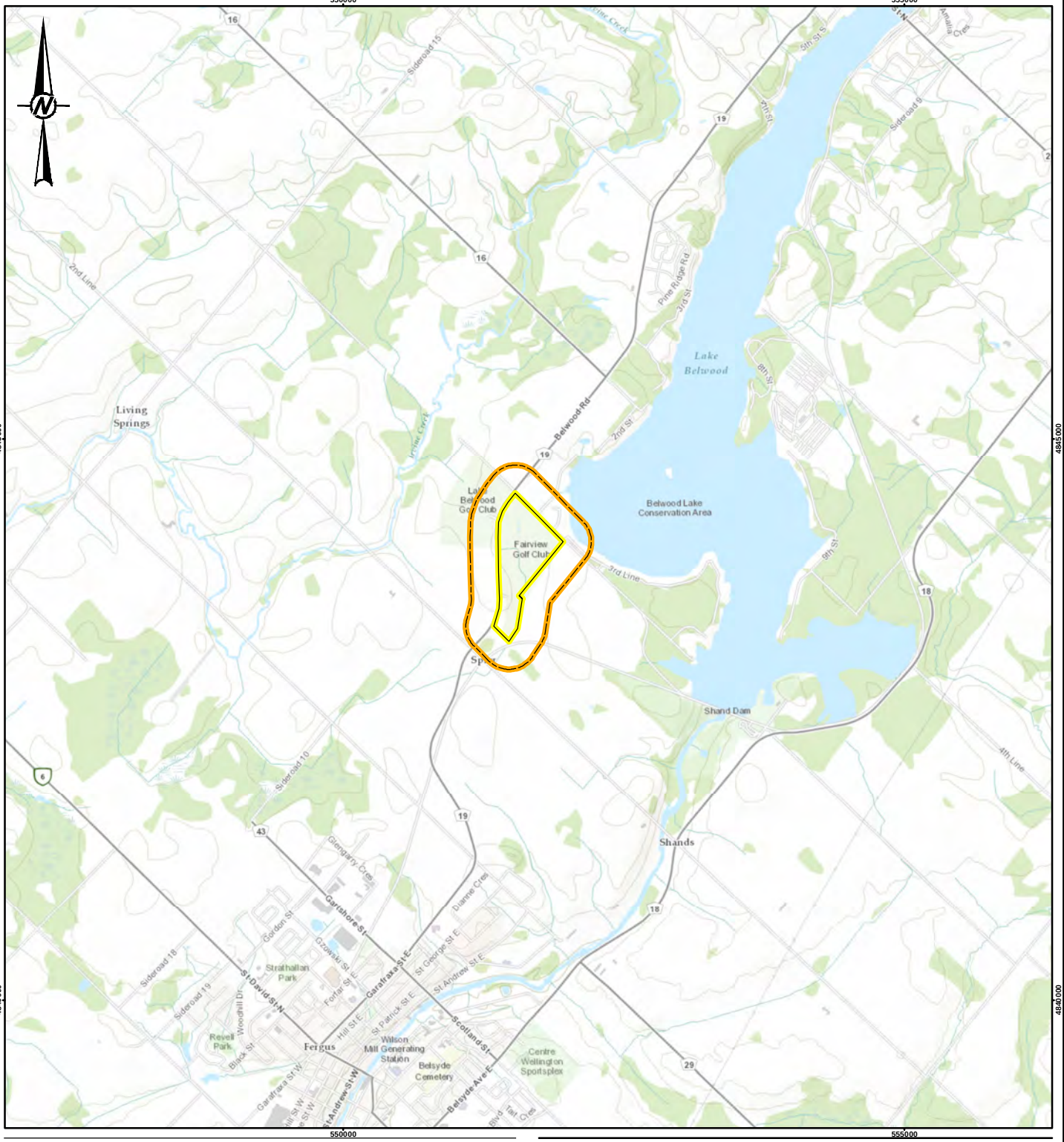
Yours truly,

Golder Associates Ltd.

Caitlin Oag, BSc (Hons)
Environmental Scientist

Eric Hood, PhD, PEng
Associate, Senior Engineer

LLB/CO/EH/sv



LEGEND

- PHASE ONE PROPERTY BOUNDARY
- PHASE ONE STUDY AREA (250 M RADIUS)

0 1,000 2,000

1:50,000 METRES

NOTE(S)

REFERENCE(S)

1. BASE MAP - SOURCES: ESRI, HERE, GARMIN, INTERMAP, INCREMENT P CORP., GEBCO, USGS, FAO, NPS, NRCAN, GEOBASE, IGN, KADASTER NL, ORDNANCE SURVEY, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
2. PROJECTION: TRANSVERSE MERCATOR NAD 1983 UTM ZONE 17

CLIENT
883890 ONTARIO LIMITED C/O
FERGUS DEVELOPMENT INC.

PROJECT
8243 WELLINGTON ROAD 19, FERGUS, ONTARIO

TITLE
SITE LOCATION

CONSULTANT
GOLDER
MEMBER OF WSP

YYYY-MM-DD	2022-02-04
DESIGNED	STB
PREPARED	STB
REVIEWED	LB
APPROVED	EH

PROJECT NO.	CONTROL	REV.	FIGURE
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25mm

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LEGEND

- WELL RECORD
- INFERRED GROUNDWATER FLOW DIRECTION
- UNDESIGNATED WETLAND
- WATERCOURSE
- PHASE ONE STUDY AREA (250 M RADIUS)
- PHASE ONE PROPERTY BOUNDARY
- WATER BODY

FEATURE	DESCRIPTION
1	RESIDENCE
2	MAINTENANCE SHED
A	RESIDENCE WITH FARM
B	GOLF COURSE (8282 WELLINGTON ROAD 19)
C	RESIDENCE
D	RESIDENCES
E	RESIDENCE WITH FARM
F	RESIDENCE

0 200 400

1:6,000 METRES

NOTE(S)

GRCA = GRAND RIVER CONSERVATION AUTHORITY

REFERENCE(S)

1. BASE DATA - MNRF, MECP 2021
2. CONCEPTUAL PLAN - PROVIDED BY CLIENT, MARCH 2021 (CP21021B.DWG)
3. BASE IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRID, IGN, AND THE GIS USER COMMUNITY
4. PROJECTION: TRANSVERSE MERCATOR NAD 1983 UTM ZONE 17

CLIENT

883890 ONTARIO LIMITED C/O
FERGUS DEVELOPMENT INC.

PROJECT

8243 WELLINGTON ROAD 19, FERGUS, ONTARIO

TITLE

PHASE ONE PROPERTY AND PHASE ONE STUDY AREA

CONSULTANT

GOLDER
MEMBER OF WSP

YYYY-MM-DD	2022-02-04
DESIGNED	STB
PREPARED	STB
REVIEWED	LB
APPROVED	EH

PROJECT NO.	CONTROL	REV.	FIGURE
21456909	0004	A	2

LEGEND

- INFERRED GROUNDWATER FLOW DIRECTION
- UNDESIGNATED WETLAND
- WATERCOURSE
- PHASE ONE STUDY AREA (250 M RADIUS)
- PHASE ONE PROPERTY BOUNDARY
- WATER BODY

PCA	POTENTIALLY CONTAMINATING ACTIVITY
1	#40 PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING AND BULK STORAGE AND LARGE-SCALE APPLICATIONS – FUNGICIDES AND HERBICIDES ARE ROUTINELY APPLIED TO MAINTAIN THE GREENS AND FAIRWAYS.
2	#28 GASOLINE AND ASSOCIATED PRODUCT STORE IN FIXED TANKS – AN OUT-OF-SERVICE HEATING FUEL AST (REPORTEDLY EMPTY) WAS OBSERVED ON THE WEST FACING WALL OF THE RESIDENCE.
3	#28 GASOLINE AND ASSOCIATED PRODUCT STORE IN FIXED TANKS: ABOVEGROUND FUEL STORAGE TANKS ARE STORED ON THE PROPERTY ADJACENT TO THE WEST (8282 WELLINGTON ROAD 19), NUMBER OF TANKS, LOCATION, TYPE OF FUEL STORED AND QUANTITIES ARE UNKNOWN.
4	#40 PESTICIDES (INCLUDING HERBICIDES, FUNGICIDES AND ANTI-FOULING AGENTS) MANUFACTURING, PROCESSING AND BULK STORAGE AND LARGE-SCALE APPLICATIONS – INTENSIVE APPLICATION AND STORAGE OF PESTICIDES WAS LIKELY CONDUCTED AS PART OF THE ROUTINE MAINTENANCE OF THE GOLF COURSE GREENS AND FAIRWAYS (8282 WELLINGTON ROAD 19, ADJACENT TO THE NORTH).
5	#55 TRANSFORMER, MANUFACTURING, PROCESSING AND USE – A 10 L NON-PCBS TRANSFORMER OIL SPILL OCCURRED AT 8282 COUNTY ROAD 19, 80 M TO THE WEST, IT WAS REPORTED THAT THE SPILL WAS CLEANED.
6	#46 RAIL YARDS, TRACKS AND SPURS – A FORMER RAILWAY LINE IS FOUND 45 M SOUTH OF THE SITE. THE RAILWAY LINE HAS BEEN ABANDONED SINCE 1988 AND CURRENTLY USED FOR RECREATIONAL PURPOSES UNDER GRCA.

0 200 400

1:6,000 METRES

NOTE(S)

REFERENCE(S)

1. BASE DATA - MNRF, MECP 2021
2. CONCEPTUAL PLAN - PROVIDED BY CLIENT, MARCH 2021 (CP21021B.DWG)
3. BASE IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRID, IGN, AND THE GIS USER COMMUNITY
4. PROJECTION: TRANSVERSE MERCATOR NAD 1983 UTM ZONE 17

CLIENT

883890 ONTARIO LIMITED C/O
FERGUS DEVELOPMENT INC.

PROJECT

8243 WELLINGTON ROAD 19, FERGUS, ONTARIO

TITLE

POTENTIALLY CONTAMINATING ACTIVITIES

CONSULTANT

GOLDER
MEMBER OF WSP

YYYY-MM-DD	2022-02-04
DESIGNED	STB
PREPARED	STB
REVIEWED	LB
APPROVED	EH

PROJECT NO.	CONTROL	REV.	FIGURE
21456909	0004	A	3

LEGEND

- UNDESIGNATED WETLAND
- PHASE ONE PROPERTY BOUNDARY
- AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

APEC	AREA OF POTENTIAL ENVIRONMENTAL CONCERN
1	APEC 1- FUNGICIDES AND HERBICIDES ARE ROUTINELY APPLIED TO MAINTAIN THE GREENS AND FAIRWAYS.
2	APEC 2 - AN OUT-OF-SERVICE HEATING FUEL AST (REPORTEDLY EMPTY) WAS OBSERVED ON THE WEST FACING WALL OF THE RESIDENCE.

0 100 200

1:4,000 METRES

NOTE(S)
1. THE LOCATIONS OF POTENTIALLY CONTAMINATING ACTIVITIES ARE PROVIDED IN FIGURE 3.

REFERENCE(S)
1. BASE DATA - MNRF, MECP 2021
2. CONCEPTUAL PLAN - PROVIDED BY CLIENT, MARCH 2021 (CP21021B.DWG)
3. BASE IMAGERY - SOURCE: ESRI, MAXAR, GEOEYE, EARTHSTAR GEOGRAPHICS, CNES/AIRBUS DS, USDA, USGS, AEROGRID, IGN, AND THE GIS USER COMMUNITY
4. PROJECTION: TRANSVERSE MERCATOR NAD 1983 UTM ZONE 17

CLIENT
883890 ONTARIO LIMITED C/O
FERGUS DEVELOPMENT INC.

PROJECT
8243 WELLINGTON ROAD 19, FERGUS, ONTARIO

TITLE
AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

CONSULTANT
GOLDER
MEMBER OF WSP

YYYY-MM-DD	2022-02-04
DESIGNED	STB
PREPARED	STB
REVIEWED	LB
APPROVED	EH

PROJECT NO.	CONTROL	REV.	FIGURE
201456909	0004	A	4

APPENDIX A

Plan of Survey

PLAN OF SURVEY OF PART OF LOTS 9 AND 10, CONCESSION 3

(GEOGRAPHIC TOWNSHIP OF WEST GARAFRAXA)

TOWNSHIP OF CENTRE WELLINGTON
COUNTY OF WELLINGTON

SCALE 1:1500

10m 0m 10m 20m 30m 40m 50m 60m 70m 80m 90m 100 metres

R-PE SURVEYING LTD., O.L.S.

METRIC

DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.

NOTES

■	DENOTES MONUMENT FOUND
SIB	DENOTES STANDARD IRON BAR
SSIB	DENOTES SHORT STANDARD IRON BAR
IB	DENOTES IRON BAR
P.I.N.	DENOTES PROPERTY IDENTIFIER NUMBER
PL1	DENOTES PLAN 60R-1207
PL2	DENOTES PLAN 61R-11354
PL3	DENOTES PLAN 60R-1334
PL4	DENOTES PLAN 60R-2720
PL5	DENOTES EXPROPRIATION PLAN DN664
CALC	DENOTES CALCULATE
(375)	DENOTES BLACK, SHOEMAKER, ROBINSON & DONALDSON, O.L.S.
(WT)	DENOTES WITNESS
(NI)	DENOTES NOT IDENTIFIED
ORP	DENOTES OBSERVED REFERENCE POINT

BEARING NOTE

BEARINGS ARE GRID, UTM, NAD83 (CSRS:CBN6:2010.0), DERIVED FROM OBSERVED REFERENCE POINTS Ⓐ AND Ⓑ USING REAL TIME CANNET NETWORK STATION 20120150061 (NORTHING 4821156.748, EASTING 556066.788).

COORDINATES ARE UTM, NAD83 (CSRS:CBNV:2010.0), TO URBAN ACCURACY PER SEC. 14 (2) OF O.REG. 216/10, AND CANNOT, IN THEMSELVES, BE USED TO RE-ESTABLISH CORNERS OR BOUNDARIES SHOWN ON THIS PLAN.

POINT	NORTHING	EASTING
ORP Ⓐ	4844444.03	551470.01
ORP Ⓑ	4843610.50	551572.11

DISTANCES ARE GROUND AND CAN BE CONVERTED TO GRID BY MULTIPLYING BY THE COMBINED SCALE FACTOR OF 0.999571.

SURVEYOR'S CERTIFICATE

I CERTIFY THAT:

1. THIS SURVEY AND PLAN ARE CORRECT AND IN ACCORDANCE WITH THE SURVEYS ACT, THE SURVEYORS ACT AND THE LAND TITLES ACT AND THE REGULATIONS MADE UNDER THEM.
2. THE SURVEY WAS COMPLETED ON THE 16th DAY OF DECEMBER 2021.

DATE DECEMBER 23 2021

C. P. EDWARD
ONTARIO LAND SURVEYOR

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE DECEMBER 23, 2021

C. P. EDWARD O.L.S.

PLAN 61R-

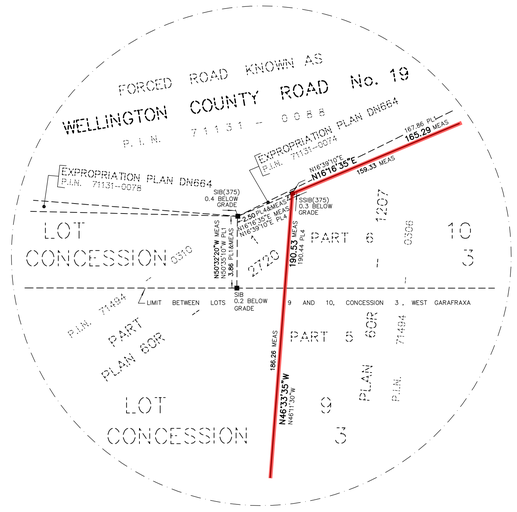
RECEIVED AND DEPOSITED

DATE _____, 2022

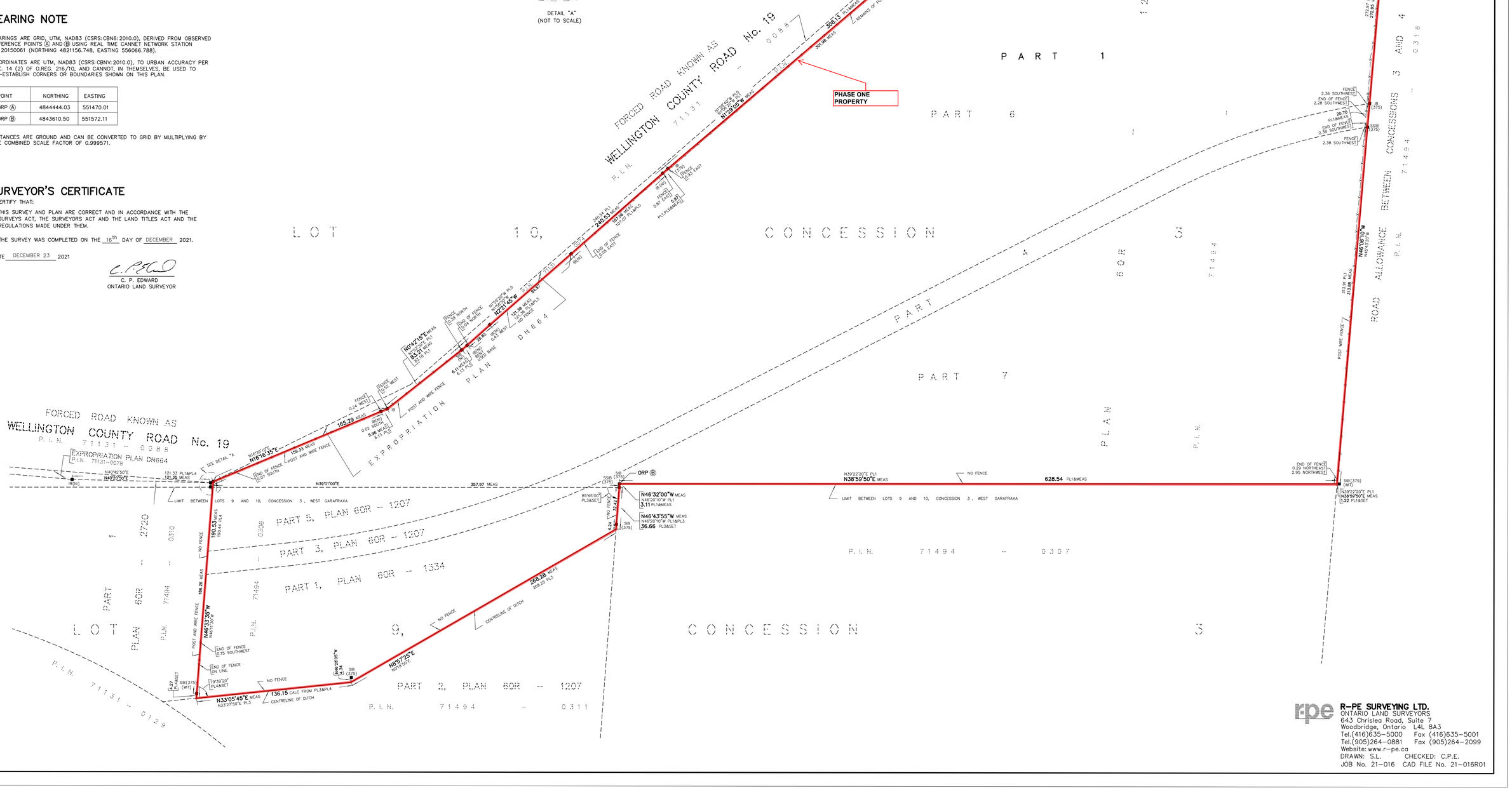
REPRESENTATIVE FOR LAND REGISTRAR FOR THE LAND TITLES DIVISION OF WELLINGTON (No.61)

SCHEDULE

PART	LOT	CONCESSION	P.I.N.
1	PART OF 9 AND 10	3 WEST GARAFRAXA	ALL OF 71494-0306



DETAIL "A"
(NOT TO SCALE)



R-PE SURVEYING LTD.
ONTARIO LAND SURVEYORS
643 Chrisdale Road, Suite 7
Woodbridge, Ontario L4L 8A3
Tel.(416)635-5000 Fax (416)635-5001
Tel.(905)264-0881 Fax (905)264-2099
Website: www.r-pe.ca

DRAWN: S.L. CHECKED: C.P.E.
JOB No. 21-016 CAD FILE No. 21-016R01

APPENDIX B

Regulatory Responses

From:	Public Information Services
To:	Brear, Jaime
Subject:	RE: 21456909 TSSA Database Search
Date:	March 9, 2021 2:52:45 PM
Attachments:	image003.jpg image004.png image005.png image006.png image007.png image008.jpg image009.jpg

---

EXTERNAL EMAIL

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello Jaime,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

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

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

Kind regards,

Sherees

Public Information Agent
Facilities and Business Services
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org
www.tssa.org

From: Brear, Jaime <Jaime_Brear@golder.com>
Sent: March 7, 2021 2:37 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: 21456909 TSSA Database Search

Good afternoon,

May you please perform a TSSA database record search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills or contaminations records for the following locations. We found additional information that lead us to this address:

- 8243 Wellington Road 19, Fergus, Ontario

Thanks,

Jaime Brear (B.A. Hons.)
Environmental Technician

100 Scotia Court, Whitby, Ontario, Canada L1N 8Y6
T: +1 905 723 2727 | **D:** +1 (905) 723-2727 x6612 | **golder.com**
LinkedIn | Facebook | Twitter

Work Safe, Home Safe

APPENDIX C

ERIS Report

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*Fergus ON 21456909* *8243 Wellington Rd 19* *Fergus ON N1M 2R3*
Project No:	*21456909*
Report Type:	*RSC Report - Quote*
Order No:	*21022300307*
Requested by:	*Golder Associates Ltd.*
Date Completed:	*March 11, 2021*

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

Table of Contents

Executive Summary

Property Information:

Project Property:	*Fergus ON 21456909* *8243 Wellington Rd 19 Fergus ON N1M 2R3*
Project No:	*21456909*

Order Information:

Order No:	*21022300307*
Date Requested:	*February 23, 2021*
Requested by:	*Golder Associates Ltd.*
Report Type:	*RSC Report - Quote*

Historical/Products:

Aerial Photographs	*Aerials - National Collection*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Plans*
Topographic Map	*RSC Maps*

Executive Summary: Report Summary

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

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	1	0	1
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	2	49	51
	Total:		3	50	53

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	WWIS		lot 10 con 3 ON ***Well ID:*** 6706408	SW/0.0	-0.01	20
2	PTTW	883890 Ontario Limited	Property of 883890 Ontario Ltd., operating as Fergus Golf Club 8243 County Road 19 Lot 10, Concession 3 Township of Centre Wellington County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON	NNE/0.0	-0.21	23
3	WWIS		lot 10 con 3 ON ***Well ID:*** 6710384	NE/0.0	1.89	23

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
4	WWIS		lot 9 con 3 ON ***Well ID:*** 6709528	SSW/24.7	-0.20	27
5	WWIS		8298 WELLINGTON RD 19 lot 11 con 3 WEST GARAFRAXA ON ***Well ID:*** 7281021	N/27.2	1.93	30
6	WWIS		6557 THIRD LINE WEST GARAFRAXA ON ***Well ID:*** 7281023	NE/27.9	0.19	38
7	WWIS		8298 WELLINGTON RD 19 lot 11 con 3 WEST GARAFRAXA ON ***Well ID:*** 7281022	N/30.2	1.93	45
8	WWIS		lot 10 con 4 ON ***Well ID:*** 6711036	ENE/36.5	-2.44	47
9	WWIS		lot 10 con 4 ON ***Well ID:*** 6711958	NNE/39.0	-1.68	50
10	WWIS		lot 10 con 4 ON ***Well ID:*** 6709484	NNE/53.3	-1.50	54
11	WWIS		lot 10 con 4 ON ***Well ID:*** 6706075	NE/55.5	-0.55	57
12	WWIS		lot 10 con 4 ON ***Well ID:*** 6708187	NNE/57.5	-1.52	60
13	WWIS		6543 THIRD LINE lot 10 con 4 ELORA ON ***Well ID:*** 7317288	ENE/62.8	-4.40	63
14	WWIS		lot 9 con 4 ON ***Well ID:*** 6708208	ENE/68.3	-4.64	65
15	WWIS		lot 9 con 4 ON	ENE/71.8	-5.79	69

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 6711170			
16	WWIS		lot 10 con 4 ON **Well ID:** 6708435	ENE/72.7	-1.12	72
17	SPL	Hydro One Inc.	8282 County Road 19, Fergus Centre Wellington ON	NNW/77.8	2.04	74
18	WWIS		lot 10 con 4 ON **Well ID:** 6705605	NNE/78.0	-0.99	75
19	WWIS		lot 10 con 4 ON **Well ID:** 6706242	NE/90.3	0.48	79
19	WWIS		lot 10 con 4 ON **Well ID:** 6706243	NE/90.3	0.48	81
20	WWIS		lot 9 con 4 ON **Well ID:** 7185591	NE/91.4	0.48	83
21	WWIS		105 FIRST ST BELWOOD ON **Well ID:** 7310362	NE/102.7	0.48	88
22	WWIS		lot 10 con 4 ON **Well ID:** 6705693	NE/104.7	-0.37	90
23	WWIS		lot 11 con 3 ON **Well ID:** 6706528	NW/108.5	2.01	93
24	WWIS		lot 10 con 4 ON **Well ID:** 6705698	NE/125.1	-0.33	96
25	WWIS		lot 10 con 4 ON **Well ID:** 6708893	NE/125.7	-0.89	98
26	WWIS		lot 10 con 4 ON **Well ID:** 6713066	ENE/131.6	-4.12	102
27	WWIS		lot 9 con 4 ON	E/143.4	-6.54	107

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7273582			
28	WWIS		lot 10 con 3 ON ***Well ID:*** 6702914	W/152.5	4.97	114
29	WWIS		lot 9 con 4 ON ***Well ID:*** 6707006	E/155.7	-6.57	117
30	WWIS		lot 10 con 4 ON ***Well ID:*** 6707096	ENE/158.7	-6.97	121
31	WWIS		lot 10 con 4 ON ***Well ID:*** 6713242	NE/168.6	-3.79	125
32	WWIS		lot 10 con 4 ON ***Well ID:*** 6707302	NE/172.0	-3.79	128
33	WWIS		lot 10 con 4 ON ***Well ID:*** 6708835	NE/177.3	-1.94	131
34	WWIS		lot 10 con 4 ON ***Well ID:*** 6706784	NE/195.8	-3.77	136
35	WWIS		lot 10 con 4 ON ***Well ID:*** 6705694	NE/198.1	-2.37	139
36	WWIS		lot 9 con 4 ON ***Well ID:*** 6711924	E/198.2	-3.91	142
37	WWIS		lot 10 con 4 ON ***Well ID:*** 6702935	NE/200.5	-5.59	146
38	WWIS		lot 9 con 4 ON ***Well ID:*** 6709642	E/205.0	-4.47	149
39	WWIS		129 RENNIE BLVD lot 10 con 4 BELWOOD ON ***Well ID:*** 6715076	NE/207.6	-3.77	152
40	WWIS		lot 10 con 4 ON	NE/213.8	-3.38	159

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 6712869			
41	WWIS		lot 9 con 3 ON ***Well ID:*** 1702651	SSE/220.1	0.89	162
42	WWIS		lot 10 con 4 ON ***Well ID:*** 6705695	NE/225.7	-3.41	167
43	WWIS		6528 THIRD LINE lot 9 con 3 FERGUS ON ***Well ID:*** 7179341	E/227.2	1.54	169
44	WWIS		6928 THIRD LINE lot 9 con 3 FERGUS ON ***Well ID:*** 7172623	E/228.5	0.33	171
45	WWIS		lot 9 con 3 ON ***Well ID:*** 6706640	SSW/237.0	-2.11	178
46	WWIS		lot 11 con 3 ON ***Well ID:*** 6702915	NW/237.9	1.99	182
47	WWIS		73 3RD LINE ROAD BELWOOD ON ***Well ID:*** 7294234	E/238.4	-6.48	184
48	WWIS		lot 9 con 4 ON ***Well ID:*** 6706452	E/241.0	-5.21	190
49	WWIS		lot 10 con 4 ON ***Well ID:*** 7170379	NE/250.2	-4.31	193
50	WWIS		lot 9 con 4 ON ***Well ID:*** 6705285	E/258.1	-6.51	198
51	WWIS		lot 9 con 4 ON ***Well ID:*** 7319355	E/264.7	0.18	201
52	WWIS		lot 10 con 4 ON ***Well ID:*** 6702928	NE/297.0	-6.74	207

Executive Summary: Summary By Data Source

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Jan 31, 2020 has found that there are 1 PTTW site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
883890 Ontario Limited	Property of 883890 Ontario Ltd., operating as Fergus Golf Club 8243 County Road 19 Lot 10, Concession 3 Township of Centre Wellington County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON	0.0	2

SPL - Ontario Spills

A search of the SPL database, dated 1988-Mar 2020; Jul 2020 - Aug 2020 has found that there are 1 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Hydro One Inc.	8282 County Road 19, Fergus Centre Wellington ON	77.8	17

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 51 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	lot 10 con 3 ON ***Well ID:*** 6706408	0.0	1
	lot 10 con 3 ON ***Well ID:*** 6710384	0.0	3
	lot 9 con 3 ON ***Well ID:*** 6709528	24.7	4

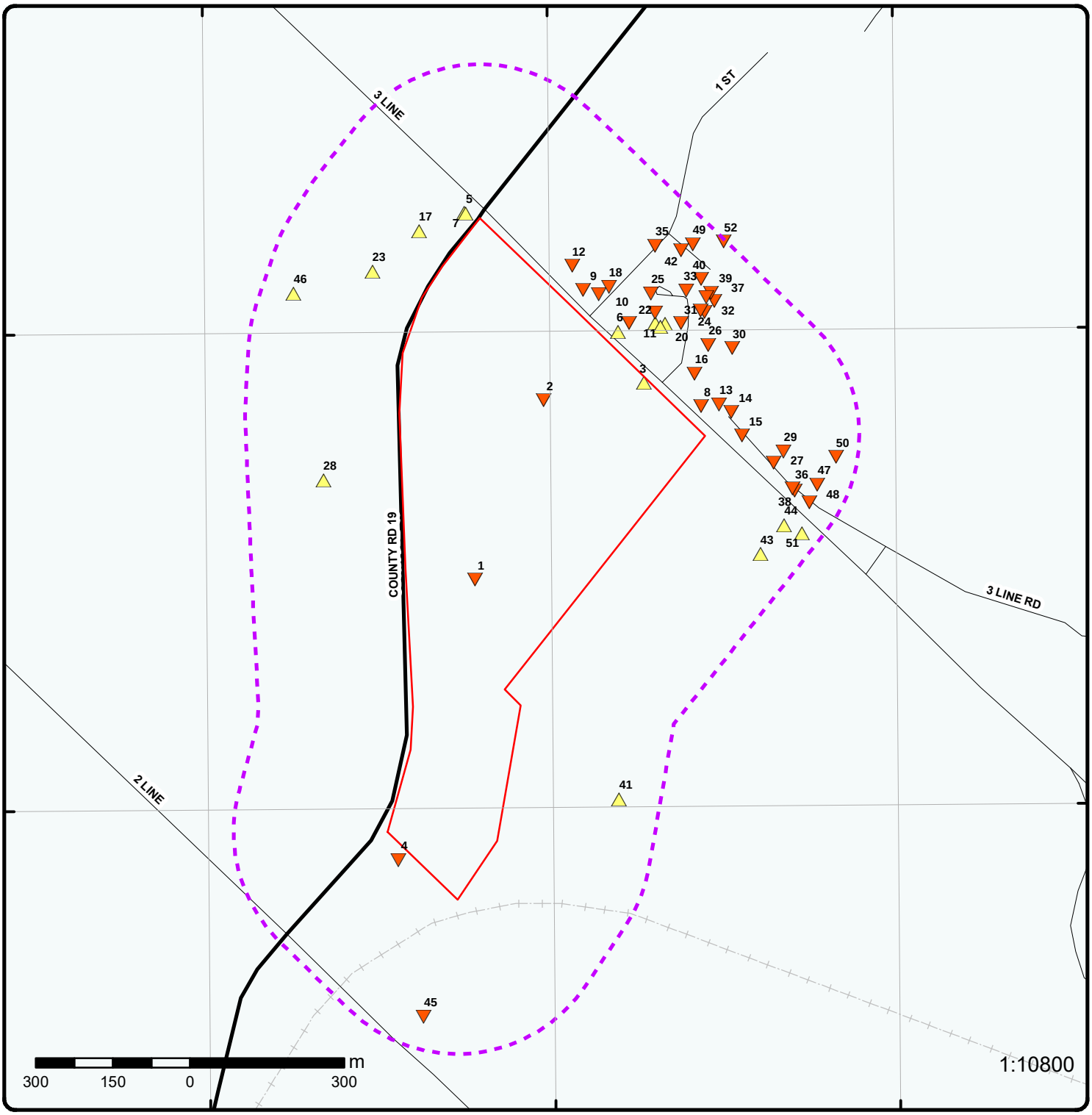
Site	Address	Distance (m)	Map Key
	8298 WELLINGTON RD 19 lot 11 con 3 WEST GARAFRAXA ON ***Well ID:*** 7281021	27.2	5
	6557 THIRD LINE WEST GARAFRAXA ON ***Well ID:*** 7281023	27.9	6
	8298 WELLINGTON RD 19 lot 11 con 3 WEST GARAFRAXA ON ***Well ID:*** 7281022	30.2	7
	lot 10 con 4 ON ***Well ID:*** 6711036	36.5	8
	lot 10 con 4 ON ***Well ID:*** 6711958	39.0	9
	lot 10 con 4 ON ***Well ID:*** 6709484	53.3	10
	lot 10 con 4 ON ***Well ID:*** 6706075	55.5	11
	lot 10 con 4 ON ***Well ID:*** 6708187	57.5	12
	6543 THIRD LINE lot 10 con 4 ELORA ON ***Well ID:*** 7317288	62.8	13
	lot 9 con 4 ON ***Well ID:*** 6708208	68.3	14
	lot 9 con 4 ON ***Well ID:*** 6711170	71.8	15
	lot 10 con 4 ON	72.7	16

Site	Address	Distance (m)	Map Key
	Well ID: 6708435		
	lot 10 con 4 ON ***Well ID:*** 6705605	78.0	18
	lot 10 con 4 ON ***Well ID:*** 6706242	90.3	19
	lot 10 con 4 ON ***Well ID:*** 6706243	90.3	19
	lot 9 con 4 ON ***Well ID:*** 7185591	91.4	20
	105 FIRST ST BELWOOD ON ***Well ID:*** 7310362	102.7	21
	lot 10 con 4 ON ***Well ID:*** 6705693	104.7	22
	lot 11 con 3 ON ***Well ID:*** 6706528	108.5	23
	lot 10 con 4 ON ***Well ID:*** 6705698	125.1	24
	lot 10 con 4 ON ***Well ID:*** 6708893	125.7	25
	lot 10 con 4 ON ***Well ID:*** 6713066	131.6	26
	lot 9 con 4 ON ***Well ID:*** 7273582	143.4	27

Site	Address	Distance (m)	Map Key
	lot 10 con 3 ON ***Well ID:*** 6702914	152.5	28
	lot 9 con 4 ON ***Well ID:*** 6707006	155.7	29
	lot 10 con 4 ON ***Well ID:*** 6707096	158.7	30
	lot 10 con 4 ON ***Well ID:*** 6713242	168.6	31
	lot 10 con 4 ON ***Well ID:*** 6707302	172.0	32
	lot 10 con 4 ON ***Well ID:*** 6708835	177.3	33
	lot 10 con 4 ON ***Well ID:*** 6706784	195.8	34
	lot 10 con 4 ON ***Well ID:*** 6705694	198.1	35
	lot 9 con 4 ON ***Well ID:*** 6711924	198.2	36
	lot 10 con 4 ON ***Well ID:*** 6702935	200.5	37
	lot 9 con 4 ON ***Well ID:*** 6709642	205.0	38
	129 RENNIE BLVD lot 10 con 4 BELWOOD ON	207.6	39

Site	Address	Distance (m)	Map Key
	Well ID: 6715076		
	lot 10 con 4 ON ***Well ID:*** 6712869	213.8	40
	lot 9 con 3 ON ***Well ID:*** 1702651	220.1	41
	lot 10 con 4 ON ***Well ID:*** 6705695	225.7	42
	6528 THIRD LINE lot 9 con 3 FERGUS ON ***Well ID:*** 7179341	227.2	43
	6928 THIRD LINE lot 9 con 3 FERGUS ON ***Well ID:*** 7172623	228.5	44
	lot 9 con 3 ON ***Well ID:*** 6706640	237.0	45
	lot 11 con 3 ON ***Well ID:*** 6702915	237.9	46
	73 3RD LINE ROAD BELWOOD ON ***Well ID:*** 7294234	238.4	47
	lot 9 con 4 ON ***Well ID:*** 6706452	241.0	48
	lot 10 con 4 ON ***Well ID:*** 7170379	250.2	49
	lot 9 con 4 ON ***Well ID:*** 6705285	258.1	50

Site	Address	Distance (m)	Map Key
	lot 9 con 4 ON ***Well ID:*** 7319355	264.7	51
	lot 10 con 4 ON ***Well ID:*** 6702928	297.0	52



Map: 0.3 Kilometer Radius

Order Number: 21022300307

Address: 8243 Wellington Rd 19, Fergus, ON

ENVIRONMENTAL RISK INFORMATION SERVICES

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

Source: © 2015 DMTI Spatial Inc.

Aerial **Year: 2018**

Address: 8243 Wellington Rd 19, Fergus, ON

Source: ESRI World Imagery

Order Number: 21022300307

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

Topographic Map

Address: 8243 Wellington Rd 19, ON

Source: ESRI World Topographic Map

Order Number: 21022300307

ENVIRONMENTAL RISK INFORMATION SERVICES

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SW/0.0	429.0 / -0.01	lot 10 con 3 ON	WWIS

Well ID:	6706408	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/21/1977
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	1906
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706408.pdf

Bore Hole Information

Bore Hole ID:	10470486	**Elevation:**	429.208251
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	551514.2
Code OB Desc:	Overburden	**North83:**	4843823
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	5/18/1977	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932630662
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY

Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 259
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932630663
Layer: 2
Color: 2
General Color: GREY
Mat1: 12
Most Common Material: STONES
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 259
Formation End Depth: 356
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966706408
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11019056
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930765579
Layer: 1
Material:
Open Hole or Material:
Depth From:
Depth To: 260
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930765580
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 356
Casing Diameter: 5
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996706408
Pump Set At:
Static Level: 65
Final Level After Pumping: 85
Recommended Pump Depth: 100
Pumping Rate: 15
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 5
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935131020
Test Type: Draw Down
Test Duration: 60
Test Level: 85
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934619351
Test Type: Draw Down
Test Duration: 30
Test Level: 85
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934344210
Test Type: Draw Down
Test Duration: 15
Test Level: 85
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934873283
Test Type: Draw Down
Test Duration: 45
Test Level: 85
Test Level UOM: ft

Water Details

Water ID: 933959352
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 356
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NNE/0.0	428.8 / -0.21	883890 Ontario Limited Property of 883890 Ontario Ltd., operating as Fergus Golf Club 8243 County Road 19 Lot 10, Concession 3 Township of Centre Wellington County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON	PTTW

EBR Registry No: 012-3779
Ministry Ref No: 6745-9SZM53
Notice Type: Instrument Decision
Notice Stage:
Notice Date: December 15, 2015
Proposal Date: March 19, 2015
Year: 2015
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 883890 Ontario Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 400 Golf Course Road, Conestogo Ontario, Canada N0B 1N0
Comment Period:
URL:

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

Site Location Details:

Property of 883890 Ontario Ltd., operating as Fergus Golf Club 8243 County Road 19 Lot 10, Concession 3 Township of Centre Wellington County of Wellington TOWNSHIP OF CENTRE WELLINGTON

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	1 of 1	NE/0.0	430.9 / 1.89	lot 10 con 3 ON	WWIS

Well ID: 6710384
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 83452
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 7/17/1990
Selected Flag: Yes
Abandonment Rec:
Contractor: 2663
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 010
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6710384.pdf

Bore Hole Information

Bore Hole ID: 10474229
Elevation: 430.832

DP2BR:	95	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551842.2
Code OB Desc:	Bedrock	**North83:**	4844206
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	6/27/1990	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	gps

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	932647671
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	130
Formation End Depth:	166
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932647667
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932647669
Layer:	4
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80

Formation End Depth:	95
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932647670
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	95
Formation End Depth:	130
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932647666
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932647668
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	14
Mat2 Desc:	HARDPAN
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15
Formation End Depth:	80
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966710384
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID: 11022799
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930772212
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 166
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930772211
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 95
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996710384
Pump Set At:
Static Level: 40
Final Level After Pumping:
Recommended Pump Depth: 146
Pumping Rate: 15
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934345963
Test Type: Recovery
Test Duration: 15
Test Level: 40
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934619963
Test Type: Recovery

Test Duration:	30
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935132241
Test Type:	Recovery
Test Duration:	60
Test Level:	40
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934872237
Test Type:	Recovery
Test Duration:	45
Test Level:	40
Test Level UOM:	ft

Water Details

Water ID:	933964006
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	166
Water Found Depth UOM:	ft

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4 | ***1 of 1*** | ***SSW/24.7*** | ***428.8 / -0.20*** | ***lot 9 con 3 ON*** | ***WWIS***

Well ID:	6709528	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	2/14/1989
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3518
Casing Material:		**Form Version:**	1
Audit No:	26872	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	009
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6709528.pdf

Bore Hole Information

Bore Hole ID:	10473377	**Elevation:**	428.996307
DP2BR:	76	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551365.2
Code OB Desc:	Bedrock	**North83:**	4843278

Open Hole:
Cluster Kind:
Date Completed: 6/8/1988
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Org CS:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps

Overburden and Bedrock Materials Interval

Formation ID: 932643921
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932643923
Layer: 3
Color: 6
General Color: BROWN
Mat1: 26
Most Common Material: ROCK
Mat2: 15
Mat2 Desc: LIMESTONE
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 76
Formation End Depth: 170
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932643922
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 2
Formation End Depth: 76
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	966709528
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11021947
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930770634
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	76
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930770635
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	170
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996709528
Pump Set At:	
Static Level:	45
Final Level After Pumping:	130
Recommended Pump Depth:	140
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934617734
Test Type:	Recovery

Test Duration: 30
Test Level: 45
Test Level UOM: ft

Water Details

Water ID: 933962965
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 170
Water Found Depth UOM: ft

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5 | **1 of 1** | **N/27.2** | **430.9 / 1.93** | **8298 WELLINGTON RD 19 lot 11 con 3 WEST GARAFRAXA ON** | **WWIS**

Well ID: 7281021
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z244493
Tag: A171809
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 2/13/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 6865
Form Version: 7
Owner:
Street Name: 8298 WELLINGTON RD 19
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 011
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006351802
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 1/21/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 430.957489
Elevrc:
Zone: 17
East83: 551496
North83: 4844536
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006576254
Layer: 5

Color:	2
General Color:	GREY
Mat1:	34
Most Common Material:	TILL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	06
Mat3 Desc:	SILT
Formation Top Depth:	12.8
Formation End Depth:	31.3
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576250
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	.6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576251
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	.6
Formation End Depth:	3
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576253
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4.6
Formation End Depth:	12.8
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576252
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	81
Mat3 Desc:	SANDY
Formation Top Depth:	3
Formation End Depth:	4.6
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576255
Layer:	6
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	31.3
Formation End Depth:	57.3
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006576292
Layer:	1
Plug From:	0
Plug To:	7
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1006576291
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1006576248
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006576260

Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-.6
Depth To:	33.8
Casing Diameter:	15.9
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	1006576261
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	33.8
Depth To:	57.3
Casing Diameter:	15.6
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006576262
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1006576249
Pump Set At:	25
Static Level:	11.9
Final Level After Pumping:	15.85
Recommended Pump Depth:	25
Pumping Rate:	45
Flowing Rate:	
Recommended Pump Rate:	38
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1006576274
Test Type:	Draw Down
Test Duration:	10
Test Level:	15.18
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID: 1006576281
Test Type: Recovery
Test Duration: 25
Test Level: 12.28
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576269
Test Type: Recovery
Test Duration: 3
Test Level: 12.89
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576278
Test Type: Draw Down
Test Duration: 20
Test Level: 15.48
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576266
Test Type: Draw Down
Test Duration: 2
Test Level: 13.81
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576263
Test Type: Recovery
Test Duration: 0
Test Level: 15.85
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576286
Test Type: Draw Down
Test Duration: 50
Test Level: 15.79
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576272
Test Type: Draw Down
Test Duration: 5
Test Level: 14.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576265
Test Type: Recovery
Test Duration: 1
Test Level: 14.08

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576289
Test Type: Recovery
Test Duration: 60
Test Level: 12.13
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576282
Test Type: Draw Down
Test Duration: 30
Test Level: 15.61
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576287
Test Type: Recovery
Test Duration: 50
Test Level: 12.16
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576279
Test Type: Recovery
Test Duration: 20
Test Level: 12.33
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576271
Test Type: Recovery
Test Duration: 4
Test Level: 12.74
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576283
Test Type: Recovery
Test Duration: 30
Test Level: 12.25
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576275
Test Type: Recovery
Test Duration: 10
Test Level: 12.47
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576268
Test Type: Draw Down
Test Duration: 3
Test Level: 14.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576288
Test Type: Draw Down
Test Duration: 60
Test Level: 15.85
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576276
Test Type: Draw Down
Test Duration: 15
Test Level: 15.36
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576273
Test Type: Recovery
Test Duration: 5
Test Level: 12.68
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576284
Test Type: Draw Down
Test Duration: 40
Test Level: 15.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576285
Test Type: Recovery
Test Duration: 40
Test Level: 12.22
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576264
Test Type: Draw Down
Test Duration: 1
Test Level: 13.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576267
Test Type: Recovery
Test Duration: 2

Test Level: 13.23
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576270
Test Type: Draw Down
Test Duration: 4
Test Level: 14.48
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576280
Test Type: Draw Down
Test Duration: 25
Test Level: 15.54
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576277
Test Type: Recovery
Test Duration: 15
Test Level: 12.39
Test Level UOM: m

Water Details

Water ID: 1006576259
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 57
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006576258
Diameter: 15.6
Depth From: 33.8
Depth To: 57.3
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1006576257
Diameter: 22.2
Depth From: 7
Depth To: 33.8
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1006576256
Diameter: 25.1
Depth From: 0
Depth To: 7

Hole Depth UOM: m
Hole Diameter UOM: cm

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6 | **1 of 1** | **NE/27.9** | **429.2 / 0.19** | **6557 THIRD LINE WEST GARAFRAXA ON** | **WWIS**

Well ID: 7281023
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z244492
Tag: A171808
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

PDF URL (Map):

Data Entry Status:
Data Src:
Date Received: 2/13/2017
Selected Flag: Yes
Abandonment Rec:
Contractor: 6865
Form Version: 7
Owner:
Street Name: 6557 THIRD LINE
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 1006351808
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 1/15/2017
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 429.940155
Elevrc:
Zone: 17
East83: 551792
North83: 4844306
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1006576327
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3: 11
Mat3 Desc: GRAVEL
Formation Top Depth: 3.5
Formation End Depth: 73.3
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	1006576324
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	.3
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576329
Layer:	6
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	79.5
Formation End Depth:	84.7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576325
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	.3
Formation End Depth:	1.2
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	1006576328
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 73.3
Formation End Depth: 79.5
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1006576326
Layer: 3
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.2
Formation End Depth: 3.5
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 1006576366
Layer: 1
Plug From: 0
Plug To: 15
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 1006576365
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 1006576322
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1006576334
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -.7
Depth To: 74.7
Casing Diameter: 15.9
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 1006576335
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 74.7
Depth To: 84.7
Casing Diameter: 15.6
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 1006576336
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1006576323
Pump Set At: 61
Static Level: 16.6
Final Level After Pumping: 47.67
Recommended Pump Depth: 80
Pumping Rate: 23
Flowing Rate:
Recommended Pump Rate: 27
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1006576337
Test Type: Recovery
Test Duration: 0
Test Level: 47.07
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576339
Test Type: Recovery
Test Duration: 1
Test Level: 47.06
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576340
Test Type: Draw Down

Test Duration: 2
Test Level: 24.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576347
Test Type: Recovery
Test Duration: 5
Test Level: 44.04
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576349
Test Type: Recovery
Test Duration: 10
Test Level: 40.6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576355
Test Type: Recovery
Test Duration: 25
Test Level: 32.37
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576362
Test Type: Draw Down
Test Duration: 60
Test Level: 47.67
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576360
Test Type: Draw Down
Test Duration: 50
Test Level: 45.72
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576356
Test Type: Draw Down
Test Duration: 30
Test Level: 40.05
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576361
Test Type: Recovery
Test Duration: 50
Test Level: 23.77
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576348
Test Type: Draw Down
Test Duration: 10
Test Level: 30.33
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576358
Test Type: Draw Down
Test Duration: 40
Test Level: 43.28
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576351
Test Type: Recovery
Test Duration: 15
Test Level: 37.55
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576363
Test Type: Recovery
Test Duration: 60
Test Level: 21.64
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576354
Test Type: Draw Down
Test Duration: 25
Test Level: 38.07
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576353
Test Type: Recovery
Test Duration: 20
Test Level: 34.81
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576338
Test Type: Draw Down
Test Duration: 1
Test Level: 23.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576343

Test Type: Recovery
Test Duration: 3
Test Level: 45.48
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576345
Test Type: Recovery
Test Duration: 4
Test Level: 44.78
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576341
Test Type: Recovery
Test Duration: 2
Test Level: 46.3
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576346
Test Type: Draw Down
Test Duration: 5
Test Level: 26.94
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576350
Test Type: Draw Down
Test Duration: 15
Test Level: 33.28
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576359
Test Type: Recovery
Test Duration: 40
Test Level: 26.58
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576344
Test Type: Draw Down
Test Duration: 4
Test Level: 26.18
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576342
Test Type: Draw Down
Test Duration: 3
Test Level: 25.42
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576352
Test Type: Draw Down
Test Duration: 20
Test Level: 35.78
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1006576357
Test Type: Recovery
Test Duration: 30
Test Level: 30.21
Test Level UOM: m

Water Details

Water ID: 1006576333
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 80
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1006576330
Diameter: 25
Depth From: 0
Depth To: 15
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1006576332
Diameter: 15.6
Depth From: 74.7
Depth To: 84.7
Hole Depth UOM: m
Hole Diameter UOM: cm

Hole Diameter

Hole ID: 1006576331
Diameter: 22.2
Depth From: 15
Depth To: 74.7
Hole Depth UOM: m
Hole Diameter UOM: cm

7	***1 of 1***	***N/30.2***	***430.9 / 1.93***	***8298 WELLINGTON RD 19 lot 11 con 3 WEST GARAFRAXA ON***	***WWIS***

Well ID: 7281022
Construction Date:
Primary Water Use:
Sec. Water Use:
Data Entry Status:
Data Src:
Date Received: 2/13/2017
Selected Flag: Yes

Final Well Status:	Abandoned-Other	***Abandonment Rec:***	Yes
Water Type:		***Contractor:***	6865
Casing Material:		***Form Version:***	7
Audit No:	Z244494	***Owner:***	
Tag:		***Street Name:***	8298 WELLINGTON RD 19
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	011
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006351805	***Elevation:***	430.988769
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	551493
Code OB Desc:		***North83:***	4844537
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	1/21/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	1006576310
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1006576304
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006576308
Layer:	
Material:	
Open Hole or Material:	
Depth From:	
Depth To:	
Casing Diameter:	
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1006576309
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1006576307
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006576306
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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8 | **1 of 1** | **ENE/36.5** | **426.5 / -2.44** | **lot 10 con 4 ON** | **WWIS**

Well ID: 6711036
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 90585
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/21/1992
Selected Flag: Yes
Abandonment Rec:
Contractor: 3740
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711036.pdf

Bore Hole Information

Bore Hole ID: 10474877
DP2BR: 97
Elevation: 430.120605
Elevrc:

Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	551954.2
Code OB Desc:	Bedrock	***North83:***	4844161
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	9/17/1992	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932650658
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	97
Formation End Depth:	167
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932650655
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	01
Mat2 Desc:	FILL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932650656
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	11

Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932650657
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 11
Formation End Depth: 97
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966711036
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11023447
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930773384
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 99
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930773385
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 167
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996711036

Pump Set At:	
Static Level:	40
Final Level After Pumping:	
Recommended Pump Depth:	80
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933964841
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	167
Water Found Depth UOM:	ft

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9 | ***1 of 1*** | ***NNE/39.0*** | ***427.3 / -1.68*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	6711958	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	5/3/1996
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	6865
Casing Material:		**Form Version:**	1
Audit No:	169661	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711958.pdf

Bore Hole Information

Bore Hole ID:	10475791	**Elevation:**	427.072967
DP2BR:	168	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551724.2
Code OB Desc:	Bedrock	**North83:**	4844387
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	4/9/1996	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	gps
Elevrc Desc:			

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

Overburden and Bedrock Materials Interval

Formation ID: 932654935
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 11
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932654936
Layer: 3
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 11
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932654938
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 83
Formation End Depth: 117
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932654934
Layer: 1

Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932654937
Layer: 4
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 83
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932654939
Layer: 6
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3: 12
Mat3 Desc: STONES
Formation Top Depth: 117
Formation End Depth: 168
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932654940
Layer: 7
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 168
Formation End Depth: 230
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	966711958
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11024361
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930775035
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	170
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930775036
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	230
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996711958
Pump Set At:	
Static Level:	41
Final Level After Pumping:	50
Recommended Pump Depth:	75
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934341680

Test Type:	Draw Down
Test Duration:	15
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934615180
Test Type:	Draw Down
Test Duration:	30
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935137210
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934867439
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933966063
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	215
Water Found Depth UOM:	ft

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10 | ***1 of 1*** | ***NNE/53.3*** | ***427.5 / -1.50*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	6709484	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/8/1988
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3740
Casing Material:		**Form Version:**	1
Audit No:	33338	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6709484.pdf

Bore Hole Information

Bore Hole ID:	10473333	***Elevation:***	427.777038
DP2BR:	100	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	551754.2
Code OB Desc:	Bedrock	***North83:***	4844378
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	9/27/1988	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932643733
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	34
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932643734
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	129
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932643730
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02

Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932643731
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932643732
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	34
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966709484
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11021903
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930770562
Layer:	1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	104
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930770563
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	129
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996709484
Pump Set At:	
Static Level:	52
Final Level After Pumping:	70
Recommended Pump Depth:	110
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	7
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935138693
Test Type:	Draw Down
Test Duration:	60
Test Level:	70
Test Level UOM:	ft

Water Details

Water ID:	933962905
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	129
Water Found Depth UOM:	ft

11	***1 of 1***	***NE/55.5***	***428.4 / -0.55***	***lot 10 con 4 ON***	***WWIS***

Well ID:	6706075	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/8/1976

Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2336
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706075.pdf

Bore Hole Information

Bore Hole ID:	10470156	**Elevation:**	429.871521
DP2BR:	97	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551814.2
Code OB Desc:	Bedrock	**North83:**	4844323
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	6/22/1976	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932629051
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932629052
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05

Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	97
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932629054
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	127
Formation End Depth:	201
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932629053
Layer:	3
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	97
Formation End Depth:	127
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966706075
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11018726
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930765048
Layer:	2

Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	201
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930765047
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	106
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996706075
Pump Set At:	
Static Level:	35
Final Level After Pumping:	75
Recommended Pump Depth:	90
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934343595
Test Type:	Recovery
Test Duration:	15
Test Level:	35
Test Level UOM:	ft

Water Details

Water ID:	933958951
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	190
Water Found Depth UOM:	ft

12	***1 of 1***	***NNE/57.5***	***427.4 / -1.52***	***lot 10 con 4 ON***	***WWIS***

Well ID:	6708187	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	4/1/1985

Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3317
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6708187.pdf

Bore Hole Information

Bore Hole ID:	10472102	**Elevation:**	426.117584
DP2BR:	94	**Elevrc:**	
Spatial Status:	Improved	**Zone:**	17
Code OB:	r	**East83:**	551703
Code OB Desc:	Bedrock	**North83:**	4844433
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	6/6/1984	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Elevrc Desc:			
Location Source Date:			

Improvement Location Source: 1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method: GIS
Source Revision Comment: Northing and/or Easting field has been changed. Reasonably sure well location matches sketch map (similar features).
Supplier Comment: Determined to be an improvement rather than a Lot Centroid in December 2009.

Overburden and Bedrock Materials Interval

Formation ID:	932638253
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	94
Formation End Depth:	140
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932638252
Layer:	1
Color:	
General Color:	

Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 94
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966708187
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11020672
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930768332
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 140
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930768331
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 98
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996708187
Pump Set At:
Static Level: 23
Final Level After Pumping: 65
Recommended Pump Depth: 90
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935135378
Test Type:	Draw Down
Test Duration:	60
Test Level:	65
Test Level UOM:	ft

Water Details

Water ID:	933961368
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	125
Water Found Depth UOM:	ft

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13 | ***1 of 1*** | ***ENE/62.8*** | ***424.6 / -4.40*** | ***6543 THIRD LINE lot 10 con 4 ELORA ON*** | ***WWIS***

Well ID:	7317288	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	8/22/2018
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Supply	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7557
Casing Material:		**Form Version:**	7
Audit No:	Z284267	**Owner:**	
Tag:		**Street Name:**	6543 THIRD LINE
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1007260674	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	551989
Code OB Desc:		**North83:**	4844164
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/25/2018	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			

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

Annular Space/Abandonment Sealing Record

Plug ID: 1007439589
Layer: 1
Plug From: 0
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007439591
Layer: 3
Plug From: 7
Plug To: 8
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007439590
Layer: 2
Plug From: 5
Plug To: 7
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1007439588
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1007439581
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007439586
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	1007439587
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1007439582
Pump Set At:	
Static Level:	7
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	

Water Details

Water ID:	1007439585
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007439584
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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14 | ***1 of 1*** | ***ENE/68.3*** | ***424.3 / -4.64*** | ***lot 9 con 4 ON*** | ***WWIS***

Well ID:	6708208	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	6/4/1985
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3740
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP

Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	009
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6708208.pdf

Bore Hole Information

Bore Hole ID:	10472123	***Elevation:***	427.660217
DP2BR:	90	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	552012.2
Code OB Desc:	Bedrock	***North83:***	4844149
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	5/8/1985	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932638338
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932638339
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8
Formation End Depth:	90
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932638337
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932638340
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90
Formation End Depth:	152
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932638341
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	152
Formation End Depth:	213
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966708208
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID: 11020693
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930768370
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 213
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930768369
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 91
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996708208
Pump Set At:
Static Level: 26
Final Level After Pumping: 85
Recommended Pump Depth: 120
Pumping Rate: 9
Flowing Rate:
Recommended Pump Rate: 9
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935135390
Test Type:
Test Duration: 60
Test Level: 85
Test Level UOM: ft

Water Details

Water ID: 933961395
Layer: 1
Kind Code: 2
Kind: SALTY

Water Found Depth: 195
Water Found Depth UOM: ft

Water Details

Water ID: 933961396
Layer: 2
Kind Code: 2
Kind: SALTY
Water Found Depth: 213
Water Found Depth UOM: ft

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15 | **1 of 1** | **ENE/71.8** | **423.2 / -5.79** | **lot 9 con 4 ON** | **WWIS**

Well ID: 6711170
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 133055
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/29/1993
Selected Flag: Yes
Abandonment Rec:
Contractor: 3740
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 009
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711170.pdf

Bore Hole Information

Bore Hole ID: 10475006
DP2BR: 85
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 5/18/1993
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 428.090148
Elevrc:
Zone: 17
East83: 552033.2
North83: 4844103
Org CS:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps

Overburden and Bedrock Materials Interval

Formation ID: 932651294
Layer: 3
Color: 2

General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 27
Formation End Depth: 85
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932651292
Layer: 1
Color: 8
General Color: BLACK
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932651293
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 27
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932651295
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 85
Formation End Depth: 138
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	966711170
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11023576
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930773635
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	88
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930773636
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	138
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996711170
Pump Set At:	
Static Level:	25
Final Level After Pumping:	32
Recommended Pump Depth:	60
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935134936
Test Type:	Draw Down

Test Duration: 60
Test Level: 32
Test Level UOM: ft

Water Details

Water ID: 933965022
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 138
Water Found Depth UOM: ft

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16 | **1 of 1** | **ENE/72.7** | **427.8 / -1.12** | **lot 10 con 4 ON** | **WWIS**

Well ID: 6708435
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 6/27/1986
Selected Flag: Yes
Abandonment Rec:
Contractor: 3740
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6708435.pdf

Bore Hole Information

Bore Hole ID: 10472341
DP2BR: 90
Spatial Status:
Code OB: r
Code OB Desc: Bedrock
Open Hole:
Cluster Kind:
Date Completed: 6/17/1986
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 430.683319
Elevrc:
Zone: 17
East83: 551941.2
North83: 4844224
Org CS:
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method: gps

Overburden and Bedrock Materials Interval

Formation ID: 932639269
Layer: 1

Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	11
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932639271
Layer:	3
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	90
Formation End Depth:	200
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932639270
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	11
Formation End Depth:	90
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966708435
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11020911
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930768756
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	200
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930768755
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	96
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996708435
Pump Set At:	
Static Level:	24
Final Level After Pumping:	60
Recommended Pump Depth:	110
Pumping Rate:	7
Flowing Rate:	
Recommended Pump Rate:	7
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935135955
Test Type:	Draw Down
Test Duration:	60
Test Level:	60
Test Level UOM:	ft

Water Details

Water ID:	933961669
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	185
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
17	1 of 1	NNW/77.8	431.0 / 2.04	Hydro One Inc. 8282 County Road 19, Fergus	SPL

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

Ref No:	8680-B3UNFT	**Discharger Report:**	
Site No:	NA	**Material Group:**	
Incident Dt:	2018/08/20	**Health/Env Conseq:**	2 - Minor Environment
Year:		**Client Type:**	Corporation
Incident Cause:		**Sector Type:**	Electric Power Generation
Incident Event:	Leak/Break	**Agency Involved:**	
Contaminant Code:	15	**Nearest Watercourse:**	
Contaminant Name:	TRANSFORMER OIL (N.O.S.)	**Site Address:**	8282 County Road 19, Fergus
Contaminant Limit 1:		**Site District Office:**	Guelph
Contam Limit Freq 1:		**Site Postal Code:**	
Contaminant UN No 1:	n/a	**Site Region:**	West Central
Environment Impact:		**Site Municipality:**	Centre Wellington
Nature of Impact:		**Site Lot:**	
Receiving Medium:		**Site Conc:**	
Receiving Env:	Land	**Northing:**	4843825
MOE Response:	No	**Easting:**	551373
Dt MOE Arvl on Scn:		**Site Geo Ref Accu:**	
MOE Reported Dt:	2018/08/21	**Site Map Datum:**	
Dt Document Closed:		**SAC Action Class:**	Land Spills
Incident Reason:	Equipment Failure	**Source Type:**	Transformer
Site Name:	spill site<UNOFFICIAL>		
Site County/District:	County of Wellington		
Site Geo Ref Meth:			
Incident Summary:	HydroOne: ~ 10 L non PCB transformer oil, to land; clnd		
Contaminant Qty:	10 L		

18	1 of 1	NNE/78.0	428.0 / -0.99	lot 10 con 4 ON	WWIS

Well ID:	6705605	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/6/1975
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2336
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6705605.pdf

Bore Hole Information

Bore Hole ID:	10469695	**Elevation:**	427.694427
DP2BR:	241	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551774.2
Code OB Desc:	Bedrock	**North83:**	4844393
Open Hole:		**Org CS:**	

Cluster Kind:
Date Completed: 7/28/1975
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 932627079
Layer: 4
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 145
Formation End Depth: 152
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932627077
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 15
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932627076
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	932627081
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	208
Formation End Depth:	241
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932627080
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	152
Formation End Depth:	208
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932627082
Layer:	7
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	241
Formation End Depth:	260
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932627078
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	

Formation Top Depth:	15
Formation End Depth:	145
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966705605
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11018265
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930764287
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	245
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930764288
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	260
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996705605
Pump Set At:	
Static Level:	39
Final Level After Pumping:	65
Recommended Pump Depth:	85
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934342010
Test Type:	Recovery
Test Duration:	15
Test Level:	39
Test Level UOM:	ft

Water Details

Water ID:	933958412
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	260
Water Found Depth UOM:	ft

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19 | ***1 of 2*** | ***NE/90.3*** | ***429.4 / 0.48*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	6706242	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	11/25/1976
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2519
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706242.pdf

Bore Hole Information

Bore Hole ID:	10470322	***Elevation:***	430.015411
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	551864.2
Code OB Desc:	Overburden	***North83:***	4844323
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	10/14/1976	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	932629905
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932629906
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14
Formation End Depth:	24
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966706242
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11018892
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930765319
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	16
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930765320
Layer:	2
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	24
Casing Diameter:	24
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996706242
Pump Set At:	
Static Level:	6
Final Level After Pumping:	
Recommended Pump Depth:	21
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933959156
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	6
Water Found Depth UOM:	ft

---

19 | ***2 of 2*** | ***NE/90.3*** | ***429.4 / 0.48*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	6706243	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	11/25/1976
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2519
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706243.pdf

Bore Hole Information

Bore Hole ID:	10470323	***Elevation:***	430.015411
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	551864.2
Code OB Desc:	Overburden	***North83:***	4844323
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	10/15/1976	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932629907
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	14
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932629908
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	14
Formation End Depth:	21
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966706243
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID: 11018893
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930765321
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930765322
Layer: 2
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 21
Casing Diameter: 24
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996706243
Pump Set At:
Static Level: 4
Final Level After Pumping:
Recommended Pump Depth: 18
Pumping Rate:
Flowing Rate:
Recommended Pump Rate: 3
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933959157
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 4
Water Found Depth UOM: ft

20	1 of 1	NE/91.4	429.4 / 0.48	lot 9 con 4 ON	WWIS

Well ID: 7185591 ***Data Entry Status:***

Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	8/16/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	7154
Casing Material:		**Form Version:**	7
Audit No:	Z142152	**Owner:**	
Tag:	A125533	**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	009
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/718\7185591.pdf

Bore Hole Information

Bore Hole ID:	1004116702	**Elevation:**	430.120544
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	551874
Code OB Desc:		**North83:**	4844315
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	7/16/2012	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1004412609
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	245
Formation End Depth:	248
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004412605
Layer:	1
Color:	6

General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004412606
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	16
Formation End Depth:	102
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004412607
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	102
Formation End Depth:	189
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004412608
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	189
Formation End Depth:	245
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1004412622
Layer:	1
Plug From:	0
Plug To:	246
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1004412621
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1004412603
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004412613
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0
Depth To:	246
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1004412614
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	246
Depth To:	248
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1004412615
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID: 1004412604
Pump Set At: 80
Static Level: 50
Final Level After Pumping: 52
Recommended Pump Depth: 80
Pumping Rate: 12
Flowing Rate:
Recommended Pump Rate: 12
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 12
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1004412616
Test Type: Draw Down
Test Duration: 5
Test Level: 52
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004412617
Test Type: Recovery
Test Duration: 5
Test Level: 50
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004412618
Test Type: Draw Down
Test Duration: 60
Test Level: 52
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004412619
Test Type: Recovery
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 1004412612
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 248
Water Found Depth UOM: ft

Hole Diameter

Hole ID:	1004412611
Diameter:	6
Depth From:	246
Depth To:	248
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1004412610
Diameter:	8.75
Depth From:	0
Depth To:	246
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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21 | ***1 of 1*** | ***NE/102.7*** | ***429.4 / 0.48*** | ***105 FIRST ST BELWOOD ON*** | ***WWIS***

Well ID:	7310362	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	4/17/2018
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	6475
Casing Material:		**Form Version:**	7
Audit No:	Z210117	**Owner:**	
Tag:	A183638	**Street Name:**	105 FIRST ST
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1007035006	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:		**East83:**	551883
Code OB Desc:		**North83:**	4844322
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	5
Date Completed:	3/16/2018	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID: 1007261214
Layer: 2
Plug From: 6
Plug To: 5
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007261215
Layer: 3
Plug From: 5
Plug To: 0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007261216
Layer: 4
Plug From:
Plug To:
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1007261213
Layer: 1
Plug From: 9.5
Plug To: 6
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1007261212
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1007261206
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1007261210
Layer:
Material:
Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	1007261211
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Water Details

Water ID:	1007261209
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1007261208
Diameter:	
Depth From:	
Depth To:	
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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22 | ***1 of 1*** | ***NE/104.7*** | ***428.6 / -0.37*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	6705693	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/15/1975
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2519
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6705693.pdf

Bore Hole Information

Bore Hole ID:	10469782	***Elevation:***	429.778869
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	551864.2

Code OB Desc:	Overburden	***North83:***	4844343
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	8/9/1975	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932627446
Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932627447
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932627445
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966705693
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11018352
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930764438
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	16
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930764439
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25
Casing Diameter:	24
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996705693
Pump Set At:	
Static Level:	6
Final Level After Pumping:	25
Recommended Pump Depth:	18
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935137007

Test Type: Recovery
Test Duration: 60
Test Level: 20
Test Level UOM: ft

Water Details

Water ID: 933958520
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 6
Water Found Depth UOM: ft

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23 | **1 of 1** | **NW/108.5** | **431.0 / 2.01** | **lot 11 con 3 ON** | **WWIS**

Well ID:	6706528	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/4/1977
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3740
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706528.pdf

Bore Hole Information

Bore Hole ID:	10470605	**Elevation:**	431.420684
DP2BR:	100	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551314.2
Code OB Desc:	Bedrock	**North83:**	4844423
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/1/1977	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932631287

Layer:	2
Color:	2
General Color:	GREY
Mat1:	14
Most Common Material:	HARDPAN
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	34
Formation End Depth:	50
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932631288
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	50
Formation End Depth:	76
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932631286
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	34
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932631289
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	76
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932631290
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	180
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966706528
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11019175
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930765766
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	104
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996706528
Pump Set At:	
Static Level:	27
Final Level After Pumping:	75
Recommended Pump Depth:	90
Pumping Rate:	9
Flowing Rate:	
Recommended Pump Rate:	7
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935130401
Test Type: Draw Down
Test Duration: 60
Test Level: 75
Test Level UOM: ft

Water Details

Water ID: 933959489
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 180
Water Found Depth UOM: ft

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24 | ***1 of 1*** | ***NE/125.1*** | ***428.6 / -0.33*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID: 6705698
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 9/29/1975
Selected Flag: Yes
Abandonment Rec:
Contractor: 2519
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6705698.pdf

Bore Hole Information

Bore Hole ID: 10469787
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 9/8/1975
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 430.288543
Elevrc:
Zone: 17
East83: 551914.2
North83: 4844323
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID:	932627471
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932627470
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966705698
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11018357
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930764444
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	16
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930764445
Layer:	2
Material:	2
Open Hole or Material:	GALVANIZED
Depth From:	
Depth To:	25
Casing Diameter:	24
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996705698
Pump Set At:	
Static Level:	10
Final Level After Pumping:	25
Recommended Pump Depth:	20
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935137986
Test Type:	Recovery
Test Duration:	60
Test Level:	10
Test Level UOM:	ft

Water Details

Water ID:	933958526
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	13
Water Found Depth UOM:	ft

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25 ***1 of 1*** ***NE/125.7*** ***428.1 / -0.89*** ***lot 10 con 4 ON*** ***WWIS***

Well ID:	6708893	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/14/1987
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3740
Casing Material:		***Form Version:***	1
Audit No:	06085	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP

Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6708893.pdf

Bore Hole Information

Bore Hole ID:	10472782	**Elevation:**	428.981719
DP2BR:	201	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551856.2
Code OB Desc:	Bedrock	**North83:**	4844380
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	8/6/1987	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932641259
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	18
Most Common Material:	SANDSTONE
Mat2:	17
Mat2 Desc:	SHALE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	201
Formation End Depth:	207
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932641260
Layer:	7
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	207
Formation End Depth:	260
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932641255
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3
Formation End Depth:	12
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932641257
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	165
Formation End Depth:	195
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932641258
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	195
Formation End Depth:	201
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932641256
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12

Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 165
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932641254
Layer: 1
Color: 6
General Color: BROWN
Mat1: 01
Most Common Material: FILL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 3
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966708893
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11021352
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930769562
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 260
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930769561
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 207
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	996708893
Pump Set At:	
Static Level:	42
Final Level After Pumping:	68
Recommended Pump Depth:	90
Pumping Rate:	9
Flowing Rate:	
Recommended Pump Rate:	9
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935137102
Test Type:	
Test Duration:	60
Test Level:	68
Test Level UOM:	ft

Water Details

Water ID:	933962206
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	260
Water Found Depth UOM:	ft

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26 ***1 of 1*** ***ENE/131.6*** ***424.9 / -4.12*** ***lot 10 con 4 ON*** ***WWIS***

Well ID:	6713066	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/27/1999
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	6865
Casing Material:		***Form Version:***	1
Audit No:	203956	***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6713066.pdf

Bore Hole Information

Bore Hole ID:	10476899	***Elevation:***	429.061218
DP2BR:	230	***Elevrc:***	
Spatial Status:	Improved	***Zone:***	17
Code OB:	r	***East83:***	551968
Code OB Desc:	Bedrock	***North83:***	4844280
Open Hole:		***Org CS:***	N83
Cluster Kind:		***UTMRC:***	3
Date Completed:	5/12/1999	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project		
Improvement Location Method:	GIS		
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.		
Supplier Comment:	Determined to be an improvement rather than a Lot Centroid in December 2009.		

Overburden and Bedrock Materials Interval

Formation ID:	932660377
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	9
Formation End Depth:	27
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932660381
Layer:	8
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	230
Formation End Depth:	250
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932660376
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY

Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 4
Formation End Depth: 9
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932660380
Layer: 7
Color: 2
General Color: GREY
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3: 06
Mat3 Desc: SILT
Formation Top Depth: 171
Formation End Depth: 230
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932660379
Layer: 6
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 157
Formation End Depth: 171
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932660378
Layer: 5
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 27
Formation End Depth: 157
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932660375
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	05
Mat3 Desc:	CLAY
Formation Top Depth:	1
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932660374
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933211168
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966713066
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11025469
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930777014
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	

Depth To: 233
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930777015
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 250
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996713066
Pump Set At:
Static Level: 30
Final Level After Pumping: 106
Recommended Pump Depth: 150
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 935132313
Test Type: Draw Down
Test Duration: 60
Test Level: 106
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934871259
Test Type: Draw Down
Test Duration: 45
Test Level: 103
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934354557
Test Type: Draw Down
Test Duration: 15
Test Level: 82
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934618995
Test Type: Draw Down
Test Duration: 30
Test Level: 98
Test Level UOM: ft

Water Details

Water ID: 933967683
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 246
Water Found Depth UOM: ft

Water Details

Water ID: 933967684
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 250
Water Found Depth UOM: ft

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27 | **1 of 1** | **E/143.4** | **422.4 / -6.54** | **lot 9 con 4 ON** | **WWIS**

Well ID: 7273582
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: 0
Water Type:
Casing Material:
Audit No: Z218736
Tag: A193188
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 10/17/2016
Selected Flag: Yes
Abandonment Rec:
Contractor: 7557
Form Version: 7
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 009
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map):

Bore Hole Information

Bore Hole ID: 1006273978
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 5/20/2016
Remarks:

Elevation: 426.658416
Elevrc:
Zone: 17
East83: 552095
North83: 4844051
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1006431666
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 2
Formation End Depth: 37
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006431667
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 37
Formation End Depth: 86
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006431668
Layer: 4
Color: 6
General Color: BROWN
Mat1: 15
Most Common Material: LIMESTONE
Mat2: 17
Mat2 Desc: SHALE
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 86
Formation End Depth: 140
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1006431665

Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006431704
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006431703
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	1006431663
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006431674
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	86
Depth To:	140
Casing Diameter:	6.125
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006431673
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2
Depth To:	86
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006431675
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1006431664
Pump Set At:	50
Static Level:	18
Final Level After Pumping:	30
Recommended Pump Depth:	50
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	1006431678
Test Type:	Draw Down
Test Duration:	2
Test Level:	22
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006431687
Test Type:	Recovery
Test Duration:	10
Test Level:	18
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006431688
Test Type:	Draw Down
Test Duration:	15
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006431694
Test Type:	Draw Down
Test Duration:	30
Test Level:	30
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID: 1006431691
Test Type: Recovery
Test Duration: 20
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431683
Test Type: Recovery
Test Duration: 4
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431676
Test Type: Draw Down
Test Duration: 1
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431696
Test Type: Draw Down
Test Duration: 40
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431681
Test Type: Recovery
Test Duration: 3
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431697
Test Type: Recovery
Test Duration: 40
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431693
Test Type: Recovery
Test Duration: 25
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431677
Test Type: Recovery
Test Duration: 1
Test Level: 24
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431684
Test Type: Draw Down
Test Duration: 5
Test Level: 27
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431698
Test Type: Draw Down
Test Duration: 50
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431686
Test Type: Draw Down
Test Duration: 10
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431689
Test Type: Recovery
Test Duration: 15
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431700
Test Type: Draw Down
Test Duration: 60
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431701
Test Type: Recovery
Test Duration: 60
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431695
Test Type: Recovery
Test Duration: 30
Test Level: 18

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431679
Test Type: Recovery
Test Duration: 2
Test Level: 20
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431685
Test Type: Recovery
Test Duration: 5
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431682
Test Type: Draw Down
Test Duration: 4
Test Level: 26
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431699
Test Type: Recovery
Test Duration: 50
Test Level: 18
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431690
Test Type: Draw Down
Test Duration: 20
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431692
Test Type: Draw Down
Test Duration: 25
Test Level: 30
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006431680
Test Type: Draw Down
Test Duration: 3
Test Level: 24
Test Level UOM: ft

Water Details

Water ID: 1006431671
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 102
Water Found Depth UOM: ft

Water Details

Water ID: 1006431672
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 137
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1006431670
Diameter: 6.125
Depth From: 20
Depth To: 140
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1006431669
Diameter: 8.25
Depth From: 0
Depth To: 20
Hole Depth UOM: ft
Hole Diameter UOM: inch

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28 | **1 of 1** | **W/152.5** | **433.9 / 4.97** | **lot 10 con 3 ON** | **WWIS**

Well ID: 6702914
Construction Date:
Primary Water Use: Livestock
Sec. Water Use: Domestic
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 1/3/1968
Selected Flag: Yes
Abandonment Rec:
Contractor: 2406
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 010
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6702914.pdf

Bore Hole Information

Bore Hole ID:	10467057	**Elevation:**	434.609222
DP2BR:	97	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551219.2
Code OB Desc:	Bedrock	**North83:**	4844017
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	12/13/1967	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932615754
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	97
Formation End Depth:	180
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932615751
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932615752
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	

Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 84
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932615753
Layer: 3
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 84
Formation End Depth: 97
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966702914
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11015627
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930759676
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 99
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930759677
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 180
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID:	996702914
Pump Set At:	
Static Level:	40
Final Level After Pumping:	60
Recommended Pump Depth:	80
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933955279
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	175
Water Found Depth UOM:	ft

29	***1 of 1***	***E/155.7***	***422.4 / -6.57***	***lot 9 con 4 ON***	***WWIS***

Well ID:	6707006	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	7/6/1979
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2336
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	009
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6707006.pdf

Bore Hole Information

Bore Hole ID:	10471072	***Elevation:***	423.847778
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	552114.2
Code OB Desc:	Overburden	***North83:***	4844073
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5

Date Completed: 6/20/1979
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 100 m - 100 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 932633627
Layer: 5
Color: 2
General Color: GREY
Mat1: 12
Most Common Material: STONES
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 83
Formation End Depth: 115
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932633623
Layer: 1
Color: 6
General Color: BROWN
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932633626
Layer: 4
Color: 2
General Color: GREY
Mat1: 12
Most Common Material: STONES
Mat2: 05
Mat2 Desc: CLAY
Mat3: 71
Mat3 Desc: FRACTURED
Formation Top Depth: 80
Formation End Depth: 83
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	932633628
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	12
Most Common Material:	STONES
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	115
Formation End Depth:	118
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932633625
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	11
Mat3 Desc:	GRAVEL
Formation Top Depth:	15
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932633624
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	15
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966707006
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11019642
Casing No:	1
Comment:	

Alt Name:

Construction Record - Casing

Casing ID:	930766543
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	86
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930766544
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	118
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996707006
Pump Set At:	
Static Level:	32
Final Level After Pumping:	55
Recommended Pump Depth:	65
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934345805
Test Type:	Recovery
Test Duration:	15
Test Level:	32
Test Level UOM:	ft

Water Details

Water ID:	933960084
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	117
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
30	1 of 1	ENE/158.7	422.0 / -6.97	lot 10 con 4 ON	WWIS

Well ID:	6707096	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/16/1979
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	5477
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6707096.pdf

Bore Hole Information

Bore Hole ID:	10471162	**Elevation:**	422.915771
DP2BR:	10	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	v	**East83:**	552014.2
Code OB Desc:	Overburden below Bedrock	**North83:**	4844273
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/13/1979	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932634089
Layer:	8
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	33
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	932634088
Layer:	7
Color:	2
General Color:	GREY
Mat1:	33
Most Common Material:	MARL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	30
Formation End Depth:	33
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932634085
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	12
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932634082
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	4
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932634083
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth: 4
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932634086
Layer: 5
Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 17
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932634087
Layer: 6
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 17
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932634084
Layer: 3
Color: 2
General Color: GREY
Mat1: 33
Most Common Material: MARL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 12
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966707096
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID:	11019732
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930766689
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	40
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996707096
Pump Set At:	
Static Level:	4
Final Level After Pumping:	40
Recommended Pump Depth:	35
Pumping Rate:	4
Flowing Rate:	
Recommended Pump Rate:	4
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935132593
Test Type:	Recovery
Test Duration:	60
Test Level:	6
Test Level UOM:	ft

Water Details

Water ID:	933960190
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	4
Water Found Depth UOM:	ft

Water Details

Water ID:	933960192
Layer:	3
Kind Code:	1

Kind:	FRESH
Water Found Depth:	16
Water Found Depth UOM:	ft

Water Details

Water ID:	933960191
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	10
Water Found Depth UOM:	ft

Water Details

Water ID:	933960193
Layer:	4
Kind Code:	1
Kind:	FRESH
Water Found Depth:	33
Water Found Depth UOM:	ft

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31 | ***1 of 1*** | ***NE/168.6*** | ***425.2 / -3.79*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	6713242	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/11/2000
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3317
Casing Material:		**Form Version:**	1
Audit No:	206527	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6713242.pdf

Bore Hole Information

Bore Hole ID:	10477075	**Elevation:**	429.526611
DP2BR:	99	**Elevrc:**	
Spatial Status:	Improved	**Zone:**	17
Code OB:	r	**East83:**	551953
Code OB Desc:	Bedrock	**North83:**	4844346
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	8/17/1999	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project		

Improvement Location Method: GIS
Source Revision Comment: Northing and/or Easting field has been changed. Location estimated from sketch map.
Supplier Comment: Determined to be an improvement rather than a Lot Centroid in December 2009.

Overburden and Bedrock Materials Interval

Formation ID: 932661251
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 81
Mat3 Desc: SANDY
Formation Top Depth: 1
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932661252
Layer: 3
Color: 4
General Color: GREEN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 99
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932661253
Layer: 4
Color: 4
General Color: GREEN
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 99
Formation End Depth: 202
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932661250
Layer: 1
Color: 6
General Color: BROWN

Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966713242
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11025645
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930777313
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 202
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930777312
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 103
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996713242
Pump Set At:
Static Level: 45
Final Level After Pumping: 55
Recommended Pump Depth: 80
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934871827
Test Type:	Draw Down
Test Duration:	45
Test Level:	55
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934354989
Test Type:	Draw Down
Test Duration:	15
Test Level:	55
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934619564
Test Type:	Draw Down
Test Duration:	30
Test Level:	55
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935132881
Test Type:	Draw Down
Test Duration:	60
Test Level:	55
Test Level UOM:	ft

Water Details

Water ID:	933967919
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	172
Water Found Depth UOM:	ft

Water Details

Water ID:	933967920
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	198
Water Found Depth UOM:	ft

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Well ID: 6707302 ***Data Entry Status:***

Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	8/18/1980
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2336
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6707302.pdf

Bore Hole Information

Bore Hole ID:	10471356	**Elevation:**	429.081573
DP2BR:	89	**Elevrc:**	
Spatial Status:	Improved	**Zone:**	17
Code OB:	r	**East83:**	551960
Code OB Desc:	Bedrock	**North83:**	4844344
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	7/9/1980	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Elevrc Desc:			
Location Source Date:			

Improvement Location Source: 1999-2004 MOE Water Well Data Improvement Project
Improvement Location Method: GIS
Source Revision Comment: Northing and/or Easting field has been changed. Location estimated from sketch map.
Supplier Comment: Determined to be an improvement rather than a Lot Centroid in December 2009.

Overburden and Bedrock Materials Interval

Formation ID: 932634988
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 89
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932634987
Layer: 1
Color: 6

General Color: BROWN
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 12
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932634989
Layer: 3
Color: 2
General Color: GREY
Mat1: 26
Most Common Material: ROCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 89
Formation End Depth: 118
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966707302
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11019926
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930767029
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 118
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930767028
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	92
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996707302
Pump Set At:	
Static Level:	43
Final Level After Pumping:	65
Recommended Pump Depth:	80
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	12
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934346369
Test Type:	Recovery
Test Duration:	15
Test Level:	43
Test Level UOM:	ft

Water Details

Water ID:	933960436
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	114
Water Found Depth UOM:	ft

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Well ID:	6708835	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	7/14/1987
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3317
Casing Material:		**Form Version:**	1
Audit No:	09503	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	

Flow Rate: ***UTM Reliability:***
Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6708835.pdf

Bore Hole Information

Bore Hole ID:	10472725	***Elevation:***	429.296295
DP2BR:	98	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	551924.2
Code OB Desc:	Bedrock	***North83:***	4844386
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	3
Date Completed:	6/23/1987	***UTMRC Desc:***	margin of error : 10 - 30 m
Remarks:		***Location Method:***	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932640994
Layer:	8
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	100
Formation End Depth:	128
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640991
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	78
Formation End Depth:	96
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640990
Layer:	4

Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	86
Mat2 Desc:	STICKY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	73
Formation End Depth:	78
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640987
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	5
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640992
Layer:	6
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	86
Mat2 Desc:	STICKY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	96
Formation End Depth:	98
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640993
Layer:	7
Color:	
General Color:	
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	98
Formation End Depth:	100
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640988
Layer:	2
Color:	
General Color:	
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	5
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640989
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	8
Formation End Depth:	73
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932640995
Layer:	9
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	128
Formation End Depth:	174
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966708835
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11021295

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930769454
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 174
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930769453
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 104
Casing Diameter: 5
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996708835
Pump Set At:
Static Level: 38
Final Level After Pumping: 70
Recommended Pump Depth: 95
Pumping Rate: 9
Flowing Rate:
Recommended Pump Rate: 9
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934341002
Test Type: Draw Down
Test Duration: 15
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934868888
Test Type: Draw Down
Test Duration: 45
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	935137071
Test Type:	Draw Down
Test Duration:	60
Test Level:	70
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934616128
Test Type:	Draw Down
Test Duration:	30
Test Level:	70
Test Level UOM:	ft

Water Details

Water ID:	933962131
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	140
Water Found Depth UOM:	ft

Water Details

Water ID:	933962132
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	160
Water Found Depth UOM:	ft

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34 ***1 of 1*** ***NE/195.8*** ***425.2 / -3.77*** ***lot 10 con 4 ON*** ***WWIS***

Well ID:	6706784	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/12/1978
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5469
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706784.pdf

Bore Hole Information

Bore Hole ID:	10470855	***Elevation:***	428.377807
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	551964.2
Code OB Desc:	Overburden	***North83:***	4844373
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	8/29/1978	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932632520
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932632524
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28
Formation End Depth:	40
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932632523
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	

Mat3:
Mat3 Desc:
Formation Top Depth: 26
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932632522
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 9
Formation End Depth: 26
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932632521
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 9
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966706784
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11019425
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930766172
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	40
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996706784
Pump Set At:	
Static Level:	9
Final Level After Pumping:	
Recommended Pump Depth:	35
Pumping Rate:	
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Water Details

Water ID:	933959807
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	9
Water Found Depth UOM:	ft

Water Details

Water ID:	933959808
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	26
Water Found Depth UOM:	ft

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35 | ***1 of 1*** | ***NE/198.1*** | ***426.6 / -2.37*** | ***lot 10 con 4 ON*** | ***WWIS***

Well ID:	6705694	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/15/1975
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2519
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	

Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6705694.pdf

Bore Hole Information

Bore Hole ID:	10469783	**Elevation:**	426.037994
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	551864.2
Code OB Desc:	Overburden	**North83:**	4844473
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/4/1975	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932627450
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932627448
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932627449

Layer:	2
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	6
Formation End Depth:	10
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966705694
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11018353
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930764440
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25
Casing Diameter:	30
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996705694
Pump Set At:	
Static Level:	6
Final Level After Pumping:	25
Recommended Pump Depth:	20
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935137008

Test Type:	Recovery
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933958521
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	6
Water Found Depth UOM:	ft

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36 | ***1 of 1*** | ***E/198.2*** | ***425.1 / -3.91*** | ***lot 9 con 4 ON*** | ***WWIS***

Well ID:	6711924	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	3/21/1996
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2336
Casing Material:		**Form Version:**	1
Audit No:	166996	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	009
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6711924.pdf

Bore Hole Information

Bore Hole ID:	10475757	**Elevation:**	428.543457
DP2BR:	76	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	552131.2
Code OB Desc:	Bedrock	**North83:**	4844001
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	1/26/1996	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932654796

Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	55
Formation End Depth:	76
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932654794
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18
Formation End Depth:	25
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932654799
Layer:	7
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	85
Formation End Depth:	110
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932654793
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	18
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932654798
Layer:	6
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	77
Mat2 Desc:	LOOSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	79
Formation End Depth:	85
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932654795
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	25
Formation End Depth:	55
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932654797
Layer:	5
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	76
Formation End Depth:	79
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966711924
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID: 11024327
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930774982
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930774981
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 77
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996711924
Pump Set At:
Static Level: 45
Final Level After Pumping: 48
Recommended Pump Depth: 80
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934341658
Test Type: Recovery
Test Duration: 15
Test Level: 48
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935137189
Test Type: Recovery
Test Duration: 60
Test Level: 45

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934867418
Test Type: Recovery
Test Duration: 45
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934615159
Test Type: Recovery
Test Duration: 30
Test Level: 45
Test Level UOM: ft

Water Details

Water ID: 933966025
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 94
Water Found Depth UOM: ft

Water Details

Water ID: 933966024
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 86
Water Found Depth UOM: ft

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37 | **1 of 1** | **NE/200.5** | **423.4 / -5.59** | **lot 10 con 4 ON** | **WWIS**

Well ID: 6702935
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src: 1
Date Received: 12/7/1966
Selected Flag: Yes
Abandonment Rec:
Contractor: 2519
Form Version: 1
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6702935.pdf

Bore Hole Information

Bore Hole ID:	10467078	***Elevation:***	427.536224
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	551979.2
Code OB Desc:	Overburden	***North83:***	4844365
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/23/1966	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932615842
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932615846
Layer:	5
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	17
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932615844
Layer:	3
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 3
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932615843
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 3
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932615847
Layer: 6
Color:
General Color:
Mat1: 14
Most Common Material: HARDPAN
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 20
Formation End Depth: 30
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932615845
Layer: 4
Color: 3
General Color: BLUE
Mat1: 14
Most Common Material: HARDPAN
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5
Formation End Depth: 17
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966702935

Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11015648
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930759708
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 30
Casing Diameter: 30
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996702935
Pump Set At:
Static Level: 5
Final Level After Pumping: 29
Recommended Pump Depth: 28
Pumping Rate: 2
Flowing Rate:
Recommended Pump Rate: 2
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933955303
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 17
Water Found Depth UOM: ft

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38 | 1 of 1 | E/205.0 | 424.5 / -4.47 | lot 9 con 4 ON | WWIS

Well ID: 6709642
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 37348

Data Entry Status:
Data Src: 1
Date Received: 2/14/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 2336
Form Version: 1
Owner:

Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	009
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6709642.pdf

Bore Hole Information

Bore Hole ID:	10473490	**Elevation:**	428.714019
DP2BR:	84	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	552136.2
Code OB Desc:	Bedrock	**North83:**	4843996
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	3
Date Completed:	1/23/1989	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	gps
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932644386
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932644389
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth:	110
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932644387
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	15
Formation End Depth:	84
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932644388
Layer:	3
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	84
Formation End Depth:	110
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966709642
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11022060
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930770857
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	120
Casing Diameter:	6

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930770856
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	85
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996709642
Pump Set At:	
Static Level:	45
Final Level After Pumping:	65
Recommended Pump Depth:	80
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	12
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934343266
Test Type:	Recovery
Test Duration:	15
Test Level:	45
Test Level UOM:	ft

Water Details

Water ID:	933963094
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	119
Water Found Depth UOM:	ft

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39 ***1 of 1*** ***NE/207.6*** ***425.2 / -3.77*** ***129 RENNIE BLVD lot 10 con 4 BELWOOD ON*** ***WWIS***

Well ID:	6715076	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	9/15/2004
Sec. Water Use:	Cooling And A/C	***Selected Flag:***	Yes
Final Well Status:	Recharge Well	***Abandonment Rec:***	
Water Type:		***Contractor:***	6865
Casing Material:		***Form Version:***	3
Audit No:	Z05772	***Owner:***	

Tag:	A005682	**Street Name:**	129 RENNIE BLVD
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6715076.pdf

Bore Hole Information

Bore Hole ID:	11179713	**Elevation:**	427.773437
DP2BR:	96	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551973
Code OB Desc:	Bedrock	**North83:**	4844381
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3
Date Completed:	8/25/2004	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932990606
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	44.2
Formation End Depth:	62.8
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932990605
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth:	32
Formation End Depth:	44.2
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932990604
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	29.3
Formation End Depth:	32
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932990602
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3.7
Formation End Depth:	21
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932990601
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	3.7
Formation End Depth UOM:	m

Overburden and Bedrock Materials Interval

Formation ID:	932990603
Layer:	3
Color:	2
General Color:	GREY

Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 21
Formation End Depth: 29.3
Formation End Depth UOM: m

Annular Space/Abandonment Sealing Record

Plug ID: 933262786
Layer: 1
Plug From: 0
Plug To: 30
Plug Depth UOM: m

Method of Construction & Well Use

Method Construction ID: 966715076
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11188232
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930852945
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 30.8
Depth To: 62.8
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM: m

Construction Record - Casing

Casing ID: 930852944
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -.5
Depth To: 30.8
Casing Diameter: 15.9
Casing Diameter UOM: cm
Casing Depth UOM: m

Results of Well Yield Testing

Pump Test ID: 11194606

Pump Set At:	30
Static Level:	12.67
Final Level After Pumping:	14.58
Recommended Pump Depth:	20
Pumping Rate:	60
Flowing Rate:	
Recommended Pump Rate:	40
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	11215239
Test Type:	Draw Down
Test Duration:	25
Test Level:	14.77
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11215234
Test Type:	Draw Down
Test Duration:	4
Test Level:	14.46
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11215228
Test Type:	Draw Down
Test Duration:	1
Test Level:	13.8
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11215230
Test Type:	Draw Down
Test Duration:	2
Test Level:	14.23
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11215236
Test Type:	Draw Down
Test Duration:	10
Test Level:	14.58
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11215241
Test Type:	Draw Down
Test Duration:	40

Test Level: 14.64
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11215240
Test Type: Draw Down
Test Duration: 30
Test Level: 14.78
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11215231
Test Type: Recovery
Test Duration: 2
Test Level: 12.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11215235
Test Type: Draw Down
Test Duration: 5
Test Level: 14.49
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11215233
Test Type: Recovery
Test Duration: 3
Test Level: 12.67
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11215232
Test Type: Draw Down
Test Duration: 3
Test Level: 14.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11215238
Test Type: Draw Down
Test Duration: 20
Test Level: 14.73
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11215237
Test Type: Draw Down
Test Duration: 15
Test Level: 14.65
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	11215243
Test Type:	Draw Down
Test Duration:	60
Test Level:	14.58
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11215229
Test Type:	Recovery
Test Duration:	1
Test Level:	12.82
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	11215242
Test Type:	Draw Down
Test Duration:	50
Test Level:	14.54
Test Level UOM:	m

Water Details

Water ID:	934057211
Layer:	1
Kind Code:	
Kind:	
Water Found Depth:	62
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11314126
Diameter:	15.6
Depth From:	30.8
Depth To:	62.8
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11314125
Diameter:	22.5
Depth From:	0
Depth To:	6.4
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	11314127
Diameter:	20
Depth From:	6.4
Depth To:	30.8
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
40	1 of 1	NE/213.8	425.6 / -3.38	lot 10 con 4 ON	WWIS

Well ID:	6712869	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	1/14/1999
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	3317
Casing Material:		**Form Version:**	1
Audit No:	191983	**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/671\6712869.pdf

Bore Hole Information

Bore Hole ID:	10476702	**Elevation:**	427.984405
DP2BR:	96	**Elevrc:**	
Spatial Status:	Improved	**Zone:**	17
Code OB:	r	**East83:**	551954
Code OB Desc:	Bedrock	**North83:**	4844408
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	7/13/1998	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:	1999-2004 MOE Water Well Data Improvement Project		
Improvement Location Method:	GIS		
Source Revision Comment:	Northing and/or Easting field has been changed. Location estimated from sketch map.		
Supplier Comment:	Determined to be an improvement rather than a Lot Centroid in December 2009.		

Overburden and Bedrock Materials Interval

Formation ID:	932659352
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	96
Formation End Depth:	184
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 932659349
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 16
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932659350
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932659348
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932659351
Layer: 4
Color:
General Color:
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 90

Formation End Depth: 96
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966712869
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11025272
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930776686
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 100
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930776687
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 184
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996712869
Pump Set At:
Static Level: 37
Final Level After Pumping: 80
Recommended Pump Depth: 135
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID:	934870675
Test Type:	Draw Down
Test Duration:	45
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934618411
Test Type:	Draw Down
Test Duration:	30
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	935131726
Test Type:	Draw Down
Test Duration:	60
Test Level:	80
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934353413
Test Type:	Draw Down
Test Duration:	15
Test Level:	80
Test Level UOM:	ft

Water Details

Water ID:	933967427
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	175
Water Found Depth UOM:	ft

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41 ***1 of 1*** ***SSE/220.1*** ***429.9 / 0.89*** ***lot 9 con 3 ON*** ***WWIS***

Well ID:	1702651	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	6/11/1980
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	3406
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	DUFFERIN
Elevation (m):		***Municipality:***	EAST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	009
Well Depth:		***Concession:***	03
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	

Flow Rate:
Clear/Cloudy:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/170\1702651.pdf

Bore Hole Information

Bore Hole ID:	10061360	**Elevation:**	430.187072
DP2BR:	72	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551794.2
Code OB Desc:	Bedrock	**North83:**	4843397
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	4/5/1980	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931106088
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	16
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931106095
Layer:	8
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	134
Formation End Depth:	142
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931106089
Layer:	2

Color:
General Color:
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 16
Formation End Depth: 28
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931106091
Layer: 4
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 41
Formation End Depth: 72
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931106094
Layer: 7
Color: 1
General Color: WHITE
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 126
Formation End Depth: 134
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931106093
Layer: 6
Color: 1
General Color: WHITE
Mat1: 18
Most Common Material: SANDSTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 117
Formation End Depth: 126
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID:	931106090
Layer:	3
Color:	
General Color:	
Mat1:	12
Most Common Material:	STONES
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28
Formation End Depth:	41
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931106092
Layer:	5
Color:	3
General Color:	BLUE
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	72
Formation End Depth:	117
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961702651
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	10609930
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930112359
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	74
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930112360
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	142
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930112358
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	32
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	991702651
Pump Set At:	
Static Level:	39
Final Level After Pumping:	105
Recommended Pump Depth:	105
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	7
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934113257
Test Type:	Draw Down
Test Duration:	15
Test Level:	90
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934396237
Test Type:	Draw Down
Test Duration:	30
Test Level:	105
Test Level UOM:	ft

Water Details

Water ID:	933501170

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	140
Water Found Depth UOM:	ft

42 **1 of 1** **NE/225.7** **425.6 / -3.41** **lot 10 con 4 ON** **WWIS**

Well ID:	6705695	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	9/15/1975
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2519
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	010
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6705695.pdf

Bore Hole Information

Bore Hole ID:	10469784	**Elevation:**	426.483398
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	o	**East83:**	551914.2
Code OB Desc:	Overburden	**North83:**	4844463
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/4/1975	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932627451
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Formation Top Depth: 0
Formation End Depth: 6
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932627453
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 25
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932627452
Layer: 2
Color: 2
General Color: GREY
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6
Formation End Depth: 10
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966705695
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11018354
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930764441
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 25
Casing Diameter: 30

Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996705695
Pump Set At:	
Static Level:	6
Final Level After Pumping:	25
Recommended Pump Depth:	20
Pumping Rate:	3
Flowing Rate:	
Recommended Pump Rate:	3
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	935137983
Test Type:	Recovery
Test Duration:	60
Test Level:	20
Test Level UOM:	ft

Water Details

Water ID:	933958522
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	6
Water Found Depth UOM:	ft

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43 | ***1 of 1*** | ***E/227.2*** | ***430.5 / 1.54*** | ***6528 THIRD LINE lot 9 con 3 FERGUS ON*** | ***WWIS***

Well ID:	7179341	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Domestic	**Date Received:**	4/16/2012
Sec. Water Use:		**Selected Flag:**	Yes
Final Well Status:	Abandoned-Supply	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7221
Casing Material:		**Form Version:**	7
Audit No:	Z143812	**Owner:**	
Tag:		**Street Name:**	6528 THIRD LINE
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	009
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7179341.pdf

Bore Hole Information

Bore Hole ID:	1003710510	***Elevation:***	431.296417
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	552069
Code OB Desc:		***North83:***	4843873
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	3/1/2012	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1004247295
Layer:	1
Plug From:	35.1
Plug To:	0
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004247294
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1004247287
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004247291
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0
Depth To:	35.1
Casing Diameter:	10.16
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004247292
Layer:	

Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter:

Water Details

Water ID: 1004247290
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: m

Hole Diameter

Hole ID: 1004247289
Diameter:
Depth From:
Depth To:
Hole Depth UOM: m
Hole Diameter UOM: cm

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44 | ***1 of 1*** | ***E/228.5*** | ***429.3 / 0.33*** | ***6928 THIRD LINE lot 9 con 3 FERGUS ON*** | ***WWIS***

Well ID: 7172623
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: Livestock
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z137824
Tag: A104425
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 11/29/2011
Selected Flag: Yes
Abandonment Rec:
Contractor: 7221
Form Version: 7
Owner:
Street Name: 6928 THIRD LINE
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 009
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7172623.pdf

Bore Hole Information

Bore Hole ID: 1003614326
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/26/2011

Elevation: 431.295562
Elevrc:
Zone: 17
East83: 552115
North83: 4843929
Org CS: UTM83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m

Remarks: ***Location Method:*** wwr
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 1004114076
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 1.5
Formation End Depth: 3.7
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004114078
Layer: 4
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 28.3
Formation End Depth: 41.2
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID: 1004114077
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 3.7
Formation End Depth: 28.3
Formation End Depth UOM: m

Overburden and Bedrock Materials Interval

Formation ID:	1004114075
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1.5
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004114116
Layer:	1
Plug From:	
Plug To:	
Plug Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1004114117
Layer:	1
Plug From:	0
Plug To:	10
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	1004114115
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1004114073
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004114084
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-.6
Depth To:	29.9
Casing Diameter:	16
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Casing

Casing ID:	1004114085
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	29.4
Depth To:	41.2
Casing Diameter:	15.6
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1004114086
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1004114074
Pump Set At:	33.5
Static Level:	16.32
Final Level After Pumping:	28.38
Recommended Pump Depth:	33.5
Pumping Rate:	45
Flowing Rate:	
Recommended Pump Rate:	45
Levels UOM:	m
Rate UOM:	LPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1004114089
Test Type:	Draw Down
Test Duration:	2
Test Level:	20.15
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004114101
Test Type:	Draw Down
Test Duration:	20
Test Level:	27.61
Test Level UOM:	m

Draw Down & Recovery

Pump Test Detail ID:	1004114108
Test Type:	Recovery
Test Duration:	40

Test Level: 16.58
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114096
Test Type: Recovery
Test Duration: 5
Test Level: 20.82
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114095
Test Type: Draw Down
Test Duration: 5
Test Level: 23.51
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114107
Test Type: Draw Down
Test Duration: 40
Test Level: 28.22
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114090
Test Type: Recovery
Test Duration: 2
Test Level: 24.42
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114109
Test Type: Draw Down
Test Duration: 50
Test Level: 28.32
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114093
Test Type: Draw Down
Test Duration: 4
Test Level: 22.89
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114098
Test Type: Recovery
Test Duration: 10
Test Level: 18.36
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114094
Test Type: Recovery
Test Duration: 4
Test Level: 21.83
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114103
Test Type: Draw Down
Test Duration: 25
Test Level: 27.88
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114105
Test Type: Draw Down
Test Duration: 30
Test Level: 27.98
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114099
Test Type: Draw Down
Test Duration: 15
Test Level: 27.1
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114110
Test Type: Recovery
Test Duration: 50
Test Level: 16.51
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114087
Test Type: Draw Down
Test Duration: 1
Test Level: 18.44
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114111
Test Type: Draw Down
Test Duration: 60
Test Level: 28.38
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114088
Test Type: Recovery

Test Duration: 1
Test Level: 25.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114092
Test Type: Recovery
Test Duration: 3
Test Level: 22.64
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114100
Test Type: Recovery
Test Duration: 15
Test Level: 17.46
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114112
Test Type: Recovery
Test Duration: 60
Test Level: 16.43
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114097
Test Type: Draw Down
Test Duration: 10
Test Level: 26.06
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114104
Test Type: Recovery
Test Duration: 25
Test Level: 16.82
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114102
Test Type: Recovery
Test Duration: 20
Test Level: 17.06
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 1004114106
Test Type: Recovery
Test Duration: 30
Test Level: 16.66
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID:	1004114091
Test Type:	Draw Down
Test Duration:	3
Test Level:	21.62
Test Level UOM:	m

Water Details

Water ID:	1004114082
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	41
Water Found Depth UOM:	m

Water Details

Water ID:	1004114083
Layer:	2
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	1004114079
Diameter:	25
Depth From:	0
Depth To:	6.5
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004114080
Diameter:	20
Depth From:	6.5
Depth To:	29.9
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Hole Diameter

Hole ID:	1004114081
Diameter:	15.6
Depth From:	29.9
Depth To:	41.2
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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45 ***1 of 1*** ***SSW/237.0*** ***426.9 / -2.11*** ***lot 9 con 3 ON*** ***WWIS***

Well ID:	6706640	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	2/21/1978
Sec. Water Use:	0	***Selected Flag:***	Yes

Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2332
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	009
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706640.pdf

Bore Hole Information

Bore Hole ID:	10470716	**Elevation:**	425.722106
DP2BR:	74	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551414.2
Code OB Desc:	Bedrock	**North83:**	4842973
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	6/9/1977	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932631804
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932631806
Layer:	3
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK

Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 74
Formation End Depth: 215
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932631805
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 15
Formation End Depth: 74
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966706640
Method Construction Code: 2
Method Construction: Rotary (Convent.)
Other Method Construction:

Pipe Information

Pipe ID: 11019286
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930765944
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 215
Casing Diameter: 4
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930765943
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 81
Casing Diameter: 4
Casing Diameter UOM: inch

Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996706640
Pump Set At:
Static Level: 33
Final Level After Pumping: 47
Recommended Pump Depth: 65
Pumping Rate: 7
Flowing Rate:
Recommended Pump Rate: 7
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934620413
Test Type: Recovery
Test Duration: 30
Test Level: 33
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934874334
Test Type: Recovery
Test Duration: 45
Test Level: 33
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934344744
Test Type: Recovery
Test Duration: 15
Test Level: 34
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935131454
Test Type: Recovery
Test Duration: 60
Test Level: 33
Test Level UOM: ft

Water Details

Water ID: 933959617
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 195
Water Found Depth UOM: ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
46	1 of 1	NW/237.9	431.0 / 1.99	lot 11 con 3 ON	WWIS

Well ID:	6702915	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Livestock	**Date Received:**	1/18/1951
Sec. Water Use:	Domestic	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2521
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	011
Well Depth:		**Concession:**	03
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6702915.pdf

Bore Hole Information

Bore Hole ID:	10467058	**Elevation:**	431.782196
DP2BR:	120	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	551161.2
Code OB Desc:	Bedrock	**North83:**	4844380
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	1/12/1951	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	p9
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932615756
Layer:	2
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932615755
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932615757
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	120
Formation End Depth:	156
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966702915
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	11015628
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930759679
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	156
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930759678
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	125
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996702915
Pump Set At:	
Static Level:	23
Final Level After Pumping:	30
Recommended Pump Depth:	
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933955280
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	156
Water Found Depth UOM:	ft

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47 ***1 of 1*** ***E/238.4*** ***422.5 / -6.48*** ***73 3RD LINE ROAD BELWOOD ON*** ***WWIS***

Well ID:	7294234	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Public	***Date Received:***	9/6/2017
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	7556
Casing Material:		***Form Version:***	7
Audit No:	Z266393	***Owner:***	
Tag:	A232219	***Street Name:***	73 3RD LINE ROAD
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	
Well Depth:		***Concession:***	
Overburden/Bedrock:		***Concession Name:***	
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map):

Bore Hole Information

Bore Hole ID:	1006719241	***Elevation:***	425.890502
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:		***East83:***	552180
Code OB Desc:		***North83:***	4844008
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	5
Date Completed:	8/30/2017	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	gis
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006873746
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	30
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006873747
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	30
Formation End Depth:	80
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006873748
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11

Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	80
Formation End Depth:	84
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006873778
Layer:	1
Plug From:	0
Plug To:	20
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006873777
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	DUAL ROTARY

Pipe Information

Pipe ID:	1006873744
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006873752
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2
Depth To:	84
Casing Diameter:	6.125
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006873753
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID:	1006873745
Pump Set At:	74

Static Level:	31.4
Final Level After Pumping:	64.6
Recommended Pump Depth:	74
Pumping Rate:	5
Flowing Rate:	
Recommended Pump Rate:	5
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	1006873760
Test Type:	Draw Down
Test Duration:	4
Test Level:	47.4
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006873773
Test Type:	Draw Down
Test Duration:	40
Test Level:	55.7
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006873775
Test Type:	Draw Down
Test Duration:	60
Test Level:	55.8
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006873761
Test Type:	Recovery
Test Duration:	4
Test Level:	48
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006873769
Test Type:	Recovery
Test Duration:	20
Test Level:	34.6
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006873757
Test Type:	Recovery
Test Duration:	2
Test Level:	53.2

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873759
Test Type: Recovery
Test Duration: 3
Test Level: 50.3
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873767
Test Type: Recovery
Test Duration: 15
Test Level: 37.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873758
Test Type: Draw Down
Test Duration: 3
Test Level: 46.6
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873768
Test Type: Draw Down
Test Duration: 20
Test Level: 52.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873763
Test Type: Recovery
Test Duration: 5
Test Level: 46.2
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873754
Test Type: Draw Down
Test Duration: 1
Test Level: 41
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873771
Test Type: Recovery
Test Duration: 25
Test Level: 31.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873765
Test Type: Recovery
Test Duration: 10
Test Level: 41.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873766
Test Type: Draw Down
Test Duration: 15
Test Level: 51.4
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873770
Test Type: Draw Down
Test Duration: 25
Test Level: 52.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873762
Test Type: Draw Down
Test Duration: 5
Test Level: 48.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873774
Test Type: Draw Down
Test Duration: 50
Test Level: 55.7
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873764
Test Type: Draw Down
Test Duration: 10
Test Level: 50.6
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873772
Test Type: Draw Down
Test Duration: 30
Test Level: 52.75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006873755
Test Type: Recovery
Test Duration: 1

Test Level:	59.1
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1006873756
Test Type:	Draw Down
Test Duration:	2
Test Level:	45
Test Level UOM:	ft

Water Details

Water ID:	1006873751
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	84
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006873750
Diameter:	6.625
Depth From:	20
Depth To:	84
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1006873749
Diameter:	10
Depth From:	0
Depth To:	20
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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48 | ***1 of 1*** | ***E/241.0*** | ***423.8 / -5.21*** | ***lot 9 con 4 ON*** | ***WWIS***

Well ID:	6706452	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	8/8/1977
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	2336
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	009
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6706452.pdf

Bore Hole Information

Bore Hole ID:	10470530	***Elevation:***	429.13153
DP2BR:	87	***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	r	***East83:***	552164.2
Code OB Desc:	Bedrock	***North83:***	4843973
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	7/14/1977	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932630899
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	87
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932630898
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Mat2 Desc:	SAND
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	1
Formation End Depth:	87
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932630897
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02

Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	1
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966706452
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11019100
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930765650
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	120
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930765649
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	91
Casing Diameter:	5
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996706452
Pump Set At:	
Static Level:	52
Final Level After Pumping:	78
Recommended Pump Depth:	90
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR

Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933959408
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 100
Water Found Depth UOM: ft

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49 | **1 of 1** | **NE/250.2** | **424.7 / -4.31** | **lot 10 con 4 ON** | **WWIS**

Well ID: 7170379
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z130442
Tag: A115054
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Data Entry Status:
Data Src:
Date Received: 10/24/2011
Selected Flag: Yes
Abandonment Rec:
Contractor: 7154
Form Version: 7
Owner:
Street Name:
County: WELLINGTON
Municipality: WEST GARAFRAXA TOWNSHIP
Site Info:
Lot: 010
Concession: 04
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7170379.pdf

Bore Hole Information

Bore Hole ID: 1003588260
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 10/13/2011
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation: 426.058959
Elevrc:
Zone: 17
East83: 551937
North83: 4844475
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1004026642

Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	37
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004026645
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	84
Mat2 Desc:	SILTY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	143
Formation End Depth:	196
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004026646
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	196
Formation End Depth:	208
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004026644
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	
Mat3 Desc:	
Formation Top Depth:	112
Formation End Depth:	143
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1004026643
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	37
Formation End Depth:	112
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1004026663
Layer:	1
Plug From:	0
Plug To:	198
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1004026662
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1004026640
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1004026651
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	198
Depth To:	208
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1004026650
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0

Depth To: 198
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1004026652
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1004026641
Pump Set At: 80
Static Level: 42
Final Level After Pumping: 65
Recommended Pump Depth: 80
Pumping Rate: 15
Flowing Rate:
Recommended Pump Rate: 15
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1004026659
Test Type: Draw Down
Test Duration: 60
Test Level: 65
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004026658
Test Type: Recovery
Test Duration: 15
Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004026656
Test Type: Recovery
Test Duration: 10
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004026654
Test Type: Recovery
Test Duration: 5
Test Level: 49
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004026653
Test Type: Draw Down
Test Duration: 5
Test Level: 56
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004026660
Test Type: Recovery
Test Duration: 60
Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004026655
Test Type: Draw Down
Test Duration: 10
Test Level: 61
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1004026657
Test Type: Draw Down
Test Duration: 15
Test Level: 65
Test Level UOM: ft

Water Details

Water ID: 1004026649
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 205
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1004026647
Diameter: 8.75
Depth From: 0
Depth To: 198
Hole Depth UOM: ft
Hole Diameter UOM: inch

Hole Diameter

Hole ID: 1004026648

Diameter:	6
Depth From:	198
Depth To:	208
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

50 **1 of 1** **E/258.1** **422.5 / -6.51** **lot 9 con 4 ON** **WWIS**

Well ID:	6705285	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	10/7/1974
Sec. Water Use:	0	**Selected Flag:**	Yes
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2336
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	WELLINGTON
Elevation (m):		**Municipality:**	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	009
Well Depth:		**Concession:**	04
Overburden/Bedrock:		**Concession Name:**	CON
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6705285.pdf

Bore Hole Information

Bore Hole ID:	10469380	**Elevation:**	421.526062
DP2BR:	70	**Elevrc:**	
Spatial Status:		**Zone:**	17
Code OB:	r	**East83:**	552216.2
Code OB Desc:	Bedrock	**North83:**	4844062
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	9/20/1974	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932625677
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	26
Most Common Material:	ROCK
Mat2:	71
Mat2 Desc:	FRACTURED
Mat3:	
Mat3 Desc:	

Formation Top Depth: 70
Formation End Depth: 82
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932625679
Layer: 6
Color: 6
General Color: BROWN
Mat1: 26
Most Common Material: ROCK
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 155
Formation End Depth: 170
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932625675
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 1
Formation End Depth: 23
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932625674
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 1
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932625676
Layer: 3
Color: 2
General Color: GREY

Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23
Formation End Depth:	70
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	932625678
Layer:	5
Color:	2
General Color:	GREY
Mat1:	26
Most Common Material:	ROCK
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	82
Formation End Depth:	155
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	966705285
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	11017950
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930763797
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	90
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930763798
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	170

Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996705285
Pump Set At:	
Static Level:	29
Final Level After Pumping:	50
Recommended Pump Depth:	60
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934341381
Test Type:	Recovery
Test Duration:	15
Test Level:	29
Test Level UOM:	ft

Water Details

Water ID:	933958051
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	170
Water Found Depth UOM:	ft

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51 ***1 of 1*** ***E/264.7*** ***429.1 / 0.18*** ***lot 9 con 4 ON*** ***WWIS***

Well ID:	7319355	***Data Entry Status:***	
Construction Date:		***Data Src:***	
Primary Water Use:	Domestic	***Date Received:***	9/25/2018
Sec. Water Use:		***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	7154
Casing Material:		***Form Version:***	7
Audit No:	Z287035	***Owner:***	
Tag:	A235533	***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	009
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/731\7319355.pdf

Bore Hole Information

Bore Hole ID: 1007294316
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 8/7/2018
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 17
East83: 552150
North83: 4843915
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: digit

Overburden and Bedrock Materials Interval

Formation ID: 1007520643
Layer: 1
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 35
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007520644
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 35
Formation End Depth: 89
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1007520645
Layer: 3
Color: 2

General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	89
Formation End Depth:	178
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1007520672
Layer:	1
Plug From:	0
Plug To:	94
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1007520671
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1007520641
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1007520650
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	94
Depth To:	178
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1007520649
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	0
Depth To:	94
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID: 1007520651
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Results of Well Yield Testing

Pump Test ID: 1007520642
Pump Set At: 100
Static Level: 45
Final Level After Pumping: 78
Recommended Pump Depth: 100
Pumping Rate: 8
Flowing Rate:
Recommended Pump Rate: 8
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1007520661
Test Type: Recovery
Test Duration: 25
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520664
Test Type: Draw Down
Test Duration: 40
Test Level: 78
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520667
Test Type: Recovery
Test Duration: 50
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520652
Test Type: Draw Down
Test Duration: 5
Test Level: 64
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520654
Test Type: Draw Down
Test Duration: 10
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520659
Test Type: Recovery
Test Duration: 20
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520660
Test Type: Draw Down
Test Duration: 25
Test Level: 76
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520662
Test Type: Draw Down
Test Duration: 30
Test Level: 77
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520665
Test Type: Recovery
Test Duration: 40
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520656
Test Type: Draw Down
Test Duration: 15
Test Level: 74
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520658
Test Type: Draw Down
Test Duration: 20
Test Level: 76
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520657
Test Type: Recovery

Test Duration: 15
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520653
Test Type: Recovery
Test Duration: 5
Test Level: 49
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520663
Test Type: Recovery
Test Duration: 30
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520666
Test Type: Draw Down
Test Duration: 50
Test Level: 78
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520668
Test Type: Draw Down
Test Duration: 60
Test Level: 78
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520669
Test Type: Recovery
Test Duration: 60
Test Level: 45
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1007520655
Test Type: Recovery
Test Duration: 10
Test Level: 46
Test Level UOM: ft

Water Details

Water ID: 1007520648
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 174
Water Found Depth UOM: ft

Hole Diameter

Hole ID:	1007520647
Diameter:	6
Depth From:	94
Depth To:	178
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1007520646
Diameter:	8.75
Depth From:	0
Depth To:	94
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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52 ***1 of 1*** ***NE/297.0*** ***422.2 / -6.74*** ***lot 10 con 4 ON*** ***WWIS***

Well ID:	6702928	***Data Entry Status:***	
Construction Date:		***Data Src:***	1
Primary Water Use:	Domestic	***Date Received:***	1/24/1966
Sec. Water Use:	0	***Selected Flag:***	Yes
Final Well Status:	Water Supply	***Abandonment Rec:***	
Water Type:		***Contractor:***	5001
Casing Material:		***Form Version:***	1
Audit No:		***Owner:***	
Tag:		***Street Name:***	
Construction Method:		***County:***	WELLINGTON
Elevation (m):		***Municipality:***	WEST GARAFRAXA TOWNSHIP
Elevation Reliability:		***Site Info:***	
Depth to Bedrock:		***Lot:***	010
Well Depth:		***Concession:***	04
Overburden/Bedrock:		***Concession Name:***	CON
Pump Rate:		***Easting NAD83:***	
Static Water Level:		***Northing NAD83:***	
Flowing (Y/N):		***Zone:***	
Flow Rate:		***UTM Reliability:***	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/670\6702928.pdf

Bore Hole Information

Bore Hole ID:	10467071	***Elevation:***	425.002288
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	17
Code OB:	o	***East83:***	551998.2
Code OB Desc:	Overburden	***North83:***	4844481
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	11/20/1965	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID: 932615823
Layer: 2
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2: 09
Mat2 Desc: MEDIUM SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 2
Formation End Depth: 10
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932615824
Layer: 3
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3:
Mat3 Desc:
Formation Top Depth: 10
Formation End Depth: 33
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932615825
Layer: 4
Color:
General Color:
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 33
Formation End Depth: 35
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 932615822
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:

Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 2
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 966702928
Method Construction Code: 6
Method Construction: Boring
Other Method Construction:

Pipe Information

Pipe ID: 11015641
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930759700
Layer: 1
Material: 3
Open Hole or Material: CONCRETE
Depth From:
Depth To: 35
Casing Diameter: 36
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 996702928
Pump Set At:
Static Level: 25
Final Level After Pumping:
Recommended Pump Depth: 32
Pumping Rate:
Flowing Rate:
Recommended Pump Rate: 2
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method:
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Water Details

Water ID: 933955295
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 25
Water Found Depth UOM: ft

Unplottable Summary

Total: 10 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
PTTW	883890 Ontario Ltd.	Lot 11, Concession 3 GARAFRAXA	ON	
PTTW	883890 Ontario Ltd.	North half of Lot 11, Concession 3 GARAFRAXA	ON	
PTTW	883890 Ontario Limited	Lot 11, Concession 3, Township of Centre Wellington, County of Wellington TOWNSHIP OF CENTRE WELLINGTON	ON	
PTTW	883890 Ontario Limited	883890 Ontario Limited o/a Fergus Golf Club Address: Lot: 11, Concession: 3, West Garafraxa, Centre Wellington Township, County of Wellington District	Office: Guelph TOWNSHIP OF CENTRE WELLINGTON ON	
PTTW	Golf North Properties Inc. o/a Fairview Golf Club	Lot 10, Concession 3, Geographic Township of West Garafraxa, Centre Wellington, Wellington County GARAFRAXA	ON	
PTTW	883890 Ontario Ltd.	Lot 10, Concession 3 GARAFRAXA	ON	
SCT	Goose & Gander	Nichol 2nd Line	Elora ON	N0B 1S0
SPL	PRIVATE RESIDENCE	#46 (911 LOCATOR NUMBER) WELLINGTON COUNTY RD 19 BELWOOD FURNACE OIL TANK	CENTRE WELLINGTON TOWNSHIP ON	
SPL	PRIVATE RESIDENCE	COUNTY RD 19 BETWEEN ELORA AND FERGUS. (N.O.S.)	CENTRE WELLINGTON TOWNSHIP ON	
SPL		County Rd. 18 and Second Line<UNOFFICIAL>	Centre Wellington ON	

Unplottable Report

Site: ***883890 Ontario Ltd.***
Lot 11, Concession 3 GARAFRAXA ON

Database: ***PTTW***

EBR Registry No: IA9E1134
Ministry Ref No: 23007946
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 30, 2000
Proposal Date: September 22, 1999
Year: 1999
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 883890 Ontario Ltd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: Division of Golf North Properties Inc., R.R. 32 Kossuth Road, Cambridge Ontario, N3H 4R7
Comment Period:
URL:

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

Site Location Details:

Lot 11, Concession 3 GARAFRAXA

Site: ***883890 Ontario Ltd.***
North half of Lot 11, Concession 3 GARAFRAXA ON

Database: ***PTTW***

EBR Registry No: IA9E0998
Ministry Ref No: 23007481
Notice Type: Instrument Decision
Notice Stage:
Notice Date: October 30, 2000
Proposal Date: August 20, 1999
Year: 1999
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 883890 Ontario Ltd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: Division of Golf North Properties Inc., R.R. 32 Kossuth Road, Cambridge Ontario, N3H 4R7
Comment Period:
URL:

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

Site Location Details:

North half of Lot 11, Concession 3 GARAFRAXA

Site: ***883890 Ontario Limited***
Lot 11, Concession 3, Township of Centre Wellington, County of Wellington TOWNSHIP OF CENTRE WELLINGTON ON

Database: ***PTTW***

EBR Registry No: 011-1873
Ministry Ref No: 0177-8BWRKQ
Notice Type: Instrument Decision
Notice Stage:
Notice Date: January 23, 2015
Proposal Date: December 07, 2010
Year: 2010
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 883890 Ontario Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 400 Golf Course Road, Conestogo Ontario, Canada N0B 1N0
Comment Period:
URL:

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

Site Location Details:

Lot 11, Concession 3, Township of Centre Wellington, County of Wellington TOWNSHIP OF CENTRE WELLINGTON

Site: ***883890 Ontario Limited***
883890 Ontario Limited o/a Fergus Golf Club Address: Lot: 11, Concession: 3, West Garafraxa, Centre Wellington Township, County of Wellington District Office: Guelph TOWNSHIP OF CENTRE WELLINGTON ON

Database: ***PTTW***

EBR Registry No: 011-3520
Ministry Ref No: 0413-8GRKD8
Notice Type: Instrument Decision
Notice Stage:
Notice Date: July 04, 2016
Proposal Date: May 16, 2011
Year: 2011
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 883890 Ontario Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 400 Golf Course Road, Conestogo Ontario, Canada N0B 1N0
Comment Period:
URL:

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

Site Location Details:

883890 Ontario Limited o/a Fergus Golf Club Address: Lot: 11, Concession: 3, West Garafraxa, Centre Wellington Township, County of Wellington District Office: Guelph TOWNSHIP OF CENTRE WELLINGTON

Site: ***Golf North Properties Inc. o/a Fairview Golf Club***
Lot 10, Concession 3, Geographic Township of West Garafraxa, Centre Wellington, Wellington County GARAFRAXA ON

Database: ***PTTW***

EBR Registry No: IA05E1077
Ministry Ref No: 4012-6E3QLX
Notice Type: Instrument Decision
Notice Stage:
Notice Date: March 06, 2006
Proposal Date: July 15, 2005
Year: 2005
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: Golf North Properties Inc. o/a Fairview Golf Club

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

Site Address:
Location Other:
Proponent Name:
Proponent Address: 8243 County Road 19, Fergus Ontario, N1M 2R3
Comment Period:
URL:

Site Location Details:

Lot 10, Concession 3, Geographic Township of West Garafraxa, Centre Wellington, Wellington County GARAFRAXA

Site: ***883890 Ontario Ltd.***
Lot 10, Concession 3 GARAFRAXA ON

Database: ***PTTW***

EBR Registry No: IA9E1135
Ministry Ref No: 23007945
Notice Type: Instrument Decision
Notice Stage:
Notice Date: August 30, 2001
Proposal Date: September 22, 1999
Year: 1999
Instrument Type: (OWRA s. 34) - Permit to Take Water
Off Instrument Name:
Posted By:
Company Name: 883890 Ontario Ltd.
Site Address:
Location Other:
Proponent Name:
Proponent Address: Division of Golf North Properties Inc., R.R. 32 Kossuth Road, Cambridge Ontario, N3H 4R7
Comment Period:
URL:

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

Site Location Details:

Lot 10, Concession 3 GARAFRAXA

Site: ***Goose & Gander***
Nichol 2nd Line Elora ON N0B 1S0

Database: ***SCT***

Established: 1970
Plant Size (ft²):
Employment: 1

--Details--
Description: Wood Kitchen Cabinet and Counter Top Manufacturing
SIC/NAICS Code: 337110

Site: ***PRIVATE RESIDENCE***
#46 (911 LOCATOR NUMBER) WELLINGTON COUNTY RD 19 BELWOOD FURNACE OIL TANK CENTRE WELLINGTON TOWNSHIP ON

Database: ***SPL***

Ref No: 197177
Site No:
Incident Dt: 1/30/2001
Year:
Incident Cause: PIPE/HOSE LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:

Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	75614
Nature of Impact:	Soil contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	3/28/2001	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	ICE, FROST DAMAGE	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	FURNACE OIL TANK: FURNACEOIL TANK LEAK TO GROUND CLEANING UP.		
Contaminant Qty:			

Site: ***PRIVATE RESIDENCE***
COUNTY RD 19 BETWEEN ELORA AND FERGUS. (N.O.S.) CENTRE WELLINGTON TOWNSHIP ON

Database: ***SPL***

Ref No:	231612	***Discharger Report:***	
Site No:		***Material Group:***	
Incident Dt:	7/10/2002	***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	WASTEWATER DISCHARGE TO WATERCOURSE	***Sector Type:***	
Incident Event:		***Agency Involved:***	
Contaminant Code:		***Nearest Watercourse:***	
Contaminant Name:		***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	POSSIBLE	***Site Municipality:***	75614
Nature of Impact:	Water course or lake	***Site Lot:***	
Receiving Medium:	WATER	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:		***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	
MOE Reported Dt:	7/11/2002	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:	CARELESS APPLICATION	***Source Type:***	
Site Name:			
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	PRIVATE RES:CLAY MATERIALRUNNING DOWN BANK TO GRA-ND RIVER, NO IMPACT		
Contaminant Qty:			

Site:
County Rd. 18 and Second Line<UNOFFICIAL> Centre Wellington ON

Database: ***SPL***

Ref No:	0305-74CTHL	***Discharger Report:***	
Site No:		***Material Group:***	Oil
Incident Dt:		***Health/Env Conseq:***	
Year:		***Client Type:***	
Incident Cause:	Pipe Or Hose Leak	***Sector Type:***	Other Motor Vehicle
Incident Event:		***Agency Involved:***	
Contaminant Code:	15	***Nearest Watercourse:***	
Contaminant Name:	HYDRAULIC OIL	***Site Address:***	
Contaminant Limit 1:		***Site District Office:***	
Contam Limit Freq 1:		***Site Postal Code:***	
Contaminant UN No 1:		***Site Region:***	
Environment Impact:	Confirmed	***Site Municipality:***	Centre Wellington
Nature of Impact:	Soil Contamination	***Site Lot:***	
Receiving Medium:	Land	***Site Conc:***	
Receiving Env:		***Northing:***	
MOE Response:	No Field Response	***Easting:***	
Dt MOE Arvl on Scn:		***Site Geo Ref Accu:***	

MOE Reported Dt:	6/20/2007	***Site Map Datum:***	
Dt Document Closed:		***SAC Action Class:***	
Incident Reason:		***Source Type:***	
Site Name:	County Rd. 18 and Second Line<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	Ukn source,hydraulic oil to road,sand put down,clng		
Contaminant Qty:	unknown unknown		

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2020

Abandoned Mine Information System: Provincial AMIS

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: "the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete". Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites: Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks: Provincial AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

Government Publication Date: 1999-Dec 31, 2020

Borehole: Provincial BORE

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Government Publication Date: 1875-Jul 2018

Certificates of Approval: Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

Government Publication Date: Jan 2004-Dec 2018

Commercial Fuel Oil Tanks: Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.
Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Chemical Manufacturers and Distributors: Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

Chemical Register: Private CHM

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

Government Publication Date: 1999-Dec 31, 2020

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 -Dec 2020

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Nov 2020

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Jan 31, 2020

Drill Hole Database: Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks: Provincial DTNK

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

Government Publication Date: Jul 31, 2020

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Dec 31, 2020

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Jan 31, 2020

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011- Dec 31, 2020

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Oct 31, 2020

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report: Provincial EPAR

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2019

List of Expired Fuels Safety Facilities: Provincial EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2020

Fisheries & Oceans Fuel Tanks: Federal FOFT

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

Government Publication Date: 1964-Sep 2019

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

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

Government Publication Date: May 31, 2018

Fuel Storage Tank: Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Jul 31, 2020

Greenhouse Gas Emissions from Large Facilities: Federal GHG

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

Government Publication Date: 2013-Dec 2018

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks: Provincial INC

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

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Jan 2020

National Analysis of Trends in Emergencies System (NATES): Federal NATE

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

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2018

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

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

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

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

Government Publication Date: 2008-Dec 31, 2020

National Energy Board Wells: Federal NEBP

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPRI

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells: Private OGWE

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

Government Publication Date: 1988-Aug 31, 2020

Ontario Oil and Gas Wells: Provincial OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites: Provincial OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994-Jan 31, 2020

Canadian Pulp and Paper: Private PAP

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

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

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Dec 31, 2020

Pipeline Incidents: Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Jan 31, 2020

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.
RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Government Publication Date: 1997-Sept 2001, Oct 2004-Jan 2021

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-Dec 31, 2020

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Mar 2020; Jul 2020 - Aug 2020

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-Dec 31, 2017

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

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

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Oct 2011-Dec 31, 2020

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Apr 30, 2020

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX D

Photographic Record

Photo 1 – View from Wellington Road 19 looking east. The residence can be seen in the background.

Photo 2 – Looking north on Wellington Road 19 from the driveway of the residence.

CLIENT
883890 Ontario Limited
c/o Fergus Development Inc.

PROJECT
8243 Wellington Road 19, Fergus, Ontario

CONSULTANT
GOLDER

YYYY-MM-DD	2021-04-07
DESIGNED	LLB
PREPARED	LLB
REVIEWED	
APPROVED	EH

TITLE
Photographic Record

PROJECT NO. 21456909 (3000) REV. A

Photo 3 – View in the furnace room in the residence.

Photo 4 – View of the above ground storage tank adjacent to the residence.

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PREPARED	LLB
REVIEWED	
APPROVED	EH

TITLE
Photographic Record

PROJECT NO. 21456909 (3000) REV. A

Photo 5 – View looking east towards maintenance shed with domestic water well.

Photo 6 – View inside the maintenance shed.

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REVIEWED	
APPROVED	EH

TITLE
Photographic Record

PROJECT NO. 21456909 (3000) REV. A

Photo 7 – Side of maintenance shed with pump for water intake for turf irrigation.

Photo 8 – Looking east behind the maintenance shed towards the unnamed pond showing water intake for turf irrigation.

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APPROVED	EH

TITLE
Photographic Record

PROJECT NO. 21456909 (3000) REV. A

Photo 9 – Looking west towards the tunnel under Wellington Road 19 on the northwest end of the Site.

Photo 10 – Looking east from Wellington Road 19 from the tunnel leading to the adjacent golf course to the west. The maintenance shed can be viewed in the background.

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c/o Fergus Development Inc.

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GOLDER

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PROJECT
8243 Wellington Road 19, Fergus, Ontario

TITLE
Photographic Record

PROJECT NO. 21456909 (3000) REV. A

Photo 11 – Looking east from Wellington Road 19 to the remnant floor slab where a previous structure was identified in the 1980 aerial photo and the Google image from 2016.

Photo 12 – Sump pump located in the front yard near the driveway, approximately 2 to 3 metres from the residence.

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TITLE
Photographic Record

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