

Phase One Environmental Site Assessment

3852 Ganaraska Road

Campbellcroft, Ontario

Prepared for:

Jeff Mycyk
5905 EarlsCourt Crescent
Manotick, Ontario
K4M 1K2

Submitted by:

The Greer Galloway Group Inc.
Consulting Engineers
1620 Wallbridge Loyalist Road
Belleville, ON K8N 4Z5

T: (613) 966-3068
www.greergalloway.com

Project: 2138438

May 2021

**G R E E R
G A L L O W A Y**
CONSULTING
ENGINEERS

May 31 2020

Project 2138438

Mr. Jeff Mycyk
5905 Earls court Crescent
Manotick, Ontario
K4M 1K2

**Phase One Environmental Site Assessment for 3852 Ganaraska Road
Campbellcroft, Ontario**

The Greer Galloway Group is pleased to submit this report for the Phase One Environmental Site Assessment recently completed for the property located at 3852 Ganaraska Road, Campbellcroft, Ontario, near the Garden Hill Conservation Area. This report outlines the investigation procedures and identifies areas of potential and/or actual environmental concern, based on information obtained on specific dates through historical reviews, interviews and site visits.

We trust that this report is complete within our terms of reference and suitable for your present requirements. If you have any questions, or require further information or input from us, please do not hesitate to contact me.

Yours very truly,

**THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS**



Charles Mitz, Ph.D., P.Geo., QPESA
Senior Project Manager

1620 Wallbridge Loyalist Road
R.R. #5
Belleville, Ontario
K8N 4Z5

Telephone
(613) 966-3068

E-mail
Belleville@greergalloway.com

Executive Summary

The Greer Galloway Group Inc. was retained by Jeff Mycyk to carry out a Phase One Environmental Site Assessment for the property located at 3852 Ganaraska Road just east of the Garden Hill Conservation Area. The Phase One Environmental Site Assessment was conducted in general accordance with Ontario Regulation 153/04 (Part XV.1), of the Environmental Protection Act.

The properties current land usage is agricultural, with a residential building located at the Southern property line at Ganaraska Road and open space in the north and heavily treed with coniferous and deciduous species. The total size of the property is approximately 35.05 hectares with access from the northern side of Ganaraska Road east of the intersection with John Street, west of the hamlet of Campbellcroft, Ontario.

Based on gathered information, the first developed use of the property as defined by Ont. Reg. 153/04 occurred prior to the earliest examined aerial photographs taken in 1928 in the form of an agricultural building consisting of a barn which was mentioned in the Phase One Interview to be approximately 200 years old. Three (3) potentially contaminating activities (PCAs) have been identified in the Conceptual Site Model including current on-site and off-site presence of Aboveground Fuel Storage Tanks (ASTs) including four (4) identified on neighbouring properties and fifteen (15) identified on the subject property, several debris piles, a former onsite mechanic garage, and the off-site presence of eleven (11) power (distribution) transformers. No visual or olfactory evidence of potential contamination was noted during geotechnical drilling across the site.

The former garage use was for a period of approximately one year and did not involve retail fuel dispensing, so this is not considered a significant environmental concern. The ASTs have been brought to the property in an empty condition and are not likely to represent a significant environmental liability although they and the debris piles, will need to be removed from the property and confirmatory chemical analyses conducted at their locations. While localized environmental clean-up will be needed, the potential environmental liability associated with the property is considered small in comparison to the overall property value. A Phase 2 ESA is not considered necessary for due diligence purposes provided that you and your partner(s) are satisfied that the purchase is economically viable after accounting for the localized clean-up costs you will likely incur (i.e., removal of debris piles and old ASTs, house demolition and removal, and confirmatory testing at the AST and debris pile locations).

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List of Acronyms

APEC - area of potential environmental concern

COCs - contaminants of concern

COPCs – contaminants of potential concern

CSM - conceptual site model

ESA - environmental site assessment

ESR - Environmental Site Registry

GGG – The Greer Galloway Group, Consulting Engineers

MECP - Ministry of the Environment Conservation and Parks

PCA - potentially contaminating activity

PCBs - polychlorinated biphenyls

QP - qualified person

RA - risk assessment

RSC - record of site condition

Definitions

This section provides a selected list of definitions of terms that appear in *Ontario Regulation 153/04*. It is important to note that some definitions do not apply to the entire *Ontario Regulation 153/04*, and the reader is advised to look at the definitions sections throughout *Ontario Regulation 153/04* to determine where these apply.

"all reasonable inquiries"

means review of current and historical sources of reasonably accessible information about a property to determine uses and occupancies of the property since the property's first developed use.

"area of natural significance"

means any of the following:

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

"areas 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.

"building"

as defined in subsection 1(1) of the *Building Code Act, 1992*, means:

- a. a structure occupying an area greater than ten square metres consisting of a wall, roof and floor or any of them or a structural system serving the function thereof including all plumbing, works, fixtures and service systems appurtenant thereto,

- b. a structure occupying an area of ten square metres or less that contains plumbing, including the plumbing appurtenant thereto,
- c. plumbing not located in a structure, (c.1) a sewage system, or
- d. structures designated in the building code.

"bulk liquid dispensing facility"

means premises at which solvents, gasoline or associated products are stored in one or more storage tanks and dispensed for sale.

"contaminant of potential concern"

includes a contaminant identified as potentially present on, in or under a phase one property in a phase one environmental site assessment report.

"contaminants of concern"

means,

- a. one or more contaminants found on, in or under a property at a concentration that exceeds the applicable site condition standards for the property, or
- b. one or more contaminants found on, in or under a property for which no applicable site condition standard is prescribed under Part IX (Site Condition Standards and Risk Assessments) of *Ontario Regulation 153/04* and which are associated with potentially contaminating activity.

"dry cleaning equipment"

means dry cleaning equipment as defined in *Ontario Regulation 323/94* made under the Environmental Protection Act [note: *O. Reg. 323/94* states: "dry cleaning equipment" means any device used to clean material with dry cleaning solvent or to remove residual dry cleaning solvent from previously cleaned material].

"enhanced investigation property"

means a property that is used, or has ever been used, in whole or in part for an industrial use or any of the following commercial uses:

- A garage;
- A bulk liquid dispensing facility, including a gasoline outlet; or,
- For the operation of dry cleaning equipment.

The term enhanced investigation property applies during the completion of a phase one environmental site assessment. Additional investigations of the phase one property must be undertaken if the phase one property is an enhanced investigation property.

"environmental site assessment"

means an investigation in relation to land to determine the environmental condition of property, and includes a phase one environmental site assessment and a phase two environmental site assessment.

"first developed use"

means the earlier of,

- a. the first use of a phase one property in or after 1875 that resulted in the development of a building or structure on the property, and
- b. the first potentially contaminating use or activity on the phase one property.

"garage"

means a place or premises where motor vehicles are received for maintenance or repairs for compensation.

"gasoline"

means a product of petroleum that may include oxygenates and gasoline additives that has a flash point below 37.8°C, that is a liquid at standard temperature and pressure and that is designed for use in an engine.

"gasoline outlet"

means any premises to which the public is invited, at which gasoline or an associated product is sold and is put into the fuel tanks of motor vehicles or floating motorized watercraft, or into portable containers.

"owner"

in relation to a record of site condition or risk assessment, includes a beneficial owner of or receiver in respect of the property for which the record of site condition is submitted for filing, is to be submitted for filing or is filed or for which the risk assessment is submitted.

"PCB"

means PCB as defined in *Regulation 362* of the Revised Regulations of Ontario, 1990 (Waste Management PCBs) made under the *Environmental Protection Act*.

"phase one property"

means the property that is the subject of a phase one environmental site assessment.

"phase one study area"

means the area that includes a phase one property, any other property that is located, wholly or partly, within 250 metres from the nearest point on a boundary of the phase one property and any property that the qualified person determines should be included as a part of the phase one study area under clause 3(1)(a) of Schedule D of *Ontario Regulation 153/04*.

"potentially contaminating activity"

means a use or activity set out in Column A of Table 2 of Schedule D of *Ontario Regulation 153/04* that is occurring or has occurred in a phase one study area.

"record"

when used as a noun, has the same meaning as "document" in subsection 1(1) of the *Environmental Protection Act*.

"RSC property"

in relation to a record of site condition, means the property in respect of which the record of site condition is submitted for filing or is filed. In Schedule D of *Ontario Regulation 153/04*, "sewage" means:

- a. a waste of domestic origin that is human body waste, toilet or other bathroom waste, waste from showers and tubs, liquid or water borne culinary and sink waste and laundry waste, and
- b. drainage, storm water, commercial wastes and industrial wastes.

In Schedule D of *Ontario Regulation 153/04*, "sewage works" means any works for the collection, transmission, treatment and disposal of sewage or any part of such works.

"sewage" means,

(a) a waste of domestic origin that is human body waste, toilet or other bathroom waste, waste from showers and tubs, liquid or water borne culinary and sink waste and laundry waste, and

(b) drainage, storm water, commercial wastes and industrial wastes;

"sewage works"

means any works for the collection, transmission, treatment and disposal of sewage or any part of such works.

"site"

when used in the phrase "site reconnaissance" means phase one study area.

"solvent"

means any volatile organic compound that is used as a cleaning agent, diluent, dissolver, thinner, or viscosity reducer, or for a similar purpose.

"spill"

means spill as defined in subsection 91(1) of the Act, other than a spill of a pollutant comprised solely of odour.

"surveyor"

means a person licensed under the *Surveyors Act* to practice cadastral surveying in Ontario.

"waste disposal site"

as used in *Ontario Regulation 154/03* means a waste disposal site as defined in section 25 of the *Environmental Protection Act*.

"waste generator"

means a generator as defined in *Regulation 347* of the Revised Regulations of Ontario, 1990 (General Waste Management) made under the *Environmental Protection Act*.

"waste receiver"

means a receiver as defined in *Regulation 347* of the Revised Regulations of Ontario, 1990 (General Waste Management) made under the *Environmental Protection Act*.

"water body"

means a permanent stream, river or similar watercourse or a pond or lake, but does not include a pond constructed on the property for the purpose of controlling surface water drainage.

Potentially Contaminating Activities (PCAs)

The following Potentially Contaminating Activities (PCAs) are identified under O.Reg. 153/04 for Phase One ESAs.

1. Acid and Alkali Manufacturing, Processing and Bulk Storage
 2. Adhesives and Resins Manufacturing, Processing and Bulk Storage
 3. Airstrips and Hangars Operation
 4. Antifreeze and De-icing Manufacturing and Bulk Storage
 5. Asphalt and Bitumen Manufacturing
 6. Battery Manufacturing, Recycling and Bulk Storage
 7. Boat Manufacturing
 8. Chemical Manufacturing, Processing and Bulk Storage
 9. Coal Gasification
 10. Commercial Autobody Shops
 11. Commercial Trucking and Container Terminals
 12. Concrete, Cement and Lime Manufacturing
 13. Cosmetics Manufacturing, Processing and Bulk Storage
 14. Crude Oil Refining, Processing and Bulk Storage
 15. Discharge of Brine related to oil and gas production
 16. Drum and Barrel and Tank Reconditioning and Recycling
 17. Dye Manufacturing, Processing and Bulk Storage
 18. Electricity Generation, Transformation and Power Stations
 19. Electronic and Computer Equipment Manufacturing
 20. Explosives and Ammunition Manufacturing, Production and Bulk Storage
 21. Explosives and Firing Range
 22. Fertilizer Manufacturing, Processing and Bulk Storage
 23. Fire Retardant Manufacturing, Processing and Bulk Storage
 24. Fire Training
 25. Flocculants Manufacturing, Processing and Bulk Storage
 26. Foam and Expanded Foam Manufacturing and Processing
 27. Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
 28. Gasoline and Associated Products Storage in Fixed Tanks
 29. Glass Manufacturing
 30. Importation of Fill Material of Unknown Quality
 31. Ink Manufacturing, Processing and Bulk Storage
 32. Iron and Steel Manufacturing and Processing
 33. Metal Treatment, Coating, Plating and Finishing
 34. Metal Fabrication
-

35. Mining, Smelting and Refining; Ore Processing; Tailings Storage
36. Oil Production
37. Operation of Dry Cleaning Equipment (where chemicals are used)
38. Ordnance Use
39. Paints Manufacturing, Processing and Bulk Storage
40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
41. Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
42. Pharmaceutical Manufacturing and Processing
43. Plastics (including Fibreglass) Manufacturing and Processing
44. Port Activities, including Operation and Maintenance of Wharves and Docks
45. Pulp, Paper and Paperboard Manufacturing and Processing
46. Rail Yards, Tracks and Spurs
47. Rubber Manufacturing and Processing
48. Salt Manufacturing, Processing and Bulk Storage
49. Salvage Yard, including automobile wrecking
50. Soap and Detergent Manufacturing, Processing and Bulk Storage
51. Solvent Manufacturing, Processing and Bulk Storage
52. Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems
53. Tannery
54. Textile Manufacturing and Processing
55. Transformer Manufacturing, Processing and Use
56. Treatment of Sewage equal to or greater than 10,000 litres per day
57. Vehicles and Associated Parts Manufacturing
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
59. Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products

1. Introduction

The Greer Galloway Group Inc. was retained by Jeff Mycyk to carry out a Phase One Environmental Site Assessment for an approximately 35 ha property located on the north side of Ganaraska Road east of its intersection with John Street, close to the Garden Hill Conservation Area west of the Hamlet of Campbellcroft. The Phase One Property is currently agricultural land with undeveloped open space in the northern portion of the property. The client's intention is to purchase and develop the property for residential land use.

The purpose of a Phase One ESA is to look for past and present conditions or practices which may represent environmental risk or liability. Phase One ESAs are generally conducted in accordance with one of two protocols: the Canadian Standards Association (CSA Z-768/01 Standard) or Ontario Regulation 153/04 for a Phase One ESA. The CSA Standard is typically followed for Due-Diligence purposes either prior to purchase or as a condition of financing. The Standards are similar but differ in their treatment of the surrounding area (i.e., search distances) and in their reporting structure (the O.Reg. 153.04 Standard is more prescriptive). While this report was completed for due diligence purposes, we have generally followed the reporting structure of O.Reg. 153/04.

Based on information gathered through aerial photographs and interviews, the property has been used for agricultural purposes dating back to before 1928. A house and a barn are present in the southwest corner of the property in the earliest aerial image from 1928. The residential structure on site was original constructed as an autobody and mechanic shop that operated briefly prior to being converted into a residential building. The Property can be accessed directly from a driveway on the north side of Ganaraska Road, 225 metres east of its intersection with Mill Street .

Pertinent details of the Phase One Property are provided in the following table:

Table 1: Summary of Site Information

Detail	Information	Source / Reference
Legal Description	PT LT 16 CON 8 Hope as in HOPT16342 & PH10448; S/T HPT15023; Port Hope	Title Search
Municipal Address	3852 Ganaraska Road	Client
Current Owner	Dan Langevin	Client
Owner/Client Contact Information	Jeff Mycyk 5905 Earls court Crescent Manotick, Ontario K4M 1K2	Client/ Authorization to Proceed
Current Occupant	None	Interview
Site Area	35.05 Hectares	Google Earth™ Satellite Imagery
Current Land Use	Agricultural and Open Space	Site Reconnaissance
Centroid UTM Coordinates	707940E; 4881890N, NAD83, Zone 17	Google Earth™ Satellite Imagery

2. Scope of Investigation

Greer Galloway conducted this Phase One ESA in general accordance with O. Reg. 153/04, Part VII and Schedule D of O. Reg. 153/04. The Phase One ESA scope of work comprised the following:

- 1) A Records Review: Greer Galloway reviewed available current and historical information sources pertaining to the Phase One Property and surrounding properties within the Phase One Study Area including the use of, but not limited to, aerial photographs, city directories, and a land transfer document relevant to the Phase One Property, a regulatory data base search and the Ministry of the Environment, Conservation and Parks (MECP) water well records. Regulatory agencies were also contacted to identify if any records of environmental non-compliance or other information associated with the environmental condition of the Phase One Property exist;
- 2) Interviews: Greer Galloway conducted interviews with a Community Representative (see Section 5.0) to determine if any current or historical operations have caused a concern with respect to the environmental condition of the Phase One Property and the surrounding properties within the Phase One Study Area;
- 3) Site Reconnaissance: Greer Galloway completed a visual assessment of the Phase One Property and the surrounding properties within the Phase One Study Area (from publicly accessible areas) including any associated buildings and/or facilities for the purpose of identifying the presence of significant environmental contaminants of concern;

- 4) Evaluation: Greer Galloway evaluated the information gathered from the records review, interviews and Site reconnaissance;
- 5) Reporting: Greer Galloway prepared this Phase One ESA report summarizing the findings of the Phase One ESA; and

3. Records Review

3.1 General

The study period for this assessment was April 2021 to May 2021, which included the records review, site reconnaissance, interviews, and reporting. A Site reconnaissance was completed on January 26, 2021, by a Greer Galloway representative under the direct supervision of a Qualified Person (QP). During the Site reconnaissance, Greer Galloway accessed all areas of the Phase One Property. Greer Galloway did not access any areas within the surrounding Phase One Study Area with the exception of a windshield reconnaissance from publicly accessible roads. Selected photographs taken during the Site reconnaissance of the Phase One Property are presented in Appendix C.

3.1.1 Phase One Study Area Determination

Figure 2 shows the Phase One Study Area with a radius of 250 meters from the property boundary. A search radius of 250 meters was selected to include all Potentially Contaminating Activities (PCAs) that could impact the Phase One Property. In the area within the 250-meter radius, residential, commercial, community facility and open space land uses were noted.

3.1.2 First Developed Use Determination

The first developed land use of the Phase One Property is defined by O. Reg. 153/04 to be:

- The first use of a Phase One Property in or after 1875 that resulted in the development of a building or structure on the property; and
- The first potentially contaminating use or activity on the Phase One Property.

Based on gathered information, the first developed use occurred prior to 1928. The earliest available aerial photograph, in the form of an agricultural building.

3.1.3 Chain of Title

A search of owner history at the Phase One Property was completed at the Land Registry Office in Cobourg, Ontario. A lot history and Parcel abstract has been ordered and once provided it will be included in Appendix A.

3.1.4 Environmental Reports

The Client has informed Greer Galloway that no previous environmental studies have been undertaken for the Phase One Property or, to their knowledge, for adjacent properties within the Phase One Study Area. None of the other information sources accessed by Greer Galloway referenced previous environmental reports for the Phase One Property or Phase One Study Area.

3.2 Environmental Source Information

Greer Galloway reviewed the historical use of the Phase One Study Area through the use of publicly available archives and databases, as well as through requesting information from regulatory agencies. The following provides a summary of the information obtained from these sources.

3.2.1 Environmental Database Search – EcoLog ERIS

Greer Galloway retained EcoLog Environmental Risk Information Service Ltd. (ERIS) to search all available federal, provincial and private source databases for information pertaining to the Phase One Study Area. A copy of the EcoLog ERIS report is provided in Appendix B and the results of the database search are described in the following subsections.

3.2.1.1 National Pollutant Release Inventory

EcoLog ERIS completed a search of the federal databases for information regarding the National Pollutant Release Inventory (NPRI). This database contains comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances and identifies information such as the approximate location, type and quantity of contaminant, date of release, and media impacted. The EcoLog ERIS search of the NPRI inventory yielded no records for the Phase One Property or the Phase One Study Area.

3.2.1.2 Ontario Inventory of PCB Storage Sites

The MECP's Waste Management Branch maintains an inventory of PCB storage sites within Ontario. Ontario Regulation 11/82 and Ontario Regulation 347 (O. Reg. 347), made under the EPA, require the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the MECP. This database contains information on waste quantities, major and minor sites storing liquid or solid waste, and a waste storage inventory. The EcoLog ERIS report yielded no records for PCB storage sites for the Phase One Property or the Phase One Study Area.

3.2.1.3 National PCB Inventory

Environment Canada maintains an inventory of in-use PCB-containing equipment at federal, provincial and private facilities in Canada, and of out-of-service PCB-containing equipment and PCB waste owned by the federal government or federally regulated industries. EcoLog ERIS completed a search of the National PCB Inventory and found no information regarding the Phase One Property or the Phase One Study Area.

3.2.1.4 Certificates of Approval/Environmental Compliance Approvals

EcoLog ERIS completed a search of the MECP database for information regarding Certificates of Approval (C-of-A). The MECP maintains a database of approved C-of-A for Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals.

Prior to November 1, 2011, the MECP mandated that any facility that released emissions to the atmosphere, discharged contaminants to ground or surface water, provided potable water supplies, or stored, transported or disposed of waste, must have a C-of-A before it could operate lawfully. The MECP no longer issues C-of-A's, which were replaced by Environmental Compliance Approvals (ECAs) as of November 1, 2011. The EcoLog ERIS search of the C-of-A and ECA database identified no C of A's or ECAs listed for the Phase One Study Area.

3.2.1.5 Certificates of Property Use

The EcoLog ERIS search of the CPU database identified no information regarding CPUs for the Phase One Property or Phase One Study Area.

3.2.1.6 Inventory of Coal Gasification Plants

EcoLog ERIS searched the following publications prepared for the MECP by Intera Technologies Inc. for information on industrial sites that formerly operated as coal gasification plants, and industrial sites that produced or used coal tar and other related tars:

- “Inventory of Coal Gasification Plant Waste Sites in Ontario”, dated April 1987; and
- “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario”, dated November 1988.

The EcoLog ERIS search yielded no records of former coal gasification plants or the production or use of coal tar and related tars within the Phase One Property or Phase One Study Area.

3.2.1.7 Environmental Incidents, Orders, Offences and Spills

EcoLog ERIS completed a search of the various provincial and federal databases for information regarding environmental incidents, orders, offences and spills. Details regarding the searched databases are provided in the EcoLog ERIS report in Appendix B.

No records of Environmental Incidents, Orders, Offences or Spills were identified in the ERIS Report.

3.2.1.8 Waste Management Records

EcoLog ERIS completed a search of the O. Reg. 347 Waste Generators database for information regarding waste generation. O. Reg. 347 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.

No Ontario Regulation 137 Waste Generators were identified for the Phase One Property or the Phase One Study Area.

3.2.1.9 Fuel Storage Tanks

EcoLog ERIS completed a search of various private, provincial and federal databases for information regarding chemical storage tanks, as well as private and retail fuel storage tanks. The EcoLog ERIS search of the chemical or fuel storage tank databases found no records for delisted expired fuel safety facility information regarding the Phase One Property or Phase One Study Area.

3.2.1.10 Notices and Instruments

EcoLog ERIS completed a search of the provincial Environmental Registry for records pertaining to proposals, decisions, and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. EcoLog ERIS also searched the Record of Site Condition database for filed Record of Site Conditions (RSCs). No records were found in the Environmental Registry and Record of Site Condition database for the Phase One Property or the Phase One Study Area.

3.2.1.11 PES- Pesticide Register

The Pesticide Register is a database maintained by the Ministry of Environment, Conservation and Parks for licensed operators and vendors of registered pesticides. A search of the PES database from 1988 to October 2019 did not identify any PES sites within the Phase One Study Area.

3.2.1.12 Other EcoLog ERIS Databases

A full listing of EcoLog ERIS databases is provided in the EcoLog ERIS report included in Appendix B.

3.2.2 Abandoned Mines

Review of The Ontario Ministry of Northern Development and Mines inventory of abandoned mines revealed no abandoned mines or quarries on the Phase One Property or within the Phase One Study Area.

3.2.3 Oil and Gas Wells

Review of The Ontario Ministry of Northern Development and Mines inventory of licensed oil and gas wells revealed no oil or gas wells on the Phase One Property or within the Phase One Area.

3.2.4 Fire Insurance Maps/Plans

A search for Fire Insurance Plans was completed by Greer Galloway at Trent University in Peterborough, Ontario and through internet. No plans were identified for the Phase One property or the Phase One Study Area

3.3 Physical Setting Sources

3.3.1 Aerial Photographs

Greer Galloway reviewed aerial photographs of the Phase One Property and surrounding properties within the Phase One Study Area to assess the potential for historical PCAs. Copies of aerial photographs dated 1928, 1964, and 1981 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Greer Galloway. In addition, Greer Galloway reviewed Google Earth™ Satellite Imagery dated 2015. The 1928 aerial photograph was the earliest available aerial photograph of the Phase One Study Area.

Table 2: Summary of Aerial Photograph Review

Year of Air Photo	Phase One Property	Phase One Study Area
1928	The property features agricultural land use with some open space in the northern portion of the property. A small barn is present in the southwest portion of the Phase One Property. .	The Phase One Study Area displays a mix of agricultural and minor residential land use near the intersection of Mill Street and Ganaraska Road.
1964	NA	Additional residential buildings as are present within the Phase One Study Area south of the Phase One Property.

Year of Air Photo	Phase One Property	Phase One Study Area
1981	An additional residential/commercial structure is present in the southwest corner of the property.	Additional residential structures have been constructed to the north of the Phase One Property particularly along Ganaraska Road
2015	A garage is present to the east of the residential/commercial building on the property.	A subdivision has been constructed to the east of the Phase One Property.

3.3.2 Topography, Hydrology and Geology

The surface topography descends gently from about 193 mASL at the northeastern portion of the Phase One Study Area to 173 mASL in the southwestern portion of the Phase One study area proximal to the lake to the west of Mill Street that is a wide portion of the North Ganaraska River

Groundwater on the Property is anticipated to flow southwest towards the North Ganaraska River which is located within the Phase One Study Area approximately 165 metres from the west property line of Phase One Property.

The Soils Map of Durham County, Ontario, Report No. 9 classifies soils developed on this property as Pontypool Sandy Loam majority of the property, and the western half of the Phase One Study Area. The western boundary the property contains soils classified as Bottom Land associated with flooding of the North Ganaraska River. Brighton Sandy Loam is also mapped in the Phase One Study Area on the land west of the western bank of the North Ganaraska River.

Pontypool Series consists of fluvial-glacial material formed in an ice crevice between to ice lobes during glacial melting, the materials are poorly sorted, till which typically provide difficult farming conditions. The soil is yellowish in colour and the texture is sandy loam to sand. The Bottom Land Soils are variegated and represent surface deposition of material that had been carried by a stream. These soils are frequently layered and then typically features a heavy till at depth. These soils often suitable as pasture lands and was utilized as such on the subject property.

The area is underlain by Lindsay Formation limestone with shaly partings. The formation is sparsely mapped in the region due to poor outcropping. The formation consists of grey to blue-grey sub-lithographic to fine grained nodular limestone in beds ranging from 0.2 to 0.3 m in thickness. The unit has been mapped within quarries to be a maximum of 42 m in thickness. The formation is quarried in order to manufacture portland cement. Bedrock can be found at depths of approximately 41 m as logged in the Ontario Well Records.

3.3.3 Fill Materials

No obvious Fill deposits were identified in the Phase One Study Area.

3.3.4 Water Bodies and Areas of Natural Significance

The North Ganaraska River is located within the Phase One Study Area approximately 165 m northwest of the Phase One Property. The river widens to a lake north of a dam that is present on the north side of Ganaraska Road within the Phase One Study Area.

3.3.5 Well Records

There are Sixty-nine (69) well records within 250 meters of the Phase One Property in the Ontario Ministry of the Environment Water Well Database according to the ERIS report. The description of wells within the database indicates the majority of wells are ended within the overburden sands. When bedrock was encountered it was at depths of approximately 41 m and consisted of grey limestone.

One (1) well of the Sixty-nine (69) wells was installed on the Phase One Property. All wells are listed in the ERIS Report (see Appendix B).

4. Interviews

Information on the Phase One Property was obtained through an interview of Mr. Dan Langevin on May 18, 2021. The meeting took place by phone call due to the Covid-19 pandemic. Mr. Dan Langevin is a current owner of the subject property, and he has been a longtime resident of the Hamlet of Campbellcroft.

During the interview it was documented that there were no known historical environmental spills or contamination on the subject property or neighbouring properties. Ms. Langevin was unaware of any potentially contaminating activities on the property. Mr. Langevin stated that the property has been used primarily for Agricultural and Residential purposes. Crops grown over the years have been mostly hay and corn but use of pesticides was minimal. Livestock including cattle and pigs were also present on the property. The barn on the property visible in the 1928 aerial photo was said during the interview to be approximately 200 years old.

The residential building on the property operated as a mechanic garage for one year in 1946 prior to being converted into a home. The previous owner lived in this residential building from 1947 to 2018. Mr. Langevin explained that there was an above-ground heating oil tank outside the residential building at the northeast corner but that it had already been removed from the subject property. He also indicated that the majority of other AST found on the property were likely not in use at the property.

5. Site Reconnaissance

5.1 General Requirements

The site reconnaissance was carried out by David Cooper, M.Env.Sc., of the Greer Galloway Group Inc., on April 9th, 2021 at 1:30 pm. Weather conditions at the time of site reconnaissance consisted of overcast skies, with a 10 kilometer per hour wind in a northwestern direction, and a temperature of approximately 14 degrees Celsius, with minor precipitation.

The site investigation took approximately three hours. The Phase One Property's current land usage is agricultural with two main abandoned buildings consisting of a residential building and a barn. Seven sheds are present on the property with the largest one occurring to the east of the residential building.

Two PCAs were identified during the site reconnaissance, including on-site and off-site aboveground fuel storage tanks at residential properties within the Phase One Study Area, and eleven offsite distribution transformers.

No Areas of Potential Environmental Concern were identified during the site reconnaissance. The Phase One Property location is shown in Figure 1 and selected photographs taken during the site reconnaissance are included in Appendix C.

Various water supply wells were also identified during site reconnaissance throughout the Phase One Study Area as well as a single drilled well on the subject property.

5.2 Specific Observations at Phase One Property

5.2.1 Description of Buildings and Structures

The Phase One Property contains two major building, including a residential building present along the southern property line in the southwest corner of the property. The residential building is a two story brick and wooden building with an aluminum roof. The Barn is constructed from wood with a concrete base approximately 617 m² in size and was formerly used to house livestock. Multiple sheds were identified (6 in total) on the property. A dilapidated garage is located to the east of the residential building and is composed primarily of wood.

5.2.2 Description of Below-Ground Structures

Underground utilities are not expected to be present on the property and no evidence of such utilities was observed. A water supply well was identified on the property.

5.2.3 Description of Tanks

Fourteen (14) Aboveground Storage Tanks were identified at various locations along the western portion of the property. AST (1) was the only tank interpreted to be in situ and possibly in use. This tank was observed to be in good condition with no notable corrosion at the base of the tank. The other thirteen (13) ASTs observed appear to have been transferred to their current position from offsite use. Please refer to the Phase One Conceptual Site Model (Figure 3) for the locations of the tanks.

5.2.4 Potable and Non-Potable Water Sources

Water wells were observed at many of the residential properties located along Mill Street, Ganaraska Road, John Street, Wright Crescent, Porter Crescent and Frost Avenue. It is anticipated that future development on the property will also be serviced by private water supply. Potable water conditions are present within the Phase One Study Area.

5.2.5 Description and Location of Underground Utilities

Water, natural gas, sewage and telecommunications are not currently provided to the property as the property is serviced by private septic and a private water supply well.

5.2.6 Entry and Exit Points

The property may be accessed primarily from the north side of Ganaraska Road. There is a secondary access to the agricultural fields along the east side of Mill Street.

5.2.7 Details of Heating System

Heating was provided by heating oil, however the AST was removed from the property prior to site reconnaissance.

5.2.8 Details of Cooling System

No current cooling system exists on the property.

5.2.9 Details of Drains, Pits and Sumps

No drains, pits or sumps were observed on the property. A southwest flowing seasonal creek is present in the southeastern corner of the property dividing two agricultural fields.

5.2.10 Designated Materials

No designated materials such as asbestos, PCBs, or lead paint were observed during the site reconnaissance, however it is predicted that these substances may be encountered based on the age of the residential building and the barn.

5.2.11 Unidentified Substances within Buildings and Structures

There were no unidentified substances identified within the barn during the site visit and the residential building was not entered during the site reconnaissance.

5.2.12 Details of Sewage Works

The septic system is predicted to be positioned between the residential building and the barn.

5.2.13 Details of Ground Cover

The Phase One Property is covered with grasses where agricultural activity occurs. North of the fields the property is heavily treed with White Cedar being the dominant tree species on the west side of the property and a mix of deciduous and coniferous for the majority of the treed area on the property.

5.2.14 Details of Current or Former Railways

No former railways were observed in the Phase One Study Area.

5.2.15 Areas of Stained Soil, Vegetation and Pavement

During the Site reconnaissance, Greer Galloway did not observe any areas of stained soil or pavement, or distressed vegetation on the Phase One Property. Vegetation appeared to be in good condition with no evidence of contamination-related stress.

5.2.16 Areas of Fill and Debris Materials

No fill was observed on the Phase One property.

5.2.17 Potentially Contaminating Activities

Fourteen (14) Aboveground Storage Tanks (PCA 28) were observed on the property during site reconnaissance. Seven (7) oil drums were also identified on the property. Seven sheds that are present on the property were found to be filled with discarded metal material, old tires and miscellaneous waste. Eleven pole-mounted distribution transformers (PCA 55) were also identified within the Phase One Study Area during the site reconnaissance.

5.2.18 Unidentified Substances Outside Buildings and Structures

During the Site reconnaissance, Greer Galloway did not observe any unidentified substances or storage containers holding unidentified substances outside buildings and structures at the Phase One Property.

6. Review and Evaluation of Information

6.1 Current and Past Uses

Refer to Table 3 for the current and past uses of the Phase One Property.

6.2 Potentially Contaminating Activities

A potentially contaminating activity (PCA) is defined as a use or activity set out in Column A, Table II, Schedule D of Ontario Regulation 153/04 which occurred in the Phase One Study Area and neighbouring PCAs within the Phase One Study Area. Table 3 lists the Potential Contaminating Activities identified within the Phase One Study Area.

On-site:

PCA 10 Commercial Autobody Shops

A historical occurrence of an autobody shop was located on the Phase One property for a single year in 1946 as per the interview with Mr. Langevin. No evidence of contamination or presence of an Underground or Aboveground Fuel Storage Tank was observed during site reconnaissance.

The environment risk to the Phase One Property appears to be low as the business operated for a brief period and was a small commercial facility.

PCA 28 Gasoline and Associated Products Storage in Fixed Tanks

Fourteen (14) Aboveground Storage Tanks were observed on the Phase One Property (see Figure 3). An additional AST was observed in aerial photography to be on the north side of the residential building. In addition, seven (7) steel drums were observed on the property and it is unknown if they contained fuel in the past.

The environment risk to the Phase One Property can be categorized as low as thirteen (13) out of fifteen (15) tanks appear to have been brought onto the property after decommissioned and likely contained little to no fuel. The tank that was observed to be in use at the property AST (1) was in good condition with no structural damage by corrosion observed at the base of the tank.

Off-site:

PCA 28 Gasoline and Associated Products Storage in Fixed Tanks

Aboveground fuel storage tanks were observed at the residence at 3865 Ganaraska Road, and 8049 Mill Street. An additional AST was identified during site reconnaissance at 8234 Mill Street containing gasoline that is used at the horse farm at this property.

The environment risk to the Phase One Property appears to be low as the AST is off-site, low volume, in active use and downgradient from the Phase One Property in terms of the groundwater flow direction.

PCA 28 Gasoline and Associated Products Storage in Fixed Tanks

Fill and ventilation pipes for a fuel storage tanks were identified at the properties located at 7942 and 7967 John Street. The pipes are a component of ASTs that are located within the residential buildings.

The environment risk to the Phase One Property appears to be low as the AST is off-site, and downgradient from the Phase One Property in terms of the groundwater flow direction.

PCA 55 Transformer Manufacturing, Processing and Use:

During the site reconnaissance, nine (9) distribution (power) transformers were identified on hydro poles within the Phase One Study Area. (See Figure 3). An additional two (2) ground-mounted distribution transformers were identified in the Phase One Study Area.

The environment risk to the Phase One Property is considered low as the transformers are all pole-mounted and off-site, and over 65 m distant from the Phase One Property. None of the transformers identified are part of a transformer station.

Figure 3 indicates the location of the identified PCAs in the Phase One Study Area.

6.3 Areas of Potential Environmental Concern

Areas of potential environmental concern are limited to the empty tanks, drums, and debris piles on the Phase One property. These appear to be localized and unlikely to be the source of significant environmental liabilities though they will need to be removed from the property.

6.4 Phase One Conceptual Site Model

The Phase One Property has been identified in the center of the model. The extent of the Phase One Study Area has also been depicted in the conceptual site model. Potentially contaminating activities have been indicated in Figure 3 with the corresponding item number from Table 2, Schedule D of O. Reg. 153/04.

6.4.1. Areas Where Potentially Contaminating Activities (PCAs) Have Occurred

Three (3) potentially contaminating activities (PCAs) have been identified in the Conceptual Site Model. There is current fuel storage at 3852 Ganaraska Road, 3865 Ganaraska Road, 8049 Mill Street, 8234 Mill Street, 7942 John Street and 7967 John Street in the form of Above Ground Fuel Storage Tanks (ASTs) and historical storage at the subject property (PCA 28). A historic mechanic garage located at 3852 Ganaraska Road as described in the Phase One Interview (PCA 10). Eleven (11) pole-mounted distribution transformers are present in the Phase One Study Area (PCA 55).

6.4.2 Contaminants of Concern (COC)

Contaminants of concern during the Phase One ESA would be Metals, PHCs (F1-F4) and BTEX associated with aboveground fuel storage.

6.4.3. Potential for Underground Utilities to Affect Contaminant Distribution

Potential contaminants were not identified during the Phase One ESA and the potential would be negligible for underground utilities to affect contaminant distribution.

6.4.4 Regional or Site-Specific Geology and Hydrogeological Information

Topography and Surface water	
Phase One Study Area	The elevation decreases from 193 metres above sea level at the northeastern portion of the Phase One Study Area to 173 metres above sea level at the southwest portion of the property towards the North Ganaraska River.
Phase One Property Conditions	The Property elevation is at 189 metres above sea level with the topography at the Property sloping gently in the southwest direction with a topographic low on the property of 178 metres above sea level near the western property line.
Overburden and Surficial Geology	
Regional Conditions	Overburden in the region is dominated by fine to coarse grained till deposits and glaciofluvial deposits, and modern fluvial environments are also common regionally.
Phase One Property Conditions	The Soils Map of Hastings County, Ontario, Report No. 9 classifies soils developed on this property as Pontypool Series in the majority of the property, consisting of light brown to yellowish sandy loam, unit is underlain by common stony calcareous rock, with good internal and external drainage this soil is derived from fluvial-glacial deposited material during glacial melt. Bottom Lands material is present in the far west portion of the property associated with the North Ganaraska River and its tributaries.
Bedrock Geology	
Regional Bedrock Conditions	Lindsay Formation consisting of limestone with shaly partings. Based on information contained in the well records the approximate depth to bedrock is approximately 41 metres below ground surface and the formation does not outcrop in the Phase One Study Area.
Phase One Property Conditions	It is expected that conditions at the Property are consistent with the regional bedrock conditions although overburden appears to be thicker.
Hydrogeology	
Significant Water bodies	The North Ganaraska river flows in a south direction within the northwestern portion of the Phase One Study Area and approximately 210 m to the northwest of the Phase One Property. A lake is present north of Ganaraska Road where the river is dammed. A tributary of the North Ganaraska River is present within the Phase One Property north of the agricultural field close to the western property line and roughly paralleling Mill Street. Finally, a

	seasonal southwest flowing creek is present in the southeastern portion of the property dividing two agricultural fields.
Anticipated Groundwater Flow Direction	The groundwater direction is anticipated within the Phase One Study Area to be in a west-southwest direction flowing towards the North Ganaraska River.

6.4.5 Uncertainty or Absence of Information

During site reconnaissance within the phase one study area, neighboring properties were inspected from public property and therefore, some PCAs may be missed. Access to the residential building was not possible during the site visit. Otherwise, there is little uncertainty or absence of information that could affect the validity of the Phase One Conceptual Site Model.

6.5 Conclusions

We conclude, on the basis of this Phase One Site Assessment, that there is a low potential for significant contamination of soil and groundwater at the Phase One Property. No Areas of Potential Environmental Contamination (APEC) were identified for the Phase One Property.

A Phase Two Environmental Site Assessment is not recommended based on the findings of this report as PCA offsite are downgradient based on anticipated groundwater flow direction in relations to the Phase One Property. The ASTs identified on site appear to have been brought onto the property as scrap after use and the one tank that was actively used was found to be in good condition.

Prior to residential development on the property, the ASTs; Oil Drums and metal and non/metal waste should be removed from the property and disposed of in an appropriate waste disposal facility. Soil samples should be collected during this process and tested for petroleum hydrocarbons and metal parameters to confirm clean underlying soil conditions.

7. Assessor Qualifications

7.1 Qualified Person

This Phase One ESA was undertaken under the supervision of Dr. Charles Mitz, P.Geo., QPESA in accordance with the requirements of O. Reg. 153/04. The conclusions and recommendations provided in this report represent the best judgement of the assessor based on the Site conditions observed on April 9th, 2021 and a review of available historical information and information obtained from interviews. Dr. Mitz is a Professional Geoscientist (P.Geo.) licensed in Ontario with over 25 years of experience managing Phase One and Two ESA's.

7.2 Supporting Personnel

The Phase One ESA site reconnaissance was completed by Mr. David Cooper under the supervision of Dr. Mitz. Mr. Cooper is an Environmental Scientist at Greer Galloway's Belleville. He conducts Phase One and Phase Two ESAs including document research, site visits, interviews, and reporting.

8. Closure

The information and opinions expressed in this Phase One ESA report are prepared for the sole benefit of Mr. Jeff Mycyk and his partner(s). Reliance on this document involves technical interpretation, judgment, and conjecture made with the assistance of the Greer Galloway Group in accordance with

our client's specific level of technical sophistication and risk tolerance. No other party is permitted to rely on this report or any portion thereof. With the permission of our client, Greer Galloway will meet with a third party approved in writing by our client to help identify additional services necessary (if any) to permit such a third party to rely on the information contained in this report.

All of which is respectfully submitted.

**THE GREER GALLOWAY GROUP INC.
CONSULTING ENGINEERS**



David Cooper M.Env.Sc.
Environmental Scientist



Charles Mitz, Ph.D., P.Geo, QPESA
Senior Project Manager



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

Google Earth Image (2018), Accessed May 2021

LEGEND:

--- Phase One Site Boundary



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 1:
PHASE ONE PROPERTY

Scale: as shown



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNR); "Make a Map" Natural Heritage Areas; <https://www.gisapplication.lrc.gov.on.ca/>, accessed May 2021

LEGEND:

-  Phase One Site Boundary
-  Phase One Site Area
-  Woodland
-  Conservation Reserve
-  Provincial Park
-  Natural Heritage System
- Wetland**
-  Provincially Significant Wetland Evaluated
-  Non - Provincially Significant Wetland Evaluated
-  Unevaluated Wetland
- Area of Natural Heritage & Scientific Interest (ANSI)**
-  Provincially Significant Life Science ANSI
-  Provincially Significant Earth Science ANSI



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 2:
PHASE ONE STUDY AREA

Scale: as shown





GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

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1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNRF); "Make a Map" Natural Heritage Areas; <https://www.gisapplication.lrc.gov.on.ca/>, accessed May 2021

LEGEND:

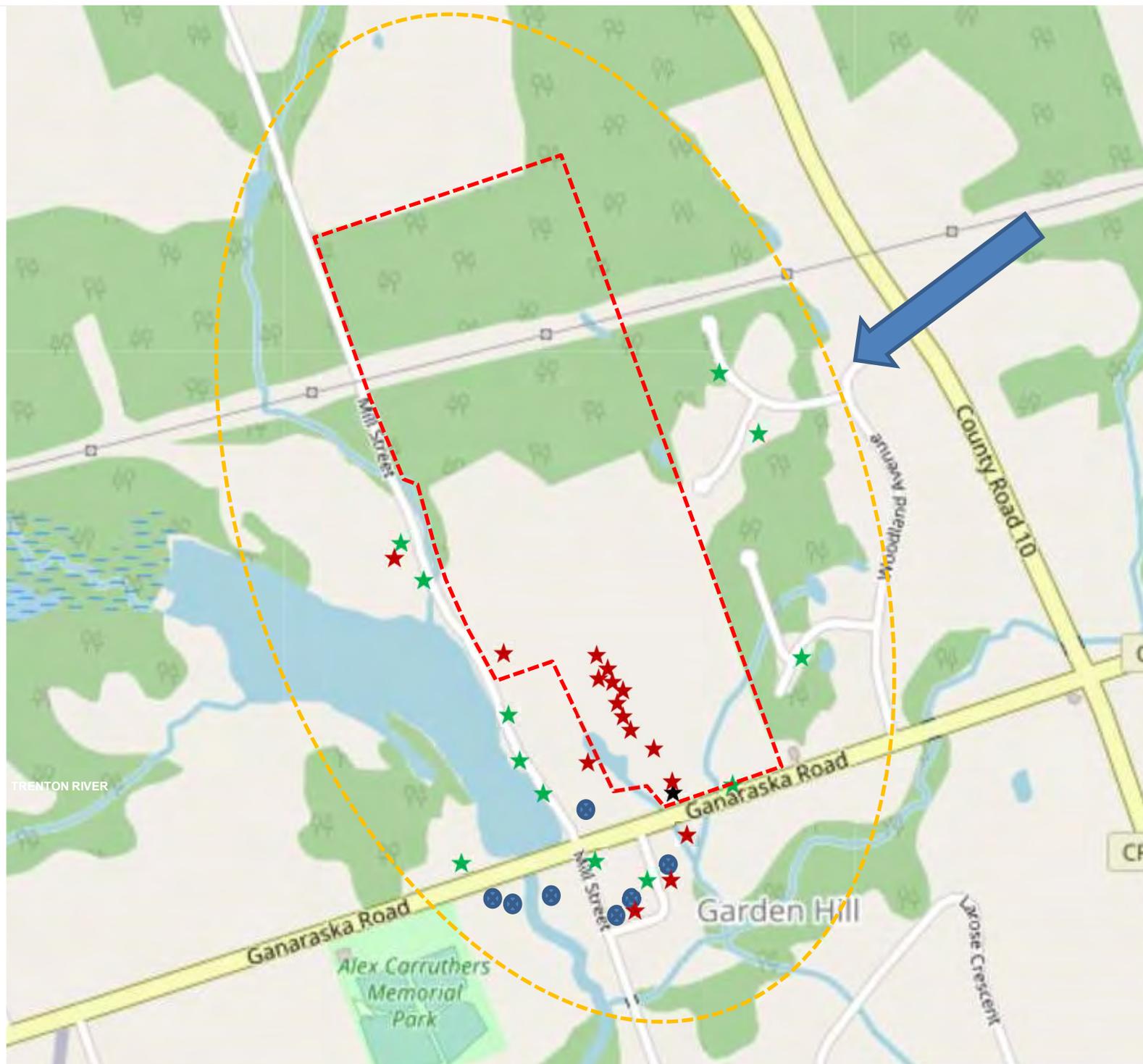
-  Phase One Site Boundary
-  Phase One Site Area
-  Groundwater Flow Direction
-  PCA 10
-  PCA 28
-  PCA 55
-  Water Supply Well



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 3:
PHASE ONE CONCEPTUAL SITE
MODEL

Scale: as shown





GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

1) Base drawing and information: obtained from the Ontario Ministry of Natural Resources and Forestry (MNR); "Make a Map" Natural Heritage Areas; <https://www.gisapplication.lrc.gov.on.ca/>, accessed May 2021

LEGEND:

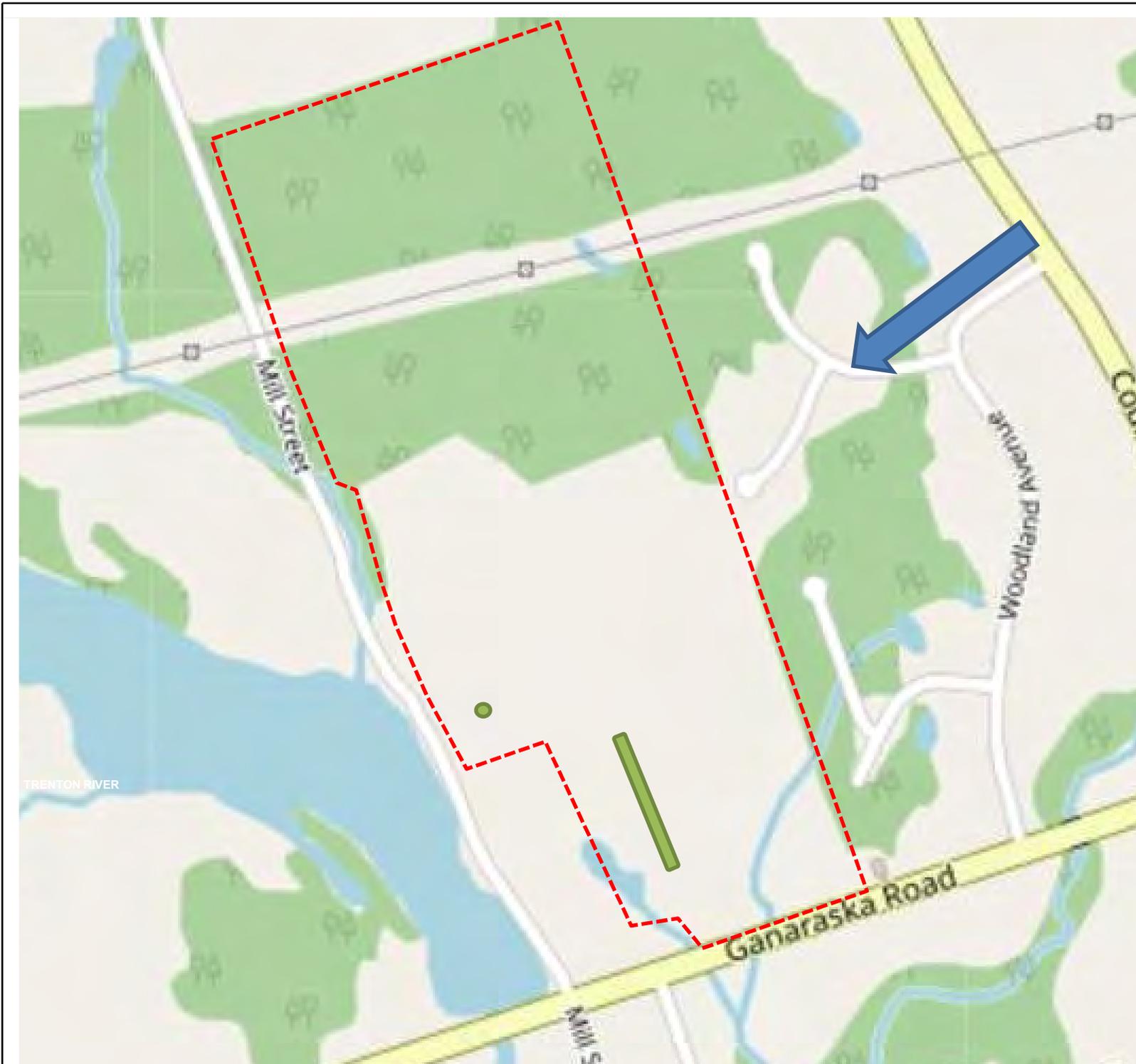
-  Phase One Property
-  Groundwater Flow Direction
-  APEC 1



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 5:
AREA OF POTENTIAL
ENVIRONMENTAL CONCERN

Scale: as shown





GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

 Phase One Site Boundary



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 5:
1928 AIR PHOTO

Scale: as shown



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

 Phase One Site Boundary



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 6:
1949 AIR PHOTO

Scale: as shown



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

Air photo from National Air Photo Library of Canada

LEGEND:

 Phase One Site Boundary



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 7:
1981 AIR PHOTO

Scale: as shown



GREER GALLOWAY
CONSULTING ENGINEERS
PETERBOROUGH
BELLEVILLE
KINGSTON
1620 WALLBRIDGE LOYALIST ROAD
BELLEVILLE, ONTARIO, K8N 4Z5
PHONE: 613-966-3068
FAX: 613-966-3087

NOTES:

Air photo from Google Earth (2015)

LEGEND:

 Phase One Site Boundary



PROJECT:
PHASE ONE ESA
3852 GANARASKA ROAD
CAMPBELLCROFT, ONTARIO

FIGURE 8:
2015 AIR PHOTO

Scale: as shown

Table 3: Potential Contaminating Activities within the Phase One Study Area

PCA Identification Number	Area of Potential Environmental Concern	Operational Stage	Company and Description	Location of Area of Potential Environmental concern in Phase One Study Area	Potential Environmental Concern	Data Source	Potentially Contaminating Activity	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, surface water, soil and or sediment)
1.	Phase One Property	Inactive (1 AST possibly active)	Fifteen (15) Aboveground fuel storage tanks (ASTs)	3852 Ganaraska Road	Surface and Sub-surface impacts from fuel storage	Site Reconnaissance Aerial Photographs	Item 28: Gasoline and Associated Products Storage in Fixed Tanks	BTEX, PHCs (F1-F4), Metals	Potential to impact soil and groundwater
2.	Phase One Property	Inactive	Mechanic garage active for 1 year (1946)	3852 Ganaraska Road	Surface and Sub-surface impacts from fuel storage	Site Interview	Item 10: Commercial Autobody Shop	BTEX, PHCs (F1-F4), Metals	Potential to impact soil and groundwater
3.	Phase One Study Area	Active	Residential Aboveground fuel storage tanks (ASTs)	3865 Ganaraska Road	Surface and Sub-surface impacts from fuel storage	Site Reconnaissance	Item 28: Gasoline and Associated Products Storage in Fixed Tanks	PHCs (F1-F4), Metals	Potential to impact groundwater
4.	Phase One Study Area	Active	Aboveground fuel storage tanks (ASTs) Located at the west side of the property.	8049 Mill Street	Surface and Sub-surface impacts from fuel storage	Site Reconnaissance	Item 28: Gasoline and Associated Products Storage in Fixed Tanks	PHCs (F1-F4), Metals	Potential to impact groundwater
5.	Phase One Study Area	Active	Aboveground fuel storage tanks (ASTs) associate with farm	8234 Mill Street	Surface and Sub-surface impacts from fuel storage	Site Reconnaissance	Item 28: Gasoline and Associated Products Storage in Fixed Tanks	PHCs (F1-F4), Metals	Potential to impact groundwater
6.	Phase One Study Area	Active	Residential Aboveground fuel storage tanks (ASTs)	7942 John Street	Surface and Sub-surface impacts from fuel storage	Site Reconnaissance	Item 28: Gasoline and Associated Products Storage in Fixed Tanks	PHCs (F1-F4), Metals	Potential to impact groundwater
7.	Phase One Study Area	Active	Residential Aboveground fuel storage tanks (ASTs)	7967 John Street	Surface and Sub-surface impacts from fuel storage	Site Reconnaissance	Item 28: Gasoline and Associated Products Storage in Fixed Tanks	PHCs (F1-F4), Metals	Potential to impact groundwater
8.	Phase One Study Area	Active	Distribution (Power) Transformers	(5) off Mill Street Road, (3) off Ganaraska Road, (1) off John Street, (1) off	Surface and Sub-surface impacts from transformer oil leak	Site Reconnaissance	Item 55: Transformer Manufacturing, Processing and Use	PCBs	Potential to impact soil, surface water and groundwater

				Porter Crescent, (1) off Wright Crescent and (1) off Frost Avenue					
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Table 4: Areas of Potential Environmental Concern

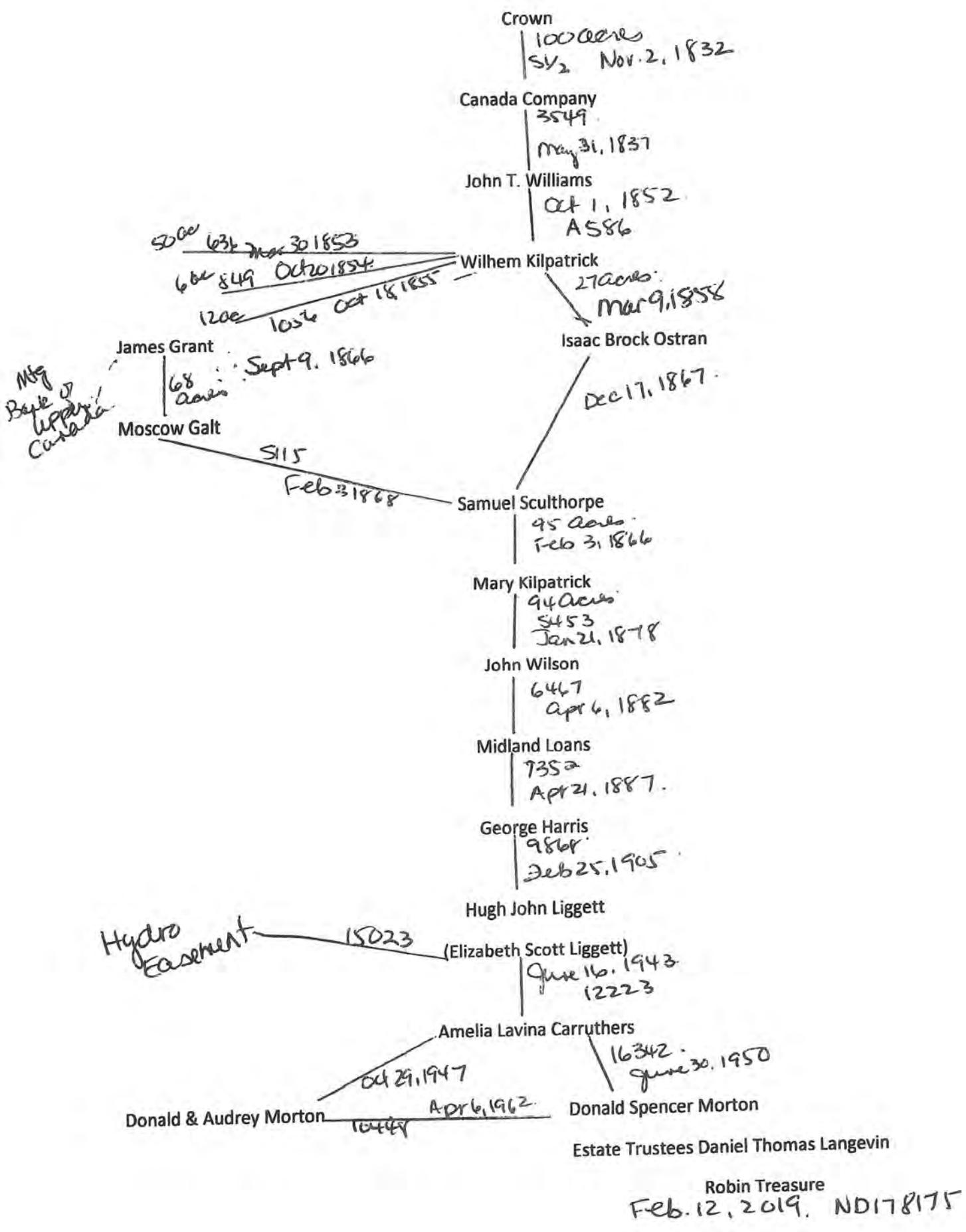
Area of Potential Environmental Concern #	Area of Potential Environmental Concern	Potential Contaminating Activity	Location of PCA	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, surface water, soil, air)	Possibility of contamination
1	Phase One Property	Item 28: Gasoline and Associated Products Storage in Fixed Tanks	Area North of the Barn, East of the pond and west of the agricultural field and additional tank is present on the west side of the western agricultural field near Mill Street	Metals, PHCs (F1-F4), BTEX	Soils	Low: the ASTs that constitute this APEC were transported and stored on the Phase One Property after being in use elsewhere. The one AST found to be potentially active is in good condition with no evidence of significant corrosion.

Table 5: 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		
Feb 12, 2019 - Present	Estate Trustees Daniel Thomas Langevin, Robin Treasure		Buildings no longer in use	Agricultural Use	Site Reconaissance		
Jun. 30, 1950 - Feb. 12, 2019	Donald Spencer Morton		Agricultural and Residential Building Present	Agricultural and Residential Use	Confirmed with Aerial Photography		
Jun. 16, 1943 - Jun. 30, 1950	Amelia Lavina Carruthers		Commercial building (mechanic garage) constructed and then converted to a residential dwelling	Agricultural/Commercial/ Residential Use	Interview		
Feb. 25, 1905 - Jun. 16, 1943	Hugh John Liggett		Agricultural	Agricultural Use	Agricultural use confirmed with aerial photography		
Apr. 21, 1887 - Feb. 25, 1905	George Harris		Agricultural	Agricultural Use	Interview		
Apr. 6, 1882 - Apr. 21, 1887	Midland Loans		Agricultural	Agricultural Use	Interview		
Jan. 21, 1878- Apr. 6, 1882	John Wilson		Agricultural	Agricultural Use	Interview		
Feb. 3, 1868- Jan. 21, 1878	Mary Kilpatrick		Agricultural	Agricultural Use	Interview		
Year	Name of Owner (27 Acres)		Year	Name of Owner (68 Acres)	Description of Property Use	Property Use	Other Observations from aerial photographs, fire insurance plans, etc
Dec. 7, 1867 - Feb. 3, 1868	Samuel Sculthorpe		Feb. 3, 1868 - Feb. 7, 1868	Samuel Sculthorpe	Agricultural	Agricultural Use	Interview
Mar. 9, 1858 - Dec. 7, 1867	Isaac Brock Ostran		Sep. 9, 1866 - Feb. 3, 1868	Moscow Galt	Agricultural	Agricultural Use	Interview
Oct. 1, 1852 - Mar. 9, 1858	Wilhem Kilpatrick		?- Sep. 9, 1866	James Grant	Agricultural	Agricultural Use	Interview
May. 31, 1837 - Oct. 1, 1852	John T. Williams		?	Bank of Upper Canada	Agricultural	Agricultural Use	Interview
Nov. 2, 1832 - May. 31, 1837	Canada Company				There is no developed property use	Agricultural Use	None
	Crown				There is no developed property use	Agricultural Use	None

Appendix A

Property Information



Teraview® Account: (SHEIFINL - SHEILA FINLAY)

Deposit Account Charges

For Docket (3852 GANAR - 3852 GANARASKA RD. PORT HOPE)

Report from 2021/04/01 (00:00:00) to 2021/04/01 (23:59:00)

Session Begun: 2021/04/01 15:43:19

User Name: SFinlay01

Description of Charges	Statutory Fee	ELRSA Fee	Other Fees	GST/HST	PST	Total
Image - Download Instrument	\$0.00	\$12.00	\$0.00	\$1.56	\$0.00	\$13.56
Parcel register, key LRO	\$8.70	\$21.75	\$0.00	\$2.83	\$0.00	\$33.28
Session Total	\$8.70	\$33.75	\$0.00	\$4.39	\$0.00	\$46.84

Session Begun: 2021/04/01 16:54:52

User Name: SFinlay01

Description of Charges	Statutory Fee	ELRSA Fee	Other Fees	GST/HST	PST	Total
Display parcel map (by PIN)	\$0.00	\$5.00	\$0.00	\$0.65	\$0.00	\$5.65
Session Total	\$0.00	\$5.00	\$0.00	\$0.65	\$0.00	\$5.65

Totals of All Sessions Combined

Description of Charges	Statutory Fee	ELRSA Fee	Other Fees	GST/HST	PST	Total
Display parcel map (by PIN)	\$0.00	\$5.00	\$0.00	\$0.65	\$0.00	\$5.65
Image - Download Instrument	\$0.00	\$12.00	\$0.00	\$1.56	\$0.00	\$13.56
Parcel register, key LRO	\$8.70	\$21.75	\$0.00	\$2.83	\$0.00	\$33.28
Total	\$8.70	\$38.75	\$0.00	\$5.04	\$0.00	\$52.49

Courier, handling, and copy charges incurred within the 3 hours immediately preceding the time of reporting may not be included.

Includes statutory services supplied on behalf of the Ontario Government under exclusive licence

Billing data more than two years old will not appear on this report

Teraview is a registered trademark of Teranet Inc.

123 Front Street West, Suite 700, Toronto, Ontario, M5J 2M2, Telephone: (800) 208-5263 or (416) 360-1190

GST: Goods and Services Tax / HST: Harmonized Sales Tax (BN#130867526)

PST: Provincial Sales Tax (#6234-9979)

Deposit Account Charges For Docket (3852 GANAR - 3852 GANARASKA RD. PORT HOPE)

LAND
REGISTRY
OFFICE #39

51052-0479 (LT)

PAGE 1 OF 1
PREPARED FOR SFinlay01
ON 2021/04/01 AT 15:44:53

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LT 16 CON 8 HOPE AS IN HPT16342 & PH10448; S/T HPT15023; PORT HOPE

PROPERTY REMARKS:

ESTATE/QUALIFIER:
FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:
FIRST CONVERSION FROM BOOK

PIN CREATION DATE:
2008/05/26

OWNERS' NAMES
LANGEVIN, DANIEL THOMAS
TREASURE, ROBIN
MORTON, DONALD SPENCER - ESTATE

CAPACITY SHARE
TWW
TWW

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 2008/05/23 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * AND ESCHEATS OR FORFEITURE TO THE CROWN.						
** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF						
** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY						
** CONVENTION.						
** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.						
**DATE OF CONVERSION TO LAND TITLES: 2008/05/26 **						
HPT15023	1941/10/01	TRANSFER EASEMENT			THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO	C
REMARKS: SKETCH ATTACHED.						
HPT16342	1950/10/21	TRANSFER	\$1,250		MORTON, DONALD SPENCER	C
PH10448	1962/09/04	TRANSFER	\$1		MORTON, DONALD SPENCER	C
ND178175	2019/02/12	TRANSMISSION-LAND		MORTON, DONALD SPENCER	LANGEVIN, DANIEL THOMAS TREASURE, ROBIN MORTON, DONALD SPENCER - ESTATE	C

N



PRINTED ON 01 APR, 2021 AT 16:55:57
FOR SFINLAY01

SCALE



PROPERTY INDEX MAP NORTHUMBERLAND(No. 39)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED



TOWNSHIP OF HOPE

Lot No. *Sixteen* in the *Eighth* Concession

DUCK

DUCK

No. of Instrument	Instrument	Its Date	Date of Registry	GRANTOR	GRANTEE	Quantity of Land	Consideration or Amount of Mortgage	REMARKS
	Grant	Nov 2. 1832		Shibboun	Canada Company	100 ac		S 1/2
	Grant	June 25 1844		Shibboun	Canada Company	100 ac		N 1/2
9-25149	B/S	May 22-1837	May 3-1837	Canada Company	John Williams	100 ac	\$100	S 1/2
7-579	Mtg	Oct 6-1852	Oct 9-1852	John Williams et al	Trust Loan Co	100 ac	\$200	with pt 17 1/2 7 Cn
4586	B/S	Oct 1-1852	Nov 9-1852	John Williams et al	William Kilpatrick	100 ac	\$200	S 1/2
2-636	Deed	May 30-1853	Oct 27-1853	Canada Company	John Robb	100 ac	\$15	N 1/2
2-849	B/S	Oct 20-1854	Oct 20-1854	Wm Kilpatrick et al	James Grant	50 ac	\$250	pt of S 1/2
2-1058	B/S	Oct 18-1855	Oct 19-1855	Wm Kilpatrick wife	James Grant	6 ac	\$30	
2-1074	B/S	Dec 24-1855	Dec 24-1855	Wm Kilpatrick wife	James Grant	12 ac	\$65	
2-1081	B/S	May 9-1855	May 9-1855	Wm Kilpatrick wife	George Brock Astrom	27 ac	\$350	S 1/2
2-1082	B/S	Oct 29-1856	May 10-1856	Wm Kilpatrick wife	Francis Beamish	12 ac	\$350	
2-1510	Reliq	Jan 6-1859	June 8-1859	Wm Kilpatrick et al	Edith White	3 ac	\$500	pt of S 1/2
2-1511	Reliq	Sept 11-1860	Sept 11-1860	John Robb et al	Thos & Robert et al	100 ac	\$100	N 1/2
2-1512	Reliq	May 7-1860	May 13-1860	James Hamilton Shiff	Bank of Upper Canada	68 ac	with other lands	S 1/2
2-1513	Reliq	May 13-1860	May 11-1860	John Robb et al	Mary Cross	100 ac	\$500	S 1/2
2-1514	Reliq	May 13-1860	May 1-1865	John Robb et al	Mary Cross	100 ac	\$509.44	S 1/2
2-1515	Reliq	Dec 29-1865	Dec 30-1865	James Grant wife	Bank of Upper Canada	48 ac	\$100	S 1/2
2-1516	Reliq	July 21-1866	July 21-1866	Francis Beamish	Wm Butterfield	68 ac	\$100	with other lands
2-1517	Reliq	Sept 27-1865	Sept 19-1866	Bank of Upper Canada	Mrs Galt & Bagels	68 ac		pt S 1/2
2-1518	Reliq	Nov 7-1867	Nov 7-1867	Robert Cassells	Wm Cayley	27 ac	\$100	pt S 1/2
2-1519	Reliq	Dec 17-1867	Dec 17-1867	Isaac B. Astrom wife	Samuel Seal Thorne	68 ac	\$200	pt S 1/2
2-1520	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	Samuel Seal Thorne	68 ac	\$200	pt S 1/2
2-1521	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	Mary Kilpatrick	95 ac	\$900	pt S 1/2
2-1522	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1523	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1524	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1525	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1526	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1527	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1528	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1529	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1530	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1531	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1532	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1533	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1534	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1535	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1536	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1537	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1538	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1539	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1540	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1541	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1542	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1543	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1544	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1545	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1546	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1547	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1548	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1549	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1550	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1551	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1552	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1553	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1554	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1555	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1556	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1557	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1558	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1559	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1560	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1561	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1562	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1563	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1564	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1565	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1566	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1567	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1568	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1569	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1570	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1571	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1572	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1573	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1574	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1575	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1576	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1577	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1578	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1579	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1580	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1581	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1582	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1583	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1584	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1585	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1586	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1587	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1588	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1589	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1590	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1591	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1592	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1593	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1594	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1595	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1596	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1597	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1598	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1599	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2
2-1600	Reliq	Jan 23-1868	July 3-1868	Isaac B. Astrom	John Powers	95 ac	\$900	pt S 1/2

HPT 15023

3 Pages + Plan

4

This Agreement made in duplicate this 22nd day of November, 19 40.

Between

ELIZABETH SCOTT LIGGITT,

hereinafter called the Grantor

AND

The Hydro-Electric Power Commission of Ontario, hereinafter called the Grantee

Witnesseth:

1. THE Grantor is entitled in fee simple, and in possession free from encumbrances and easements of the land hereinafter described.

2. PURSUANT to the Power Commission Act and amendments thereto, the Grantee has erected, or is about to erect a line for the transmission of electrical energy over the said lands.

3. IN CONSIDERATION of the sum of ----- Sixty-Five ----- Dollars of lawful money of Canada, now paid by the Commission to the Grantor (the receipt whereof is hereby acknowledged) the Grantor hereby grants and conveys in perpetuity to the Grantee, its successors and assigns the right and easement:

(a) To erect and maintain -- One --- Towers ----- Poles ----- Anchors and to string wires thereon and to operate the same from the date of this Agreement, upon the land and premises known and described as:—

ALL AND SINGULAR all that portion of Lot 16, Concession VIII, in the Township of Hope, in the County of Durham, as shown edged in red on the attached print of Plan No. 204-3267, and being a strip of land 150 feet in width lying 75 feet measured perpendicularly from a centre line and centre line produced, which may be located as follows:

COMMENCING at a point in the limit between Lots 15 and 16, distant 2431.5 feet measured northwesterly along said limit from the southeasterly angle of said Lot; THENCE South 75 degrees and 55 minutes West, 397.50 feet; THENCE South 76 degrees and 32 minutes West, 950.79 feet to the western limit of said Lot 16.



(b) To keep the said land as described clear of all trees except fruit trees which shall not exceed twelve feet in height, and to cut or trim from time to time such trees outside said land as the Commission may consider necessary for the operation and maintenance of the said line and necessary equipment.

(c) To erect such gates or bridges as the Commission may consider necessary and that the servants, agents and workmen of the Commission may at all times pass and repass with any equipment along said line to examine, repair and renew the said line subject to the payment by the Commission of such sum as may be determined for any crop or other damage sustained by the owner due to the operation, maintenance or renewal of the said line.

(d) To remove, re-locate and reconstruct along the centre of the said line any of the supporting structures, subject to payment by the Commission of any additional compensation as may be determined for damage created thereby.

4. THE Grantor covenants, promises and agrees not to erect upon the said land any buildings, structures, or other obstructions of any nature whatsoever which may interfere with the safe and efficient operation of the line.

5. ALL covenants herein contained shall be construed to be several as well as joint, and wherever the singular is used throughout this Agreement, the same shall be construed as meaning the plural where the context or the parties hereto so require.

6. THE burden and benefit of this Agreement is to run with the said land and shall extend to, be binding upon and enure to the benefit of the Grantor, his executors and assigns, and to the Grantee, its successors and assigns.

Signed, Sealed and Delivered
In the Presence of

 Av. Lambert
WITNESS.

NAME *E. S. Liggett*
ADDRESS _____

RECEIVED

3

HPT, 15023 -
Hope



Dated November 22nd, 19 40.

ELIZABETH SCOTT LIGGITT

To
The Hydro-Electric Power Commission
of Ontario
Property Department
620 University Avenue
Toronto - Ontario

Grant of Lixement
for
TRANSMISSION LINES

County Durham,
Township Hope,
Con. VIII,
Lot. 16.

**PROPERTY OF THE
REGISTRY OFFICE**

I Certify _____ that the
within Instrument is duly entered and
Registered in the Registry Office for the
Registry Division of the East Riding of the
County of Durham in Book 32 for the
Township of Hope at 11
o'clock A.M. of the 1st day of
October A.D. 19 41 -
Number 15023 -

J. A. Elliott
Registrar

Sham before me at the City
of Montreal in the
County of York 30th day of
this September in the year of
our Lord 1941,
Wilmot J. Campbell
A Commissioner for taking Affidavits, etc.

Arthur W. Hampson

- 1. That I was personally present and did see the within Instrument and Duplicate thereof duly signed, sealed and executed by Elizabeth Scott Liggitt
- 2. That the said Instrument and Duplicate were executed by the said party at the Township of Hope
- 3. That I know the said party
- 4. That I am a subscribing witness to the said Instrument and Duplicate.

one of the parties thereto.

Quantity of
York
TO WIT: }
in the County of York
of the City of Montreal
of the County of York
of Montreal
of York
make oath and say:

LOT 18

LOT 17

LOT 16

LOT 15

LOT 14

LOT 13

FRANK S ALLEN

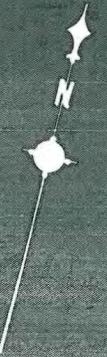
ELIZABETH SCOTT LIGGITT

CHARLES STEWART WRIGHT

CONCESSION VIII

CONCESSION VII

COUNTY OF DURHAM
TOWNSHIP OF HOPE



This Plan is Prepared from Original (C.O.) Plans only.

Note: Bearings are Approximate and are referred to Magnetic North. The S.W. angle of Lot 14 refers to W of Hamilton.

Surveyed by C.W. Telford
Date of Survey July, 1940

C.W. Telford

HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
PROPERTY DEPARTMENT
INTER-PROV.-BDRY.- BROOKLIN JCT.-NA 93-74
PLAN SHOWING EASEMENT EDGED IN RED WITH CENTRE LINE IN RED ACQUIRED ON
PART OF LOTS 14, 15, 16 AND 17
CON VIII
TOWNSHIP OF HOPE
COUNTY OF DURHAM
1 in = 300 feet July 9th 41

PLAN NO.	NA 93-34-3	3267
----------	------------	------

16342

8

This Indenture

made (in Duplicate) the 30th day of June
one thousand nine hundred and fifty

In Pursuance of The Short Forms of Conveyances Act:

Between

CLARENCE DEYELL CARRUTHERS, of the City of Toronto, in the County of York,

ALEXANDER HUGH CARRUTHERS, of the Township of Hope, in the County of Durham,

EDITH LAURINDA CARRUTHERS, of the said Township of Hope, Spinster, hereinafter called the Grantors,

OF THE FIRST PART, and

DONALD SPENCER MORTON, of the said Township of Hope, Farmer, hereinafter called the Grantee,

OF THE SECOND PART, and

KILLEN CARRUTHERS, wife of Clarence Deyell Carruthers and YVONNE CARRUTHERS, wife of Alexander Hugh Carruthers,

OF THE THIRD PART,

WHEREAS Amelia Levina Carruthers, late of the said Township of Hope, Widow, deceased, died a widow and intestate on or about the 21st day of May, 1949, leaving her surviving the Grantors as her only next-of-kin.

AND WHEREAS the said deceased was at the time of her death seized of an Estate in fee simple of land hereinafter described.

AND WHEREAS no Letters of Administration of the said deceased have been or will be applied for,

Witnesseth that in consideration of TWELVE HUNDRED AND FIFTY-

----- (\$1250.00) ----- Dollars

of lawful money of Canada now paid by the said Grantee to the said Grantors (the receipt whereof is hereby by them acknowledged), the said Grantors DO GRANT unto the said Grantee in fee simple

All and Singular that certain parcel or tract of land and premises situate, lying and being in the Township of Hope, in the County of Durham, being composed of the South half of Lot 16 in the Eighth Concession of the said Township save and except the following parcels.

FIRSTLY that part of the said South half described as follows:-
COMMENCING at the intersection at the South limit of said Lot with the east limit of the Substituted Road Allowance running through said Lot in lieu of allowance for road/Lots 16 and 17 in the said Eighth Concession. THENCE easterly along said South limit of Lot

T W
DEED
Notary
Toronto

12 rods; THENCE Northerly at right angles to said Southerly limit of Lot 20 rods. THENCE Westerly parallel with said South limit of Lot 16 rods more or less to the East limit of said Substituted Road Allowance. THENCE Southerly along said Substituted Road Allowance to the Place of Beginning. The parcel hereby excepted comprising the land described in Instrument No. 3908 and the land lying East of the Substituted Road Allowance described in Instrument No. 3756 for the Township of Hope.

SECONDLY part of said South half described as follows:- COMMENCING at the North-west angle of the parcel Firstly above excepted on the East limit of said Substituted Road Allowance. THENCE Easterly parallel with the South limit of the said Lot 16 rods more or less to the North-east angle of the parcel Firstly above excepted. THENCE Northerly at right angles to said Southerly limit of Lot 32 rods 4 links exactly to a point. THENCE Westerly parallel with said Southerly limit of Lot 21 rods more or less to the East limit of said Substituted Road Allowance. THENCE Southerly along the East limit of said Substituted Road Allowance 32 rods, 4 links more or less to the Place of Beginning. The parcel hereby excepted comprising the land described in Instrument No. 9004 for the Township of Hope.

THIRDLY all that part of said South half lying West of said Substituted Road Allowance.

FOURTHLY all that part of said South half described as follows:- COMMENCING at a point in said South limit distant Westerly 300 feet from the South-east angle of said Lot. THENCE Westerly along said South limit of Lot 430 feet. THENCE Northerly at right angles to said South limit of Lot 100 feet. THENCE Easterly parallel with said South limit of Lot 100 feet. THENCE Northerly at right angles to said South limit of Lot 296 feet. THENCE Easterly parallel with said South limit of Lot 330 feet. THENCE Southerly at right angles to said South limit of Lot 396 feet to Place of Beginning. The parcel hereby excepted being the land described in Instrument 15855 for the Township of Hope.

FIFTHLY that part of said South half described as follows:- COMMENCING at a point in the South limit of said Lot distant Easterly 12 rods from the intersection of the said South limit with the East limit of the Substituted Road Allowance running through said Lot in

lieu of the original road allowance, between Lots 16 and 17 in the said Eighth Concession. THENCE Easterly along said South limit 154 feet. THENCE Northerly at right angles to said South limit 165 feet. THENCE Westerly parallel with said South limit 154 feet. THENCE Southerly at right angles to said road allowance 165 feet to the Place of Beginning. The parcel hereby excepted being bounded on the West by the land described in Instrument 3908 for the Township of Hope.

SUBJECT TO Easement granted to the Hydro Electric Power Commission of Ontario by deed registered as No. 15023 for said Township.

To have and to hold unto the said Grantee his heirs and assigns,
to and for his and their sole and only use for ever.
SUBJECT NEVERTHELESS to the reservations, limitations, provisos and conditions,
expressed in the original grant thereof from the Crown.

Mileen
Carruthers
Parents
DEED
With
Cover

THE said Grantors COVENANT with the said Grantee that they have the
right to convey the said lands to the Grantee notwithstanding any act of the said
Grantors

AND that the said Grantee shall have quiet possession of the said lands free from all
incumbrances.

AND the said Grantors COVENANT with the said Grantee that they will
execute such further assurances of the said lands as may be requisite.

AND the said Grantors COVENANT with the said Grantee that they have
done no act to incumber the said lands.

AND the said Grantors RELEASE to the said Grantee ALL claims upon the said
lands.

AND the said Mileen Carruthers and Yvonne Carruthers
wives of the said Grantors hereby bear power in the said lands.
Clarence Deyell Carruthers and Alexander Hugh Carruthers
their

IN WITNESS WHEREOF the said parties have hereunto set their hands and seals.

SIGNED, SEALED and DELIVERED

In the presence of

As for Execution by
Alexander Hugh Carruthers
Edith Laurinda Carruthers
Yvonne Carruthers

Kathleen S. Mitchell

As for Execution by:
Clarence Deyell Carruthers
Mileen Carruthers

Frank G. Boston

Clarence Deyell Carruthers

Edith Laurinda Carruthers

Yvonne Carruthers

Mileen Carruthers

Alexander Hugh Carruthers

THE REGISTRY ACT

COUNTY OF

Durham

AFFIDAVIT AS TO MARRIAGE STATUS

TO WIT: }

I, ALEXANDER HUGH CARRUTHERS,
in the within instrument named make oath and say:

Strike out
words and
parts not
applicable
and initial

~~THAT at the time of the execution and delivery by me of the within instrument I was
legally married to [name] of the County of [name] Province of [name]~~

HUSBAND

THAT at the time of the execution and delivery by me of the within instrument I was
legally married to Yvonne Carruthers, the person joining
therein as my wife to bar her dower and was of the full age of twenty-one years or

WIFE

~~THAT at the time of the execution and delivery of the within instrument I was legally
married to [name] of the County of [name] Province of [name]~~

SWORN before me at the Town
of Port Hope
in the County
of Durham
this 30th day of June
A.D. 1950

Alex Carruthers

Stewart [Signature]

A Commissioner for taking Affidavits, etc.

AFFIDAVIT AS TO MARRIAGE STATUS
UNDER THE REGISTRY ACT AND LAND TITLE ACT

COUNTY OF
York TO WIT:

I, CLARENCE DEVELL CARRUTHERS,
in the within instrument named make oath and say:

~~THAT the contents of the within instrument in relation to the within instrument I was~~
~~instructed to execute and deliver by me of the within instrument I was~~

Strike out words and parts not applicable and initial.

✓ ✓ **MS** THAT at the time of execution and delivery by me of the within instrument I was legally married to MILLEN CARRUTHERS, the person joining therein as my wife to her her dowry and was of the full age of twenty-one years or

Married man - wife joining.

~~THAT the contents of the within instrument in relation to the within instrument, I was not legally~~
~~married to the person named therein~~
~~in the within instrument and I was not at the time of the execution and delivery of the within instrument~~

Married woman.

SWORN before me at the City
of Toronto
in the County
of York
this 10th day of August
19 50

Cl Carruthers

Wanda N. Leonard
Commissioner for taking Affidavits, etc.

AFFIDAVIT UNDER LAND TRANSFER TAX ACT
In the Matter of The Land Transfer Tax Act.

Province of Ontario
County of Durham

I, ALEXANDER HUGH CARRUTHERS,
of the Township of Hope,
in the County of Durham,
To Wit: School Teacher, make oath and say:

- I am one of the Grantors, named in the within (or annexed) transfer.
- I have a personal knowledge of the facts stated in this affidavit.
- The true amount of the monies in cash and the value of any property or security included in the consideration is as follows:

This affidavit may be made by the purchaser or vendor or by any one acting for them under power of attorney or by an agent accredited in writing by the purchaser or vendor or by the solicitor of either of them.

(a) Monies paid in cash	\$ Nil	\$ 1250.00
(b) Property transferred in exchange; Equity value \$	Nil	Nil
Encumbrances \$	Nil	Nil
(c) Securities transferred to the value of		Nil
(d) Balances of existing encumbrances with interest owing at date of transfer		Nil
(e) Monies secured by mortgage under this transaction		Nil
(f) Liens, annuities and maintenance charges to which transfer is subject	Nil	1250.00
Total consideration		\$ 1250.00

All blanks must be filled in.

Clause 4, 5 and 6 should be struck out if not applicable or necessary.

SWORN before me at the Town
of Port Hope,
in the County
of Durham,
this 30th day of June,
19 50.

Alexander Hugh Carruthers

A Commissioner for taking Affidavits, etc.

County OF Durham TO WIT: } I, KATHLEEN SUTHERLAND MITCHELL of the Town of Port Hope County of Durham Stenographer, in the County of Durham make oath and say:

1. THAT I was personally present and did see the within or annexed Instrument and a duplicate thereof duly signed, sealed and executed by Alexander Hugh Carruthers, Edith Laurinda Carruthers and Yvonne Carruthers three of the parties thereto.
2. THAT the said Instrument and duplicate were executed by the said parties at the Town of Port Hope
3. THAT I know the said parties
4. THAT I am a subscribing witness to the said Instrument and duplicate.

SWORN before me at the Town of Port Hope in the County of Durham this 30th day of June A.D. 1950
Kathleen S. Mitchell
 A Commissioner for taking Affidavits, etc.

County OF York TO WIT: } I, Frank George Ashton of the City of Toronto in the County of YORK make oath and say:

1. THAT I was personally present and did see the within or annexed Instrument and a duplicate thereof duly signed, sealed and executed by Clarence Deyell Carruthers and Eileen Carruthers two of the parties thereto.
2. THAT the said Instrument and duplicate were executed by the said parties at the City of Toronto
3. THAT I know the said parties
4. THAT I am a subscribing witness to the said Instrument and duplicate.

SWORN before me at the City of Toronto in the County of York this 10th day of August A.D. 1950
Frank G. Ashton
 A Commissioner for taking Affidavits, etc.

-16347-
 Hope
 Dated June 30th 1950
 Page 332 BR 2
 CLARENCE DEYELL CARRUTHERS
 et al

-- TO --
 DONALD SPENCER MORTON
 Address: Garden Hill, Ontario.

Bed of Land
 SITUATE
 in the Township of Hope

The Molson Settlement, Toronto
 2.50
 PROPERTY OF THE
 REGISTRY OFFICE
 H. R. S. RYAN, K.O.,
 2 Caven Street,
 Port Hope, Ontario.
 4.55

I Certify that the within Instrument is duly entered and Registered in the Registry Office for the Registry Division of the East Riding of the County of Durham in Book 235 for the Town of Hope at 12:46 o'clock P.M. of the 31st day of October 1950
[Signature]
 Registrar
 Number 16347

This Indenture

made in duplicate the 16 day of April
one thousand nine hundred and sixty two.

Between

AUDREY SARAH MARY MORTON, of the
Township of Hope, in the County
of Durham, Married Woman,
hereinafter called the "GRANTOR"

OF THE FIRST PART

and

DONALD SPENCER MORTON, of the
said Township of Hope, Farmer,
hereinafter called the "GRANTEE"

OF THE SECOND PART



Witnesseth that in consideration of other good and valuable consideration and the sum of One (\$1.00)

dollars now paid by the Grantee to the Grantor (the receipt whereof is hereby by her acknowledged), She, the Grantor, doth hereby grant, release and quit claim unto the Grantee his heirs and assigns, all estate, right, title, interest, claim and demand whatsoever, both at law and in equity or otherwise howsoever, and whether in possession or expectancy, of the Grantor, of, in, to or out of all and singular that certain

parcel or tract of land, situate lying and being in the Township of Hope, in the County of Durham and being composed of part of Lot 16 in the 16th Concession of the said Township, more particularly described as follows:-

COMMENCING at a point in the southerly limit of said lot distant westerly along said limit 300 feet from the south easterly angle

of the said lot;

THENCE westerly along the said southerly limit 430 feet;

THENCE northerly at right angles to the said southerly limit 100 feet;

THENCE easterly parallel to the said southerly limit 100 feet;

THENCE northerly at right angles to the said southerly limit 296 feet;

THENCE easterly parallel to the said southerly limit 330 feet;

THENCE southerly at right angles to the said southerly limit 396 feet more or less to the place of beginning.

TOGETHER with a right of way for all purposes in common with the owners and occupants of adjoining land and all others entitled thereto over a strip of land 15 feet in width commencing at the south-westerly angle of the land herein described and running northerly 100 feet;

TOGETHER ALSO with the right to dam the stream crossing the said land and the right to flood the land of the grantor on the south half of said lot 16, east and north of the land hereby conveyed to the extent only that may be required to provide for the needs of a dwelling house on the land hereby conveyed.

63555

TO HOLD the said lands
his heirs and assigns, forever.

unto and to the use of the Grantee

RECORDED

In Witness Whereof the said parties hereto have hereunto set their hands and seals.

Signed, Sealed and Delivered
in the presence of

Helen M. J. White

Audrey S. M. Morton
Audrey Sarah Mary Morton



COMBINED AFFIDAVIT AS TO LEGAL AGE AND MARITAL STATUS

Province of Ontario
COUNTY
of
DURHAM

AUDREY SARAH MARY MORTON
of the Township of Hope
in the County of Durham

Strike out words and parts not applicable and initials.
If Attorney see footnote.

in the within instrument named as the party and say that the time of the execution of the within instrument,
1. I was of the full age of twenty-one years; and I was lawfully married to the Grantee, Donald Spencer Morton.

~~XXXXXX~~

~~who also executed the within instrument on the 16th day of April 1962~~

~~XXXX was legally married to the Grantee named herein as my wife/husband;~~

~~XXXX was unmarried at the time of the execution~~

SWORN before me at the : TOWN
of Port Hope
in the County
of Durham
this 16th day of April
19 62

Audrey S. M. Morton

A Commissioner for taking Affidavits.

NOTE: If Attorney, substitute in space provided "I am Attorney for _____ (State Name) _____ one of the parties named herein and he/she was of the full age of twenty-one years"

AFFIDAVIT UNDER LANDS TRANSFER TAX ACT

In the Matter of The Land Transfer Tax Act

Province of Ontario
COUNTY
of
DURHAM
AUDREY SARAH MARY MORTON
of the Township of Hope
in the County of Durham

To Wit: I make oath and say:

1. I am the Grantee named in the within (or annexed) transfer.
2. I have personal knowledge of the facts stated in this affidavit.
3. The true amount of the monies in cash and the value of any property or security included in the consideration is as follows:

(a) Monies in cash	\$ 1.00
(b) Property in exchange for Equity value \$	nil
Exemptions \$	nil
(c) Securities included to the value of	nil
(d) Balances of mortgages or other loans with interest owing at date of transfer	nil
(e) Monies used for mortgage on this transaction	nil
(f) Liens, mortgages and maintenance charges to which transfer is subject	nil
Total consideration	\$ 1.00

All blanks must be filled in

4. If consideration is made for the transfer for natural love and affection? yes
5. If so, what is the relationship between Grantor and Grantee? wife - husband

This affidavit may be made by the purchaser or vendor or by any one acting for them under power of attorney or by an agent accredited in writing by the purchaser or vendor or by the solicitor of either of them.

Clause 4, 5, and 6 should be struck out if not applicable or necessary.

SWORN before me at the TOWN
of Port Hope
in the County
of Durham
this 16th day of April
19 62

Audrey S. M. Morton

A Commissioner for taking Affidavits.

Affidavit of Execution

PROVINCE OF ONTARIO
COUNTY
OF
DURHAM

I, HELEN MARGARET JANE WHITE

of the Town of Port Hope
in the County of Durham

do hereby certify that the foregoing is a true and correct copy of the original instrument and duplicate thereof duly signed, sealed and executed by Audrey Sarah Mary Mackinnon one of the parties thereto.

- 2. THAT the said instrument and duplicate were executed by the said party at the Town of Port Hope in the County of Durham
- 3. THAT I know the said party
- 4. THAT I am a subscribing witness to the said Instrument and duplicate

SWORN before me at the Town of Port Hope in the County of Durham this 17th day of April 1962

Helen M. J. White

[Signature]
A Commissioner, etc.

AD
P529132

70 10 4 4 8
Hope

Dated 16 April 19 62

AUDREY SARAH MARY MORTON

TO

DONALD SPENCER MORTON

Address

Quit Claim Deed

United Stationery Co. Ltd., Toronto

I certify that the within instrument is duly entered, registered and microfilmed in the Registry Office for the Registry Division of the East Riding of the County of Durham at 4.50'clock P.M. of the 4 day of Sept. 1962 as Number N 10448 for the Term of

Sept.
E. M. Ainslie Registrar

HONEY & BROOKS,
Barristers, etc.,
71 Walton Street,
Port Hope, Ontario.

6.00

Representative-Land

Applicant(s) hereby applies to the Land Registrar

Properties

51052 - 0479 LT
Location PT LT 16 CON 8 HOPE AS IN HPT, (M/L 9-HPY10A4) S/T HPT 15023; PORT HOPE
Address PORT HOPE

Deceased(s)

MORTON, DONALD S
Address for Service
Date of death was 2018/10/05

Applicant(s) Capacity Share

LANGEVIN, DANIEL Estate Trustee With A Will
Address for Service 5998 Ganaraska Road, Cambridge, Ontario L1A 1B0

The applicant is entitled to be the owner by law, as Estate Trustee of the estate of the deceased owner.
This document is not authorized under Power of Attorney for this party.

TREASURE, ROBIN Estate Trustee With A Will
Address for Service 918 Carlisle Street, Cobourg, Ontario K9A 0C1

The applicant is entitled to be the owner by law, as Estate Trustee of the estate of the deceased owner.
This document is not authorized under Power of Attorney for this party.

Comments

The debts of the deceased are paid in full
The applicant is appointed as Estate Trustee with a will by the Superior Court of Justice Court, under file number ES2018-0237, dated 2018/11/30 and is still in full force and effect.

Signed By

J. Douglas Mann acting for Applicant(s) Signed 2019 02 12
1100 Walton St
Port Hope
L1A 1N5

Tel: 905-885-2451
Fax: 905-885-7474

I have the authority to sign and register the document on behalf of the applicant(s).

Submitted By

MCCracken & Associates 2019 02 12
1100 Walton St
Port Hope
L1A 1N5

Tel: 905-885-2451
Fax: 905-885-7474

Fees/Taxes/Payment

Statutory Registration Fee \$0.00
Taxes Paid \$0.00

File Number

Deceased Client File Number : 71700

Appendix B

ERIS Report



DATABASE REPORT

Project Property: *Phase One ESA 3852 Ganaraska Road
3852 Ganaraska Road
Campbellcroft ON L0A 1B0*

Project No:

Report Type: *RSC Report - Quote*

Order No: *21040100412*

Requested by: *Greer Galloway*

Date Completed: *April 7, 2021*

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Executive Summary

Property Information:

Project Property: *Phase One ESA 3852 Ganaraska Road
3852 Ganaraska Road Campbellcroft ON L0A 1B0*

Project No:

Order Information:

Order No: *21040100412*
Date Requested: *April 1, 2021*
Requested by: *Greer Galloway*
Report Type: *RSC Report - Quote*

Historical/Products:

Topographic Map *RSC Maps*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	0	0
CA	<i>Certificates of Approval</i>	Y	0	0	0
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Manufacturers and Distributors</i>	Y	0	0	0
CHM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
DTNK	<i>Delisted Fuel Tanks</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	0	0
ECA	<i>Environmental Compliance Approval</i>	Y	0	0	0
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	0	0
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of Expired Fuels Safety Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FRST	<i>Federal Identification Registry for Storage Tank Systems (FIRSTS)</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	0	0
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	0	0
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	0	0
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	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	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	0	0
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	1	68	69
Total:			1	68	69

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
1	WWIS		lot 16 con 8 ON <i>Well ID:</i> 4512679	SSW/0.0	-4.60	23

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		lot 16 con 8 ON Well ID: 1902173	SSE/4.3	-5.96	26
3	WWIS		lot 16 con 8 ON Well ID: 4505035	S/9.9	-5.96	29
4	WWIS		CTY RD 9 (CHURCH) lot 15 con 8 GARDEN HILL ON Well ID: 7220244	SE/11.2	-7.97	32
5	WWIS		lot 16 con 8 ON Well ID: 1902174	SSE/13.3	-8.00	40
6	WWIS		3988 FROST AVE lot 8 con 6 GARDENHILL ON Well ID: 7042727	SE/16.0	-7.05	42
7	WWIS		8109 MILL ST. lot 17 con 7 GARDEN HILL ON Well ID: 7121498	S/16.1	-6.00	48
8	WWIS		lot 16 con 7 ON Well ID: 4507011	SSE/28.8	-10.12	55
9	WWIS		lot 16 con 7 ON Well ID: 1902697	SSE/30.5	-10.74	58
10	WWIS		lot 17 con 8 ON Well ID: 4509418	WSW/31.2	-12.25	61
11	WWIS		3907 GANARASKA RD. lot 16 con 7 CAMPBELLCROFT ON Well ID: 7233168	SE/33.7	-10.00	64
12	WWIS		8115 MILL ST N, RR1 lot 16 con 8 GARDEN HILL ON Well ID: 4514159	S/33.9	-4.95	71
13	WWIS		lot 14 con 8 ON	N/36.7	4.00	79

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 4504521			
14	WWIS		lot 16 con 7 ON Well ID: 1902134	SSE/49.0	-10.27	82
15	WWIS		231 WRIGHT CRES. lot 15 con 8 GARDEN HILL ON Well ID: 7236816	NE/51.4	5.00	85
16	WWIS		CTY RD 9 lot 16 con 7 GARDEN HILL ON Well ID: 7326753	SE/53.2	-10.00	90
17	WWIS		lot 15 con 8 ON Well ID: 4513073	ENE/54.1	5.00	97
18	WWIS		8081 CALDWELL COURT lot 15 con 8 GARDENHILL ON Well ID: 7042624	ESE/55.3	-2.32	101
19	WWIS		lot 17 con 8 ON Well ID: 4506050	WNW/59.1	-1.63	108
20	WWIS		lot 18 con 7 ON Well ID: 4509964	ENE/65.7	4.14	112
21	WWIS		lot 16 con 7 ON Well ID: 4505584	SSE/72.0	-8.92	115
22	WWIS		8234 MILL ST lot 17 con 8 ON Well ID: 7177004	WSW/73.6	-10.54	118
23	WWIS		lot 16 con 7 ON Well ID: 4504798	SSE/83.4	-9.00	126
24	WWIS		lot 14 con 8 ON Well ID: 4508346	ENE/89.7	3.19	129
25	WWIS		lot 16 con 7 ON Well ID: 1902131	SSE/90.0	-10.03	132
26	WWIS		lot 15 con 8 ON	E/98.4	0.69	135

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 4509592			
27	WWIS		lot 15 con 8 ON Well ID: 4512284	E/99.0	0.69	139
28	WWIS		8064 COLDWELL COURT lot 5 con 8 GARDEN HILL ON Well ID: 4514529	ESE/99.2	-3.69	143
29	WWIS		lot 16 con 7 ON Well ID: 4507062	SSE/99.7	-10.03	150
30	WWIS		lot 16 con 7 ON Well ID: 4508925	SSE/108.1	-10.03	154
31	WWIS		lot 16 con 7 ON Well ID: 4508926	SSE/108.3	-10.03	157
32	WWIS		lot 15 con 7 ON Well ID: 1902127	SE/118.0	-11.03	160
33	WWIS		lot 20 con 8 ON Well ID: 4508763	ENE/124.3	1.83	163
34	WWIS		lot 15 con 8 ON Well ID: 4512471	E/133.6	0.55	167
35	WWIS		lot 17 con 7 ON Well ID: 4507063	S/135.8	-9.61	170
36	WWIS		lot 16 con 7 ON Well ID: 1903703	SSE/138.5	-7.96	174
37	WWIS		lot 16 con 7 ON Well ID: 4512271	SSE/143.6	-7.96	178
38	WWIS		220 WRIGHT CRES. lot 15 con 8 CAMPBELLCROFT ON Well ID: 7143690	ENE/152.1	3.73	182
39	WWIS		lot 15 con 8 ON	ESE/153.1	-4.21	188

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 4508153			
40	WWIS		lot 16 con 7 ON Well ID: 1902133	SSE/157.0	-13.67	192
41	WWIS		WRIGHT CRES lot 15 con 8 GARDEN HILL ON Well ID: 4514073	ENE/163.0	4.25	196
42	WWIS		lot 16 con 7 ON Well ID: 4510271	SSE/165.0	-9.00	203
43	WWIS		lot 15 con 8 ON Well ID: 4508152	ESE/171.5	-4.00	206
44	WWIS		lot 16 con 7 ON Well ID: 1902132	SSE/171.8	-12.25	210
45	WWIS		lot 15 con 8 ON Well ID: 4513522	NNE/179.7	8.00	213
46	WWIS		lot 15 con 8 ON Well ID: 4513276	NNE/180.8	8.00	216
46	WWIS		lot 15 con 8 ON Well ID: 4513307	NNE/180.8	8.00	220
46	WWIS		lot 15 con 8 ON Well ID: 4513337	NNE/180.8	8.00	223
47	WWIS		lot 15 con 8 ON Well ID: 4509729	NNE/181.8	8.00	226
48	WWIS		lot 15 con 7 ON Well ID: 1902126	ESE/183.2	-13.65	231
49	WWIS		lot 15 con 8 ON Well ID: 4507697	ESE/187.7	-2.28	233
50	WWIS		lot 16 con 7 ON	SSE/193.0	-10.04	238

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 4507693			
51	WWIS		8175 WOODLAND AVE lot 4 con 8 GARDEN HILL ON Well ID: 4514511	SSE/195.4	-15.00	242
52	WWIS		lot 17 con 8 ON Well ID: 4511443	NW/207.2	-1.91	249
53	WWIS		lot 17 con 8 ON Well ID: 4509875	WNW/215.1	1.73	250
53	WWIS		lot 17 con 8 ON Well ID: 4509876	WNW/215.1	1.73	254
54	WWIS		lot 17 con 8 ON Well ID: 1902721	SSW/219.4	-13.00	256
55	WWIS		lot 17 con 8 ON Well ID: 1902176	WNW/228.3	0.34	259
56	WWIS		8188 WOODLAND AVE. lot 15 con 7 GARDEN HILL ON Well ID: 4514283	E/259.1	1.05	263
57	WWIS		lot 17 con 8 ON Well ID: 1902175	SSW/263.6	-12.14	269
58	WWIS		lot 15 con 8 ON Well ID: 4511699	ENE/266.7	4.91	271
59	WWIS		WOODLAND EAST lot 13 con 8 GARDEN HILL ON Well ID: 7039817	ENE/272.4	4.91	275
60	WWIS		lot 16 con 7 ON Well ID: 4504633	ESE/274.5	-13.00	280
61	WWIS		lot 16 con 8 ON Well ID: 4510286	E/277.2	1.69	284
62	WWIS		lot 16 con 8 ON	E/278.9	3.97	288

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
			<i>Well ID:</i> 4510287			
63	WWIS		lot 16 con 7 ON <i>Well ID:</i> 4512729	SE/294.6	-8.69	292
64	WWIS		lot 16 con 7 ON <i>Well ID:</i> 4511748	SE/297.3	-9.05	295
65	WWIS		lot 15 con 7 ON <i>Well ID:</i> 4511652	ESE/298.1	-13.81	299
66	WWIS		lot 16 con 8 ON <i>Well ID:</i> 4509203	E/298.8	4.03	302

Executive Summary: Summary By Data Source

WWIS - Water Well Information System

A search of the WWIS database, dated Apr 30, 2020 has found that there are 69 WWIS site(s) within approximately 0.30 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 16 con 8 ON <i>Well ID: 4512679</i>	0.0	<u>1</u>
	lot 16 con 8 ON <i>Well ID: 1902173</i>	4.3	<u>2</u>
	lot 16 con 8 ON <i>Well ID: 4505035</i>	9.9	<u>3</u>
	CTY RD 9 (CHURCH) lot 15 con 8 GARDEN HILL ON <i>Well ID: 7220244</i>	11.2	<u>4</u>
	lot 16 con 8 ON <i>Well ID: 1902174</i>	13.3	<u>5</u>
	3988 FROST AVE lot 8 con 6 GARDENHILL ON <i>Well ID: 7042727</i>	16.0	<u>6</u>
	8109 MILL ST. lot 17 con 7 GARDEN HILL ON <i>Well ID: 7121498</i>	16.1	<u>7</u>
	lot 16 con 7 ON <i>Well ID: 4507011</i>	28.8	<u>8</u>
	lot 16 con 7 ON <i>Well ID: 1902697</i>	30.5	<u>9</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 17 con 8 ON <i>Well ID:</i> 4509418	31.2	<u>10</u>
	3907 GANARASKA RD. lot 16 con 7 CAMPBELLCROFT ON <i>Well ID:</i> 7233168	33.7	<u>11</u>
	8115 MILL ST N, RR1 lot 16 con 8 GARDEN HILL ON <i>Well ID:</i> 4514159	33.9	<u>12</u>
	lot 14 con 8 ON <i>Well ID:</i> 4504521	36.7	<u>13</u>
	lot 16 con 7 ON <i>Well ID:</i> 1902134	49.0	<u>14</u>
	231 WRIGHT CRES. lot 15 con 8 GARDEN HILL ON <i>Well ID:</i> 7236816	51.4	<u>15</u>
	CTY RD 9 lot 16 con 7 GARDEN HILL ON <i>Well ID:</i> 7326753	53.2	<u>16</u>
	lot 15 con 8 ON <i>Well ID:</i> 4513073	54.1	<u>17</u>
	8081 CALDWELL COURT lot 15 con 8 GARDENHILL ON <i>Well ID:</i> 7042624	55.3	<u>18</u>
	lot 17 con 8 ON <i>Well ID:</i> 4506050	59.1	<u>19</u>
	lot 18 con 7 ON <i>Well ID:</i> 4509964	65.7	<u>20</u>
	lot 16 con 7 ON	72.0	<u>21</u>

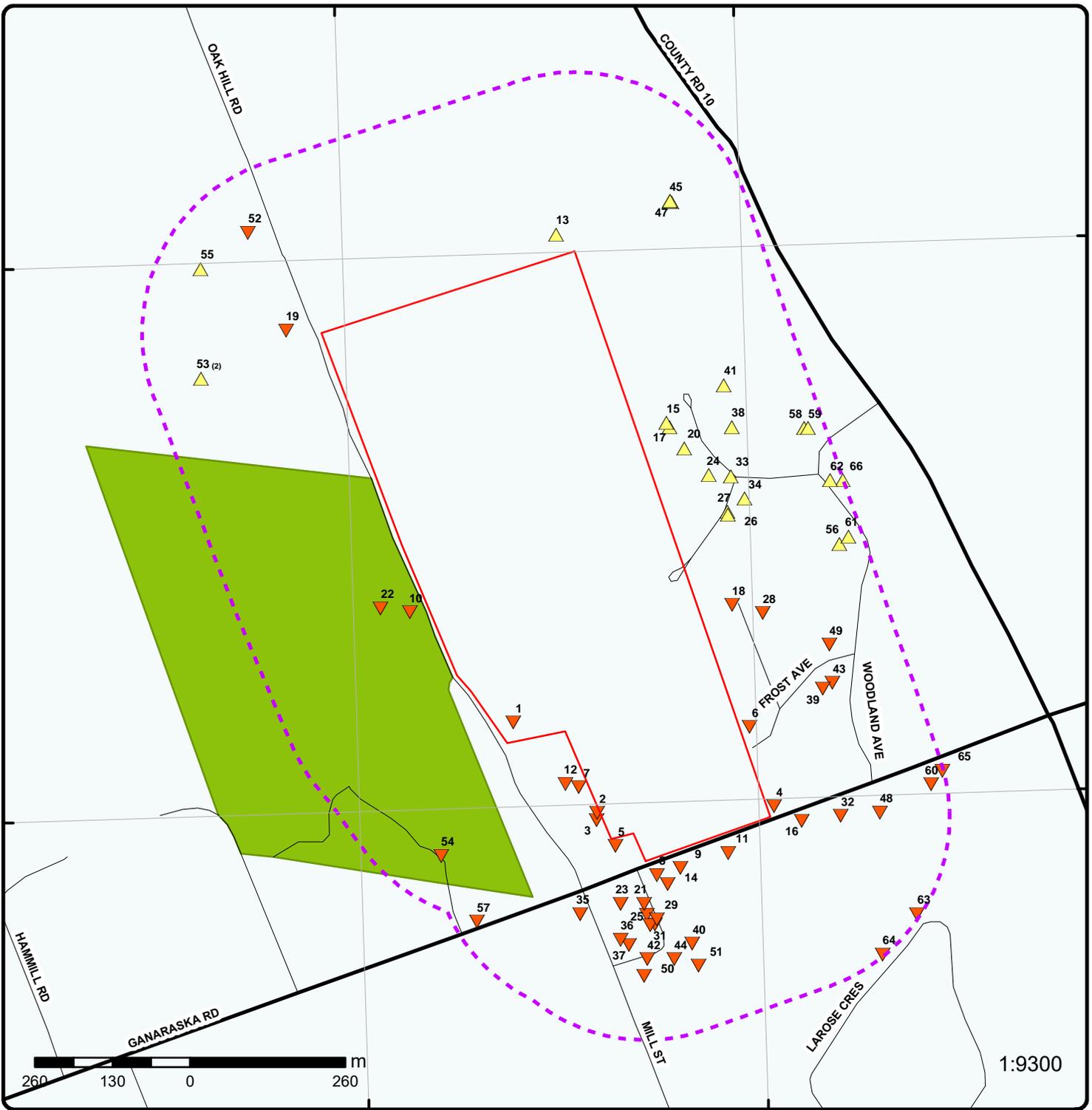
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 4505584		
	8234 MILL ST lot 17 con 8 ON	73.6	<u>22</u>
	<i>Well ID:</i> 7177004		
	lot 16 con 7 ON	83.4	<u>23</u>
	<i>Well ID:</i> 4504798		
	lot 14 con 8 ON	89.7	<u>24</u>
	<i>Well ID:</i> 4508346		
	lot 16 con 7 ON	90.0	<u>25</u>
	<i>Well ID:</i> 1902131		
	lot 15 con 8 ON	98.4	<u>26</u>
	<i>Well ID:</i> 4509592		
	lot 15 con 8 ON	99.0	<u>27</u>
	<i>Well ID:</i> 4512284		
	8064 COLDWELL COURT lot 5 con 8 GARDEN HILL ON	99.2	<u>28</u>
	<i>Well ID:</i> 4514529		
	lot 16 con 7 ON	99.7	<u>29</u>
	<i>Well ID:</i> 4507062		
	lot 16 con 7 ON	108.1	<u>30</u>
	<i>Well ID:</i> 4508925		
	lot 16 con 7 ON	108.3	<u>31</u>
	<i>Well ID:</i> 4508926		
	lot 15 con 7 ON	118.0	<u>32</u>
	<i>Well ID:</i> 1902127		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 20 con 8 ON <i>Well ID:</i> 4508763	124.3	<u>33</u>
	lot 15 con 8 ON <i>Well ID:</i> 4512471	133.6	<u>34</u>
	lot 17 con 7 ON <i>Well ID:</i> 4507063	135.8	<u>35</u>
	lot 16 con 7 ON <i>Well ID:</i> 1903703	138.5	<u>36</u>
	lot 16 con 7 ON <i>Well ID:</i> 4512271	143.6	<u>37</u>
	220 WRIGHT CRES. lot 15 con 8 CAMPBELLCROFT ON <i>Well ID:</i> 7143690	152.1	<u>38</u>
	lot 15 con 8 ON <i>Well ID:</i> 4508153	153.1	<u>39</u>
	lot 16 con 7 ON <i>Well ID:</i> 1902133	157.0	<u>40</u>
	WRIGHT CRES lot 15 con 8 GARDEN HILL ON <i>Well ID:</i> 4514073	163.0	<u>41</u>
	lot 16 con 7 ON <i>Well ID:</i> 4510271	165.0	<u>42</u>
	lot 15 con 8 ON <i>Well ID:</i> 4508152	171.5	<u>43</u>
	lot 16 con 7 ON	171.8	<u>44</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 1902132		
	lot 15 con 8 ON	179.7	45
	<i>Well ID:</i> 4513522		
	lot 15 con 8 ON	180.8	46
	<i>Well ID:</i> 4513276		
	lot 15 con 8 ON	180.8	46
	<i>Well ID:</i> 4513307		
	lot 15 con 8 ON	180.8	46
	<i>Well ID:</i> 4513337		
	lot 15 con 8 ON	181.8	47
	<i>Well ID:</i> 4509729		
	lot 15 con 7 ON	183.2	48
	<i>Well ID:</i> 1902126		
	lot 15 con 8 ON	187.7	49
	<i>Well ID:</i> 4507697		
	lot 16 con 7 ON	193.0	50
	<i>Well ID:</i> 4507693		
	8175 WOODLAND AVE lot 4 con 8 GARDEN HILL ON	195.4	51
	<i>Well ID:</i> 4514511		
	lot 17 con 8 ON	207.2	52
	<i>Well ID:</i> 4511443		
	lot 17 con 8 ON	215.1	53
	<i>Well ID:</i> 4509875		

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	lot 17 con 8 ON <i>Well ID:</i> 4509876	215.1	<u>53</u>
	lot 17 con 8 ON <i>Well ID:</i> 1902721	219.4	<u>54</u>
	lot 17 con 8 ON <i>Well ID:</i> 1902176	228.3	<u>55</u>
	8188 WOODLAND AVE. lot 15 con 7 GARDEN HILL ON <i>Well ID:</i> 4514283	259.1	<u>56</u>
	lot 17 con 8 ON <i>Well ID:</i> 1902175	263.6	<u>57</u>
	lot 15 con 8 ON <i>Well ID:</i> 4511699	266.7	<u>58</u>
	WOODLAND EAST lot 13 con 8 GARDEN HILL ON <i>Well ID:</i> 7039817	272.4	<u>59</u>
	lot 16 con 7 ON <i>Well ID:</i> 4504633	274.5	<u>60</u>
	lot 16 con 8 ON <i>Well ID:</i> 4510286	277.2	<u>61</u>
	lot 16 con 8 ON <i>Well ID:</i> 4510287	278.9	<u>62</u>
	lot 16 con 7 ON <i>Well ID:</i> 4512729	294.6	<u>63</u>
	lot 16 con 7 ON	297.3	<u>64</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 4511748		
	lot 15 con 7 ON	298.1	65
	<i>Well ID:</i> 4511652		
	lot 16 con 8 ON	298.8	66
	<i>Well ID:</i> 4509203		



Map: 0.3 Kilometer Radius

Order Number: 21040100412

Address: 3852 Ganaraska Road, Campbellcroft, ON



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



Aerial Year: 2014

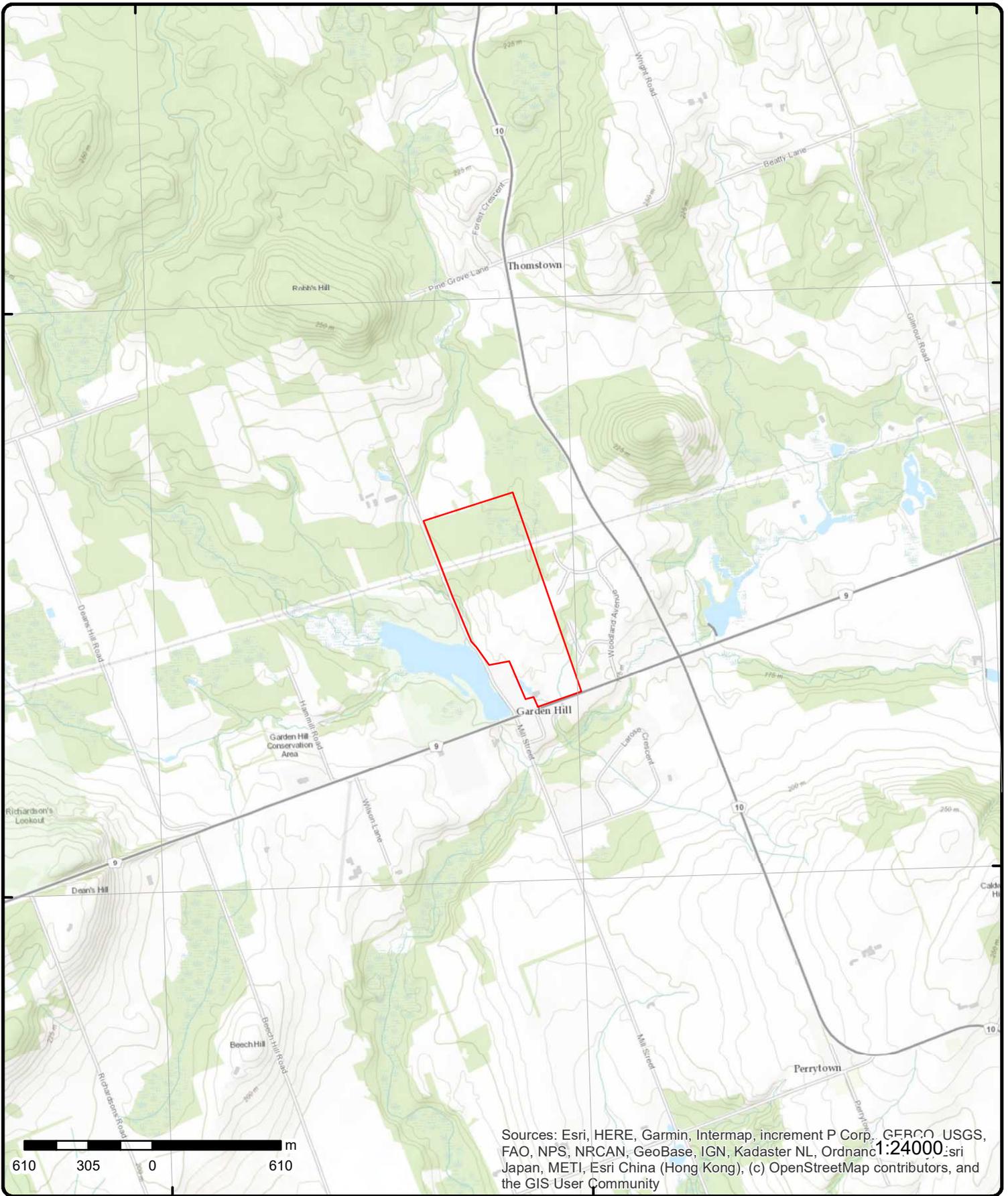
Address: 3852 Ganaraska Road, Campbellcroft, ON

Source: ESRI World Imagery

Order Number: 21040100412



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Topographic Map

Address: 3852 Ganaraska Road, ON

Source: ESRI World Topographic Map

Order Number: 21040100412



© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	SSW/0.0	181.2 / -4.60	lot 16 con 8 ON	WWIS

<p>Well ID: 4512679</p> <p>Construction Date:</p> <p>Primary Water Use: Domestic</p> <p>Sec. Water Use:</p> <p>Final Well Status: Water Supply</p> <p>Water Type:</p> <p>Casing Material:</p> <p>Audit No: 223572</p> <p>Tag:</p> <p>Construction Method:</p> <p>Elevation (m):</p> <p>Elevation Reliability:</p> <p>Depth to Bedrock:</p> <p>Well Depth:</p> <p>Overburden/Bedrock:</p> <p>Pump Rate:</p> <p>Static Water Level:</p> <p>Flowing (Y/N):</p> <p>Flow Rate:</p> <p>Clear/Cloudy:</p>	<p>Data Entry Status:</p> <p>Data Src: 1</p> <p>Date Received: 7/31/2001</p> <p>Selected Flag: Yes</p> <p>Abandonment Rec:</p> <p>Contractor: 4635</p> <p>Form Version: 1</p> <p>Owner:</p> <p>Street Name:</p> <p>County: NORTHUMBERLAND</p> <p>Municipality: HOPE TOWNSHIP</p> <p>Site Info:</p> <p>Lot: 016</p> <p>Concession: 08</p> <p>Concession Name: CON</p> <p>Easting NAD83:</p> <p>Northing NAD83:</p> <p>Zone:</p> <p>UTM Reliability:</p>
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/451\4512679.pdf

Bore Hole Information

<p>Bore Hole ID: 10520268</p> <p>DP2BR:</p> <p>Spatial Status: Improved</p> <p>Code OB: o</p> <p>Code OB Desc: Overburden</p> <p>Open Hole:</p> <p>Cluster Kind:</p> <p>Date Completed: 4/11/2001</p> <p>Remarks:</p> <p>Elevrc Desc:</p> <p>Location Source Date:</p> <p>Improvement Location Source: 1999-2004 MOE Water Well Data Improvement Project</p> <p>Improvement Location Method: GIS</p> <p>Source Revision Comment: Northing and/or Easting field has been changed. Location estimated from sketch map.</p> <p>Supplier Comment: Determined to be an improvement rather than a Lot Centroid in December 2009.</p>	<p>Elevation: 178.639175</p> <p>Elevrc:</p> <p>Zone: 17</p> <p>East83: 707836</p> <p>North83: 4881766</p> <p>Org CS: N83</p> <p>UTMRC: 3</p> <p>UTMRC Desc: margin of error : 10 - 30 m</p> <p>Location Method:</p>
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Overburden and Bedrock Materials Interval

Formation ID: 932844273

Layer: 3

Color: 3

General Color: BLUE

Mat1: 05

Most Common Material: CLAY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		30			
Formation End Depth:		78			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932844274			
Layer:		4			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		79			
Mat2 Desc:		PACKED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		78			
Formation End Depth:		78			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932844271			
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:		15			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932844272			
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:		30			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		933222452			
Layer:		1			
Plug From:		0			
Plug To:		18			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964512679			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11068838			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930481857			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994512679			
Pump Set At:					
Static Level:		28			
Final Level After Pumping:		65			
Recommended Pump Depth:		70			
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:		1			
Pumping Duration HR:		10			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934237339			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		28			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Pump Test Detail ID: 934519776
Test Type: Draw Down
Test Duration: 30
Test Level: 28
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935035247
Test Type: Draw Down
Test Duration: 60
Test Level: 28
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934775294
Test Type: Draw Down
Test Duration: 45
Test Level: 28
Test Level UOM: ft

Water Details

Water ID: 934012461
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 78
Water Found Depth UOM: ft

<u>2</u>	1 of 1	SSE/4.3	179.9 / -5.96	lot 16 con 8 ON	WWIS
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Well ID: 1902173 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: 8/5/1964 Selected Flag: Yes Abandonment Rec: Contractor: 2306 Form Version: 1 Owner: Street Name: County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 016 Concession: 08 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902173.pdf

Bore Hole Information

Bore Hole ID: 10071236 DP2BR:	Elevation: 177.197082 Elevrc:
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	17
Code OB:	o			East83:	707976.2
Code OB Desc:	Overburden			North83:	4881615
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	6/9/1964			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: 931144323
Layer: 3
Color:
General Color:
Mat1: 09
Most Common Material: MEDIUM SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 100
Formation End Depth: 120
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931144321
Layer: 1
Color:
General Color:
Mat1: 02
Most Common Material: TOPSOIL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 5
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931144322
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 5
Formation End Depth: 100

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931144324			
Layer:		4			
Color:					
General Color:					
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		120			
Formation End Depth:		131			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902173			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619806			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128705			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		131			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902173			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		106			
Recommended Pump Depth:		115			
Pumping Rate:		4			
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:		1			
Pumping Duration HR:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Duration MIN:					
Flowing:		No			
<u>Water Details</u>					
Water ID:	933512721				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	130				
Water Found Depth UOM:	ft				

<u>3</u>	1 of 1	S/9.9	179.9 / -5.96	lot 16 con 8 ON	WWIS
Well ID:	4505035		Data Entry Status:		
Construction Date:			Data Src: 1		
Primary Water Use:	Domestic		Date Received: 8/29/1978		
Sec. Water Use:	0		Selected Flag: Yes		
Final Well Status:	Water Supply		Abandonment Rec:		
Water Type:			Contractor: 3129		
Casing Material:			Form Version: 1		
Audit No:			Owner:		
Tag:			Street Name:		
Construction Method:			County: NORTHUMBERLAND		
Elevation (m):			Municipality: HOPE TOWNSHIP		
Elevation Reliability:			Site Info:		
Depth to Bedrock:			Lot: 016		
Well Depth:			Concession: 08		
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/450\4505035.pdf

Bore Hole Information

Bore Hole ID:	10283864	Elevation:	177.927139
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	707975.2
Code OB Desc:	Overburden	North83:	4881603
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	8/22/1978	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	931908227
Layer:	3
Color:	3

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		18			
Formation End Depth:		45			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931908225			
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			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931908226			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964505035			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10832434			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930473154			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		45			
Casing Diameter:		30			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pump Test ID:		994505035			
Pump Set At:					
Static Level:		15			
Final Level After Pumping:		43			
Recommended Pump Depth:		43			
Pumping Rate:		7			
Flowing Rate:					
Recommended Pump Rate:		6			
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			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935029818			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		45			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934513461			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		36			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934768764			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		40			
Test Level UOM:		ft			
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934240705			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		32			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Details					
Water ID:		933754165			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		30			
Water Found Depth UOM:		ft			

<u>4</u>	1 of 1	SE/11.2	177.9 / -7.97	CTY RD 9 (CHURCH) lot 15 con 8 GARDEN HILL ON	WWIS
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Well ID:	7220244	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Domestic	Date Received:	5/14/2014
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2662
Casing Material:		Form Version:	7
Audit No:	Z182902	Owner:	
Tag:	A147474	Street Name:	CTY RD 9 (CHURCH)
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	015
Well Depth:		Concession:	08
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/722\7220244.pdf

Bore Hole Information

Bore Hole ID:	1004753276	Elevation:	177.956512
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	708272
Code OB Desc:		North83:	4881626
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	4/28/2014	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock
Materials Interval

Formation ID:	1005148394
Layer:	4
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:	42				
Formation End Depth:	65				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005148396				
Layer:	6				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	28				
Mat2 Desc:	SAND				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	95				
Formation End Depth:	144				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005148392				
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:	8				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005148393				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	8				
Formation End Depth:	42				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1005148397				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		7			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		144			
Formation End Depth:		148			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005148395			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		65			
Formation End Depth:		95			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1005148391			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1005148432			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		1005148431			
Method Construction Code:		1			
Method Construction:		Cable Tool			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005148389			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005148402			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		144.5			
Depth To:		148			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1005148401			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		2			
Depth To:		144.5			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1005148403			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1005148390			
Pump Set At:		100			
Static Level:		31.7			
Final Level After Pumping:		61.3			
Recommended Pump Depth:		100			
Pumping Rate:		10			
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:		0			
Pumping Duration HR:		1			
Pumping Duration MIN:					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Flowing:</i>					
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		1005148427			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		36.8			
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		1005148412			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		45.8			
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		1005148406			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		38			
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		1005148411			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		48.7			
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		1005148404			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		38			
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		1005148426			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		60			
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		1005148429			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		36.1			
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1005148417			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		41.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148405			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		55			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148409			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		50			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148415			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		43.3			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148422			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		57.6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148408			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		43			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148419			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		39.7			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148414			
Test Type:		Draw Down			
Test Duration:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		50.3			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148420			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		55.8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148421			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		38.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148428			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		61.3			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148424			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		58.8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148407			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		52.1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148416			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		52.2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148413			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		47.5			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148410			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		44.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148423			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		38.2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148425			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		37.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005148418			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		53.9			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1005148400			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:		144			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005148398			
Diameter:		8			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		1005148399			
Diameter:		6			
Depth From:		20			
Depth To:		148			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>5</u>	1 of 1	SSE/13.3	177.8 / -8.00	lot 16 con 8 ON	WWIS

Well ID:	1902174	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	4/9/1968
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1904
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	016
Well Depth:		Concession:	08
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/190\1902174.pdf

Bore Hole Information

Bore Hole ID:	10071237	Elevation:	178.703826
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708007.2
Code OB Desc:	Overburden	North83:	4881560
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	1/31/1968	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:	931144326
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	09
Mat2 Desc:	MEDIUM SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	70
Formation End Depth:	79
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931144325			
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:		70			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902174			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619807			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128706			
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			
<u>Construction Record - Screen</u>					
Screen ID:		933328934			
Layer:		1			
Slot:					
Screen Top Depth:		76			
Screen End Depth:		79			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902174			
Pump Set At:					
Static Level:		15			
Final Level After Pumping:		50			
Recommended Pump Depth:		60			
Pumping Rate:		30			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing Rate:					
Recommended Pump Rate:	5				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	2				
Water State After Test:	CLOUDY				
Pumping Test Method:	1				
Pumping Duration HR:	3				
Pumping Duration MIN:	0				
Flowing:	No				
Water Details					
Water ID:	933512722				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	70				
Water Found Depth UOM:	ft				

6 1 of 1 SE/16.0 178.8 / -7.05 3988 FROST AVE lot 8 con 6 GARDENHILL ON WWIS

Well ID:	7042727	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Domestic	Date Received:	4/16/2007
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1455
Casing Material:		Form Version:	3
Audit No:	Z36082	Owner:	
Tag:	A032997	Street Name:	3988 FROST AVE
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	008
Well Depth:		Concession:	06
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7042727.pdf

Bore Hole Information

Bore Hole ID:	11765221	Elevation:	178.793273
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708231
Code OB Desc:	Overburden	North83:	4881759
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	2/21/2006	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:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Overburden and Bedrock
Materials Interval**

Formation ID: 933097917
Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 81
Mat2 Desc: SANDY
Mat3:
Mat3 Desc:
Formation Top Depth: 17.06
Formation End Depth: 43.89
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 933097918
Layer: 3
Color: 6
General Color: BROWN
Mat1: 10
Most Common Material: COARSE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 43.89
Formation End Depth: 44.8
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 933097916
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: 17.06
Formation End Depth UOM: m

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933317272
Layer: 1
Plug From: 0
Plug To: 6.09
Plug Depth UOM: m

Method of Construction & Well

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Use</u>					
Method Construction ID:		967042727			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11772911			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930898152			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		43.89			
Casing Diameter:		15.9			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933423992			
Layer:		1			
Slot:		18			
Screen Top Depth:		43.89			
Screen End Depth:		44.8			
Screen Material:		1			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		12.9			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11778144			
Pump Set At:		42.36			
Static Level:		10.36			
Final Level After Pumping:		28.95			
Recommended Pump Depth:		42.36			
Pumping Rate:		45.46			
Flowing Rate:					
Recommended Pump Rate:		45.46			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:					
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11804972			
Test Type:		Draw Down			
Test Duration:		3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		12.25			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11804975			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		24.14			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805040			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		15.84			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11804969			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		27.43			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805045			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		28.95			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11804973			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		25.29			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805039			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		22.25			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805038			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		17.37			
Test Level UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805043			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		28.95			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805044			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		12.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805048			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		10.36			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805046			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		10.97			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11804971			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		26.21			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805041			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		25.6			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11804974			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		12.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805034			
Test Type:		Recovery			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Duration:</i>		10			
<i>Test Level:</i>		20.72			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11805042			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		14.02			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11805033			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		16			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11804976			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		13.86			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11805036			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		18.89			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11804970			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		11.58			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11805032			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		22.86			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11805035			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		18.13			
<i>Test Level UOM:</i>		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11804968			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		10.97			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805037			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		20.11			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11805047			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		28.95			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934085381			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		44.8			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11851501			
Diameter:		15.9			
Depth From:		0			
Depth To:		44.8			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

7 1 of 1 S/16.1 179.8 / -6.00 8109 MILL ST. lot 17 con 7
GARDEN HILL ON WWIS

Well ID:	7121498	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Public	Date Received:	4/6/2009
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1455
Casing Material:		Form Version:	7
Audit No:	Z80932	Owner:	
Tag:	A067064	Street Name:	8109 MILL ST.
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	017
Well Depth:		Concession:	07
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Static Water Level:
 Flowing (Y/N):
 Flow Rate:
 Clear/Cloudy:

Northing NAD83:
 Zone:
 UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/712\7121498.pdf

Bore Hole Information

Bore Hole ID:	1002038899	Elevation:	178.502334
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	707945
Code OB Desc:		North83:	4881658
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/16/2008	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:	1002524209
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	21
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	1002524210
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	21
Formation End Depth:	137
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1002524211			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		17			
Most Common Material:		SHALE			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		137			
Formation End Depth:		138			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1002524212			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		138			
Formation End Depth:		144			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002524214			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002524244			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1002524207			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002524216			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth To:		138			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1002524217			
Layer:		1			
Slot:		18			
Screen Top Depth:		137			
Screen End Depth:		144			
Screen Material:		1			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5.25			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002524208			
Pump Set At:		135			
Static Level:		31.2			
Final Level After Pumping:		44.417			
Recommended Pump Depth:		135			
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:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524237			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		33.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524230			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		40.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524231			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		36			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pump Test Detail ID:</i>		1002524221			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		41			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002524229			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		37.1			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002524235			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		34			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002524236			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		42			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002524242			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		44.5			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002524241			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		33.3			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002524233			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		20			
<i>Test Level:</i>		35.5			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002524220			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		32.3			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524234			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		41.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524225			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		39			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524222			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		32.3			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524239			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		33.4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524219			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		42.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524218			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		32.3			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524232			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		41			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524226			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		37.7			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524238			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		43			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524224			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		32.3			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524228			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		39.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524223			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524227			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		38			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002524240			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		43.5			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1002524215			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	137				
Water Found Depth UOM:	ft				
<u>Hole Diameter</u>					
Hole ID:	1002524213				
Diameter:	6.25				
Depth From:	0				
Depth To:	144				
Hole Depth UOM:	ft				
Hole Diameter UOM:	inch				

<u>8</u>	1 of 1	SSE/28.8	175.7 / -10.12	lot 16 con 7 ON	WWIS
Well ID:	4507011			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Commerical			Date Received:	3/17/1988
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2104
Casing Material:				Form Version:	1
Audit No:	21739			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/450\4507011.pdf

Bore Hole Information

Bore Hole ID:	10285742	Elevation:	177.544174
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708076
Code OB Desc:	Overburden	North83:	4881511
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	3/10/1988	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: 931915567

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		78			
Mat2 Desc:		MEDIUM-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		4			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915570			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		65			
Formation End Depth:		69			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915568			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		78			
Mat2 Desc:		MEDIUM-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		4			
Formation End Depth:		55			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915569			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		55			
Formation End Depth:		65			
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964507011			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10834312			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930475191			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		66			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933353884			
Layer:		1			
Slot:		012			
Screen Top Depth:		61			
Screen End Depth:		65			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994507011			
Pump Set At:					
Static Level:		26			
Final Level After Pumping:		35			
Recommended Pump Depth:		50			
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:		8			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 934774455					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 35					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934510388					
Test Type: Draw Down					
Test Duration: 30					
Test Level: 35					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 935026610					
Test Type: Draw Down					
Test Duration: 60					
Test Level: 35					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934237512					
Test Type: Draw Down					
Test Duration: 15					
Test Level: 35					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933756240					
Layer: 1					
Kind Code: 5					
Kind: Not stated					
Water Found Depth: 65					
Water Found Depth UOM: ft					

<u>9</u>	1 of 1	SSE/30.5	175.1 / -10.74	lot 16 con 7 ON	WWIS
Well ID:	1902697			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	6/23/1969
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2306
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902697.pdf

Bore Hole Information

Bore Hole ID:	10071755	Elevation:	177.041091
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708115.2
Code OB Desc:	Overburden	North83:	4881523
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	4/8/1969	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	931146438
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	10
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	931146440
Layer:	3
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	78
Formation End Depth:	79
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	931146439
Layer:	2
Color:	3
General Color:	BLUE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		10			
Formation End Depth:		78			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902697			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10620325			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930129279			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		79			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902697			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		40			
Recommended Pump Depth:		60			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		2			
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			
<u>Water Details</u>					
Water ID:		933513261			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:		79			
Water Found Depth UOM:		ft			

10	1 of 1	WSW/31.2	173.6 / -12.25	lot 17 con 8 ON	WWIS
Well ID:	4509418			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	10/7/1991
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4635
Casing Material:				Form Version:	1
Audit No:	105359			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	017
Well Depth:				Concession:	08
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/450\4509418.pdf

Bore Hole Information

Bore Hole ID:	10288141	Elevation:	175.699035
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	707663
Code OB Desc:	Overburden	North83:	4881951
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	7/11/1991	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:	931925411
Layer:	2
Color:	1
General Color:	WHITE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	20
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931925410			
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931925412			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		20			
Formation End Depth:		90			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931925413			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		31			
Mat2 Desc:		COARSE GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		90			
Formation End Depth:		94			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933165151			
Layer:		1			
Plug From:		0			
Plug To:		10			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Use</u>					
<i>Method Construction ID:</i>		964509418			
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		10836711			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930477820			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		94			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		933354338			
<i>Layer:</i>		1			
<i>Slot:</i>		010			
<i>Screen Top Depth:</i>		87			
<i>Screen End Depth:</i>		94			
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		ft			
<i>Screen Diameter UOM:</i>		inch			
<i>Screen Diameter:</i>		6			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		994509418			
<i>Pump Set At:</i>					
<i>Static Level:</i>		45			
<i>Final Level After Pumping:</i>		84			
<i>Recommended Pump Depth:</i>		93			
<i>Pumping Rate:</i>		8			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		5			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		2			
<i>Pumping Duration HR:</i>		3			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		No			
<u>Water Details</u>					
<i>Water ID:</i>		933758768			
<i>Layer:</i>		1			
<i>Kind Code:</i>		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		94			
Water Found Depth UOM:		ft			

11	1 of 1	SE/33.7	175.8 / -10.00	3907 GANARASKA RD. lot 16 con 7 CAMPBELLCROFT ON	WWIS
Well ID:	7233168			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	12/8/2014
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3367
Casing Material:				Form Version:	7
Audit No:	Z193434			Owner:	
Tag:	A165437			Street Name:	3907 GANARASKA RD.
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/723\7233168.pdf

Bore Hole Information

Bore Hole ID:	1005252538	Elevation:	176.001785
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	708196
Code OB Desc:		North83:	4881548
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	7/23/2014	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005421717
Layer:	5
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	132
Formation End Depth:	133

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005421714			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		1			
Formation End Depth:		5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005421715			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5			
Formation End Depth:		130			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005421716			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		130			
Formation End Depth:		132			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005421713			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Mat2:</i>		85			
<i>Mat2 Desc:</i>		SOFT			
<i>Mat3:</i>					
<i>Mat3 Desc:</i>					
<i>Formation Top Depth:</i>		0			
<i>Formation End Depth:</i>		1			
<i>Formation End Depth UOM:</i>		ft			
 <u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1005421754			
<i>Layer:</i>		2			
<i>Plug From:</i>		5			
<i>Plug To:</i>		20			
<i>Plug Depth UOM:</i>		ft			
 <u><i>Annular Space/Abandonment Sealing Record</i></u>					
<i>Plug ID:</i>		1005421753			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		5			
<i>Plug Depth UOM:</i>		ft			
 <u><i>Method of Construction & Well Use</i></u>					
<i>Method Construction ID:</i>		1005421752			
<i>Method Construction Code:</i>		B			
<i>Method Construction:</i>		Other Method			
<i>Other Method Construction:</i>		DR 12W			
 <u><i>Pipe Information</i></u>					
<i>Pipe ID:</i>		1005421711			
<i>Casing No:</i>		0			
<i>Comment:</i>					
<i>Alt Name:</i>					
 <u><i>Construction Record - Casing</i></u>					
<i>Casing ID:</i>		1005421723			
<i>Layer:</i>		2			
<i>Material:</i>		4			
<i>Open Hole or Material:</i>		OPEN HOLE			
<i>Depth From:</i>		132			
<i>Depth To:</i>		133			
<i>Casing Diameter:</i>		6.25			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
 <u><i>Construction Record - Casing</i></u>					
<i>Casing ID:</i>		1005421722			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>		2			
<i>Depth To:</i>		132			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Casing Diameter:</i>		6.25			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Construction Record - Screen</u>					
<i>Screen ID:</i>		1005421724			
<i>Layer:</i>					
<i>Slot:</i>					
<i>Screen Top Depth:</i>					
<i>Screen End Depth:</i>					
<i>Screen Material:</i>					
<i>Screen Depth UOM:</i>		ft			
<i>Screen Diameter UOM:</i>		inch			
<i>Screen Diameter:</i>					
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		1005421712			
<i>Pump Set At:</i>		128			
<i>Static Level:</i>		18.167			
<i>Final Level After Pumping:</i>		60.5			
<i>Recommended Pump Depth:</i>		123			
<i>Pumping Rate:</i>		4			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		4			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		0			
<i>Pumping Duration HR:</i>		1			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		No			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005421742			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		29			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005421732			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		50.333			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		1005421747			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		57.5			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1005421744			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		26.083			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421736			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		41.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421743			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		49.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421730			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		52			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421731			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		28.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421746			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		21.333			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421750			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		18.75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421745			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		54			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1005421749				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	60				
<i>Test Level:</i>	60.5				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1005421726				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	1				
<i>Test Level:</i>	56.083				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1005421727				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	2				
<i>Test Level:</i>	26.25				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1005421737				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	15				
<i>Test Level:</i>	40.083				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1005421725				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	1				
<i>Test Level:</i>	25.75				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1005421738				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	15				
<i>Test Level:</i>	36.333				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1005421733				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	5				
<i>Test Level:</i>	29.333				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1005421748			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		19.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421740			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		32.167			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421735			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		35.417			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421729			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		27.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421741			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		46.417			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421739			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		43.583			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421734			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		48.667			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005421728			
Test Type:		Recovery			
Test Duration:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		53.75			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1005421721			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		132			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005421720			
Diameter:		6			
Depth From:		132			
Depth To:		133			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		1005421719			
Diameter:		7.5			
Depth From:		0			
Depth To:		132			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		1005421718			
Diameter:		11.5			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

12	1 of 1	S/33.9	180.9 / -4.95	8115 MILL ST N, RR1 lot 16 con 8 GARDEN HILL ON	WWIS
Well ID:		4514159		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Domestic		Date Received:	4/4/2005
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor:	3367
Casing Material:				Form Version:	3
Audit No:		Z24857		Owner:	
Tag:		A024138		Street Name:	8115 MILL ST N, RR1
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	08
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/451\4514159.pdf

Bore Hole Information

Bore Hole ID:	11322570	Elevation:	178.299789
DP2BR:	136	Elevrc:	
Spatial Status:		Zone:	17
Code OB:	r	East83:	707923
Code OB Desc:	Bedrock	North83:	4881664
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	3/7/2005	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:	933018407
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	79
Mat3 Desc:	PACKED
Formation Top Depth:	1
Formation End Depth:	10
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	933018411
Layer:	6
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	136
Formation End Depth:	137
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	933018406
Layer:	1
Color:	6
General Color:	BROWN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933018410			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		05			
Mat3 Desc:		CLAY			
Formation Top Depth:		135			
Formation End Depth:		136			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933018409			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		66			
Mat2 Desc:		DENSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		23			
Formation End Depth:		135			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933018408			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		10			
Formation End Depth:		23			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Sealing Record</u>					
Plug ID:		933266886			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964514159			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11337425			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930865298			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		136			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930865299			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		136			
Depth To:		137			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11349961			
Pump Set At:		127			
Static Level:		30.08			
Final Level After Pumping:		86.08			
Recommended Pump Depth:		127			
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:		1			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pumping Duration HR:</i>	2				
<i>Pumping Duration MIN:</i>	0				
<i>Flowing:</i>					
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	11368201				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	30				
<i>Test Level:</i>	63.5				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	11368214				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	3				
<i>Test Level:</i>	81.33				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	11368199				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	25				
<i>Test Level:</i>	54				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	11368216				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	4				
<i>Test Level:</i>	80.75				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	11368212				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	2				
<i>Test Level:</i>	36.67				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	11368210				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	40				
<i>Test Level:</i>	58.5				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	11368200				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	25				
<i>Test Level:</i>	67.58				
<i>Test Level UOM:</i>	ft				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368218		
Test Type:			Recovery		
Test Duration:			5		
Test Level:			80.25		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368215		
Test Type:			Draw Down		
Test Duration:			15		
Test Level:			48.17		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368197		
Test Type:			Draw Down		
Test Duration:			20		
Test Level:			51.33		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368208		
Test Type:			Draw Down		
Test Duration:			50		
Test Level:			61.42		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368211		
Test Type:			Draw Down		
Test Duration:			1		
Test Level:			35.17		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368221		
Test Type:			Draw Down		
Test Duration:			3		
Test Level:			38.17		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368202		
Test Type:			Recovery		
Test Duration:			40		
Test Level:			60		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11368198		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Recovery			
Test Duration:		20			
Test Level:		72.17			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368203			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		53			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368207			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		56.08			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368204			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		56.17			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368205			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		74.75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368213			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		82.08			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368219			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		49.08			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368196			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		82.67			
Test Level UOM:		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368220			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		77.42			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368206			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		63.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368217			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		40.17			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11368209			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		39.17			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934058870			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		137			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		11542099			
Diameter:		8			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		11542100			
Diameter:		6.25			
Depth From:		0			
Depth To:		137			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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13	1 of 1	N/36.7	189.8 / 4.00	lot 14 con 8 ON	WWIS
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Well ID:	4504521	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/2/1975
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3129
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	014
Well Depth:		Concession:	08
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/450\4504521.pdf

Bore Hole Information

Bore Hole ID:	10283364	Elevation:	190.775604
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	707907.2
Code OB Desc:	Overburden	North83:	4882585
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	6/20/1975	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931906435
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	17
Formation End Depth UOM:	ft

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		931906436			
Layer:		3			
Color:					
General Color:					
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		17			
Formation End Depth:		24			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931906434			
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931906437			
Layer:		4			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		24			
Formation End Depth:		26			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		964504521			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10831934			
Casing No:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930472581			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		26			
Casing Diameter:		30			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994504521			
Pump Set At:					
Static Level:		15			
Final Level After Pumping:		25			
Recommended Pump Depth:		24			
Pumping Rate:		8			
Flowing Rate:					
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934511832			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		21			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935028599			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934239078			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		19			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934767556			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		23			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933753655			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		17			
Water Found Depth UOM:		ft			

14	1 of 1	SSE/49.0	175.6 / -10.27	lot 16 con 7 ON	WWIS
Well ID:		1902134		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Domestic		Date Received: 10/19/1964	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 1904	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: NORTHUMBERLAND	
Elevation (m):				Municipality: HOPE TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 016	
Well Depth:				Concession: 07	
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/190\1902134.pdf

Bore Hole Information

Bore Hole ID:		10071197		Elevation: 177.038574	
DP2BR:		135		Elevrc:	
Spatial Status:				Zone: 17	
Code OB:		r		East83: 708094.2	
Code OB Desc:		Bedrock		North83: 4881496	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC: 5	
Date Completed:		9/16/1964		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: 931144185

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		135			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931144183			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		37			
Formation End Depth:		85			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931144182			
Layer:		1			
Color:					
General Color:					
Mat1:		23			
Most Common Material:		PREVIOUSLY DUG			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		37			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931144184			
Layer:		3			
Color:					
General Color:					
Mat1:		07			
Most Common Material:		QUICKSAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		85			
Formation End Depth:		135			
Formation End Depth UOM:		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
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Method of Construction & Well Use

Method Construction ID: 961902134
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10619767
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930128663
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 135
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930128664
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 140
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991902134
Pump Set At:
Static Level: 25
Final Level After Pumping: 50
Recommended Pump Depth: 50
Pumping Rate: 20
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: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933512684			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		135			
Water Found Depth UOM:		ft			

15	1 of 1	NE/51.4	190.8 / 5.00	231 WRIGHT CRES. lot 15 con 8 GARDEN HILL ON	WWIS
Well ID:	7236816			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	1/30/2015
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1455
Casing Material:				Form Version:	7
Audit No:	Z188747			Owner:	
Tag:	A146325			Street Name:	231 WRIGHT CRES.
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/723\7236816.pdf

Bore Hole Information

Bore Hole ID:	1005301887	Elevation:	190.369705
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	708092
Code OB Desc:		North83:	4882269
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	9/9/2014	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005494345
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		21			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005494346			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		21			
Formation End Depth:		76			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1005494347			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		76			
Formation End Depth:		80			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005494370			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005494369			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005494343			
Casing No:		0			
Comment:					
Alt Name:					

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

Casing ID: 1005494350
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 76
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1005494351
Layer: 1
Slot: 18
Screen Top Depth: 80
Screen End Depth: 72
Screen Material: 1
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter: 5.25

Results of Well Yield Testing

Pump Test ID: 1005494344
Pump Set At: 70
Static Level: 12
Final Level After Pumping: 47
Recommended Pump Depth: 70
Pumping Rate: 5
Flowing Rate:
Recommended Pump Rate: 5
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 1005494355
Test Type: Recovery
Test Duration: 10
Test Level: 32.1
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005494363
Test Type: Recovery
Test Duration: 30
Test Level: 14
Test Level UOM: ft

Draw Down & Recovery

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1005494353			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		39.1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005494358			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		37.1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005494365			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		12			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005494361			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		18.1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005494357			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		26.4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005494359			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		21.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005494356			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		32.4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1005494364			
Test Type:		Draw Down			
Test Duration:		40			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:			47.1		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005494366		
Test Type:			Draw Down		
Test Duration:			50		
Test Level:			47.1		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005494352		
Test Type:			Draw Down		
Test Duration:			5		
Test Level:			24.7		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005494367		
Test Type:			Draw Down		
Test Duration:			60		
Test Level:			47.1		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005494360		
Test Type:			Draw Down		
Test Duration:			25		
Test Level:			39.1		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005494354		
Test Type:			Draw Down		
Test Duration:			10		
Test Level:			29.1		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1005494362		
Test Type:			Draw Down		
Test Duration:			30		
Test Level:			42.7		
Test Level UOM:			ft		
<u>Water Details</u>					
Water ID:			1005494349		
Layer:			1		
Kind Code:					
Kind:					
Water Found Depth:			80		
Water Found Depth UOM:			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Hole Diameter</u>					
Hole ID:		1005494348			
Diameter:		6.25			
Depth From:		0			
Depth To:		80			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
16	1 of 1	SE/53.2	175.8 / -10.00	CTY RD 9 lot 16 con 7 GARDEN HILL ON	WWIS
Well ID:	7326753			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	1/24/2019
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	7341
Casing Material:				Form Version:	7
Audit No:	Z251653			Owner:	
Tag:	A208688			Street Name:	CTY RD 9
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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):					
<u>Bore Hole Information</u>					
Bore Hole ID:	1007360169			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	708319
Code OB Desc:				North83:	4881602
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	9/18/2018			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1007592032				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		3.9			
Formation End Depth:		33.8			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007592030			
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:		1.8			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007592031			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		1.8			
Formation End Depth:		3.9			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1007592034			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:		71			
Mat3 Desc:		FRACTURED			
Formation Top Depth:		42.7			
Formation End Depth:		46			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		1007592033			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		33.8			
Formation End Depth:		42.7			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1007592069			
Layer:		1			
Plug From:		0			
Plug To:		6.1			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1007592068			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		DUAL ROTARY			
<u>Pipe Information</u>					
Pipe ID:		1007592028			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1007592038			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-6			
Depth To:		43.4			
Casing Diameter:		15			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1007592039			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		43.4			
Depth To:		46			
Casing Diameter:		15			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Screen</u>					
Screen ID:			1007592040		
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:			ft		
Screen Diameter UOM:			inch		
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:			1007592029		
Pump Set At:			21.3		
Static Level:			6.83		
Final Level After Pumping:			11.82		
Recommended Pump Depth:			23		
Pumping Rate:			52.9		
Flowing Rate:					
Recommended Pump Rate:			37.8		
Levels UOM:			ft		
Rate UOM:			GPM		
Water State After Test Code:			1		
Water State After Test:			CLEAR		
Pumping Test Method:			0		
Pumping Duration HR:			2		
Pumping Duration MIN:					
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1007592066		
Test Type:			Recovery		
Test Duration:			60		
Test Level:			6.87		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1007592059		
Test Type:			Draw Down		
Test Duration:			30		
Test Level:			10.5		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1007592060		
Test Type:			Recovery		
Test Duration:			30		
Test Level:			8.14		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1007592061		
Test Type:			Draw Down		
Test Duration:			40		
Test Level:			10.72		

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Level UOM:</i>		ft			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1007592049				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	5				
<i>Test Level:</i>	9.05				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1007592056				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	20				
<i>Test Level:</i>	8.76				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1007592052				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	10				
<i>Test Level:</i>	9.46				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1007592055				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	20				
<i>Test Level:</i>	10.09				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1007592043				
<i>Test Type:</i>	Draw Down				
<i>Test Duration:</i>	2				
<i>Test Level:</i>	8.42				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1007592050				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	5				
<i>Test Level:</i>	9.88				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>	1007592042				
<i>Test Type:</i>	Recovery				
<i>Test Duration:</i>	1				
<i>Test Level:</i>	10.68				
<i>Test Level UOM:</i>	ft				
<u><i>Draw Down & Recovery</i></u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1007592047			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		8.98			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592041			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592053			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		9.82			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592058			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		8.44			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592054			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		9.1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592064			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		7.01			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592057			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		10.34			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592048			
Test Type:		Recovery			
Test Duration:		4			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		10.04			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592063			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		10.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592044			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		10.43			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592062			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		7.56			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592065			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		11.03			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592045			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		8.78			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592046			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		10.22			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1007592051			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		9.53			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		1007592037			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		43.4			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1007592036			
Diameter:		15			
Depth From:		6.1			
Depth To:		46			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		1007592035			
Diameter:		25			
Depth From:		0			
Depth To:		6.1			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

17	1 of 1	ENE/54.1	190.8 / 5.00	lot 15 con 8 ON	WWIS
Well ID:	4513073			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	7/30/2002
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4635
Casing Material:				Form Version:	1
Audit No:	235499			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/451\4513073.pdf				

<u>Bore Hole Information</u>					
Bore Hole ID:	10533671			Elevation:	190.225738
DP2BR:	145			Elevrc:	
Spatial Status:				Zone:	17
Code OB:	r			East83:	708097.3
Code OB Desc:	Bedrock			North83:	4882262
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Completed:	5/1/2002			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932892206				
Layer:	6				
Color:	1				
General Color:	WHITE				
Mat1:	11				
Most Common Material:	GRAVEL				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	142				
Formation End Depth:	145				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932892208				
Layer:	8				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	146				
Formation End Depth:	149				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	932892207				
Layer:	7				
Color:	6				
General Color:	BROWN				
Mat1:	17				
Most Common Material:	SHALE				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	145				
Formation End Depth:	146				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932892203			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		12			
Mat3 Desc:		STONES			
Formation Top Depth:		8			
Formation End Depth:		122			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932892204			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		122			
Formation End Depth:		139			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932892205			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		139			
Formation End Depth:		142			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932892201			
Layer:		1			
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:	2				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	932892202				
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:	8				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933233231				
Layer:	1				
Plug From:	0				
Plug To:	18				
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	964513073				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	11082241				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930482353				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:					
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	994513073				
Pump Set At:					
Static Level:	35				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Final Level After Pumping: 147
Recommended Pump Depth: 149
Pumping Rate: 3
Flowing Rate:
Recommended Pump Rate: 2
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: 934776438
Test Type: Draw Down
Test Duration: 45
Test Level: 147
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934247545
Test Type: Draw Down
Test Duration: 15
Test Level: 147
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935036805
Test Type: Draw Down
Test Duration: 60
Test Level: 147
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934520922
Test Type: Draw Down
Test Duration: 30
Test Level: 147
Test Level UOM: ft

Water Details

Water ID: 934026977
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 146
Water Found Depth UOM: ft

18	1 of 1	ESE/55.3	183.5 / -2.32	8081 CALDWELL COURT lot 15 con 8 GARDENHILL ON	WWIS
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Well ID: 7042624	Data Entry Status:
Construction Date:	Data Src:
Primary Water Use: Domestic	Date Received: 4/16/2007

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1455
Casing Material:				Form Version:	3
Audit No:	Z36172			Owner:	
Tag:	A032960			Street Name:	8081 CALDWELL COURT
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
Overburden/Bedrock:				Concession Name:	
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7042624.pdf

Bore Hole Information

Bore Hole ID:	11765118	Elevation:	184.104904
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708202
Code OB Desc:	Overburden	North83:	4881963
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	4/1/2006	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:	933097500
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:	.6
Formation End Depth UOM:	m

Overburden and Bedrock

Materials Interval

Formation ID:	933097501
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:					
Mat2:		CLAY			
Mat2 Desc:		81			
Mat3:		SANDY			
Mat3 Desc:					
Formation Top Depth:		.6			
Formation End Depth:		12.8			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933097503			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		32.61			
Formation End Depth:		44.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933097502			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		81			
Mat2 Desc:		SANDY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		12.8			
Formation End Depth:		32.61			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933097504			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		44.5			
Formation End Depth:		45.72			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		933317122			
Layer:		1			
Plug From:		0			
Plug To:		6.09			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		967042624			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11772808			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930898004			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		44.19			
Casing Diameter:		15.9			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		933423954			
Layer:		1			
Slot:		18			
Screen Top Depth:		44.19			
Screen End Depth:		45.72			
Screen Material:		1			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		12.7			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11778070			
Pump Set At:		43.28			
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:		43.28			
Pumping Rate:		22.73			
Flowing Rate:		2.27			
Recommended Pump Rate:		22.73			
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			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Duration MIN: Flowing:		0			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803582			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		23.77			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803586			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		30.78			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803564			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		2.59			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803563			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		29.87			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803566			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		3.65			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803585			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		7.31			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803577			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		15.84			
Test Level UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803575			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		18.34			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803580			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		20.17			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803562			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		1.21			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803568			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		5.18			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803583			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		9.11			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803587			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		5.79			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803578			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		17.64			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11803584			
Test Type:		Draw Down			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Duration:</i>		50			
<i>Test Level:</i>		27.67			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11803569			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		24.68			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11803581			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		11.73			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11803572			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		10.36			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11803579			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		14.08			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11803567			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		26.57			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11803570			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		6.7			
<i>Test Level UOM:</i>		m			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11803573			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		21.03			
<i>Test Level UOM:</i>		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Draw Down & Recovery

Pump Test Detail ID: 11803565
Test Type: Recovery
Test Duration: 2
Test Level: 28.46
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11803571
Test Type: Recovery
Test Duration: 5
Test Level: 23.46
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11803574
Test Type: Draw Down
Test Duration: 15
Test Level: 12.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11803576
Test Type: Draw Down
Test Duration: 20
Test Level: 15.33
Test Level UOM: m

Water Details

Water ID: 934085301
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45.72
Water Found Depth UOM: m

Hole Diameter

Hole ID: 11851398
Diameter: 15.9
Depth From: 0
Depth To: 45.72
Hole Depth UOM: m
Hole Diameter UOM: cm

19	1 of 1	WNW/59.1	184.2 / -1.63	lot 17 con 8 ON	WWIS
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Well ID: 4506050	Data Entry Status:
Construction Date:	Data Src: 1
Primary Water Use: Domestic	Date Received: 7/23/1984
Sec. Water Use: 0	Selected Flag: Yes
Final Well Status: Water Supply	Abandonment Rec:
Water Type:	Contractor: 2104
Casing Material:	Form Version: 1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:				Owner: Street Name: County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 017 Concession: 08 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/450\4506050.pdf

Bore Hole Information

Bore Hole ID:	10284785	Elevation:	181.139831
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	707455.2
Code OB Desc:	Overburden	North83:	4882423
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	6/28/1984	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931911778
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	10
Formation End Depth:	125
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931911779
Layer:	3
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	77

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:		LOOSE			
Formation Top Depth:		125			
Formation End Depth:		134			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931911777			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		02			
Mat3 Desc:		TOPSOIL			
Formation Top Depth:		0			
Formation End Depth:		10			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964506050			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10833355			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930474187			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		130			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933353707			
Layer:		1			
Slot:		030			
Screen Top Depth:		125			
Screen End Depth:		129			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994506050			
Pump Set At:					
Static Level:		0			
Final Level After Pumping:		125			
Recommended Pump Depth:		130			
Pumping Rate:		5			
Flowing Rate:		1			
Recommended Pump Rate:		5			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		3			
Pumping Duration MIN:		30			
Flowing:		Yes			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935032526			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		125			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934243008			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		75			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934515753			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		125			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934762710			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		125			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933755173			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		134			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
20	1 of 1	ENE/65.7	190.0 / 4.14	lot 18 con 7 ON	WWIS

Well ID:	4509964	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	4/7/1993
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3129
Casing Material:		Form Version:	1
Audit No:	119163	Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	018
Well Depth:		Concession:	07
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/450\4509964.pdf

Bore Hole Information

Bore Hole ID:	10288686	Elevation:	189.580718
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708122
Code OB Desc:	Overburden	North83:	4882226
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	3/25/1993	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. Well in same location as sketch map; conflicts with recorded con/lot.		
Supplier Comment:	Determined to be an improvement rather than a Lot Centroid in December 2009.		

Overburden and Bedrock Materials Interval

Formation ID:	931927805
Layer:	2
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	1
Formation End Depth:	66
Formation End Depth UOM:	ft

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:			931927807		
Layer:			4		
Color:					
General Color:					
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			69		
Formation End Depth:			70		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931927804		
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		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931927806		
Layer:			3		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			66		
Formation End Depth:			69		
Formation End Depth UOM:			ft		
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:			933165506		
Layer:			1		
Plug From:			0		
Plug To:			20		
Plug Depth UOM:			ft		
<u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID: 964509964					
Method Construction Code: 1					
Method Construction: Cable Tool					
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID: 10837256					
Casing No: 1					
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID: 930478434					
Layer: 1					
Material: 1					
Open Hole or Material: STEEL					
Depth From:					
Depth To: 70					
Casing Diameter: 6					
Casing Diameter UOM: inch					
Casing Depth UOM: ft					
 <u>Results of Well Yield Testing</u>					
Pump Test ID: 994509964					
Pump Set At:					
Static Level: 14					
Final Level After Pumping: 18					
Recommended Pump Depth: 65					
Pumping Rate: 10					
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: 1					
Pumping Duration HR: 1					
Pumping Duration MIN: 0					
Flowing: No					
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934519156					
Test Type:					
Test Duration: 30					
Test Level: 18					
Test Level UOM: ft					
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934775105					
Test Type:					
Test Duration: 45					
Test Level: 18					
Test Level UOM: ft					
 <u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 935026155					
Test Type:					
Test Duration: 60					
Test Level: 18					
Test Level UOM: ft					
Draw Down & Recovery					
Pump Test Detail ID: 934237666					
Test Type:					
Test Duration: 15					
Test Level: 16					
Test Level UOM: ft					
Water Details					
Water ID: 933759347					
Layer: 1					
Kind Code: 1					
Kind: FRESH					
Water Found Depth: 70					
Water Found Depth UOM: ft					

21	1 of 1	SSE/72.0	176.9 / -8.92	lot 16 con 7 ON	WWIS
Well ID: 4505584					
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: 5/20/1981					
Selected Flag: Yes					
Abandonment Rec:					
Contractor: 4713					
Form Version: 1					
Owner:					
Street Name:					
County: NORTHUMBERLAND					
Municipality: HOPE TOWNSHIP					
Site Info:					
Lot: 016					
Concession: 07					
Concession Name: CON					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/450\4505584.pdf

Bore Hole Information

Bore Hole ID: 10284326					
DP2BR:					
Spatial Status:					
Code OB: o					
Code OB Desc: Overburden					
Open Hole:					
Cluster Kind:					
Date Completed: 1/17/1980					
Remarks:					
Elevrc Desc:					
Location Source Date:					
Elevation: 178.226211					
Elevrc:					
Zone: 17					
East83: 708055.2					
North83: 4881463					
Org CS:					
UTMRC: 4					
UTMRC Desc: margin of error : 30 m - 100 m					
Location Method: p4					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock
Materials Interval

Formation ID: 931909956
Layer: 4
Color: 3
General Color: BLUE
Mat1: 11
Most Common Material: GRAVEL
Mat2: 28
Mat2 Desc: SAND
Mat3:
Mat3 Desc:
Formation Top Depth: 134
Formation End Depth: 135
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931909955
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 85
Mat2 Desc: SOFT
Mat3:
Mat3 Desc:
Formation Top Depth: 90
Formation End Depth: 134
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931909954
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2: 12
Mat2 Desc: STONES
Mat3: 73
Mat3 Desc: HARD
Formation Top Depth: 30
Formation End Depth: 90
Formation End Depth UOM: ft

Overburden and Bedrock
Materials Interval

Formation ID: 931909953
Layer: 1
Color: 6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:		73			
Mat3 Desc:		HARD			
Formation Top Depth:		0			
Formation End Depth:		30			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964505584			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10832896			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930473689			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		135			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994505584			
Pump Set At:					
Static Level:		40			
Final Level After Pumping:		80			
Recommended Pump Depth:		80			
Pumping Rate:		15			
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:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934514593			
Test Type:		Draw Down			
Test Duration:		30			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934769892			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935030949			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934241842			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		60			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933754651			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		135			
Water Found Depth UOM:		ft			

22	1 of 1	WSW/73.6	175.3 / -10.54	8234 MILL ST lot 17 con 8 ON	WWIS
Well ID:	7177004			Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:	Domestic			Date Received:	2/21/2012
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3367
Casing Material:				Form Version:	7
Audit No:	Z139606			Owner:	
Tag:	A123335			Street Name:	8234 MILL ST
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	017
Well Depth:				Concession:	08
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/7177177004.pdf				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Bore Hole Information</u>					
Bore Hole ID:	1003694082			Elevation:	177.622161
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	707614
Code OB Desc:				North83:	4881958
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	5
Date Completed:	12/19/2011			UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:				Location Method:	digit
Elevrc Desc:					
Location Source Date:					
Improvement Location Source:					
Improvement Location Method:					
Source Revision Comment:					
Supplier Comment:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004098177				
Layer:	4				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:	79				
Mat3 Desc:	PACKED				
Formation Top Depth:	110				
Formation End Depth:	131				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004098174				
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:	6				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:	1004098178				
Layer:	5				
Color:	2				
General Color:	GREY				
Mat1:	15				
Most Common Material:	LIMESTONE				
Mat2:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:					
Mat3:		73			
Mat3 Desc:		HARD			
Formation Top Depth:		131			
Formation End Depth:		132			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004098176			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		20			
Formation End Depth:		110			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004098175			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		6			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004098214			
Layer:		2			
Plug From:		13			
Plug To:		0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004098213			
Layer:		1			
Plug From:		20			
Plug To:		13			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Method Construction ID:		1004098212			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		DR-12W			
<u>Pipe Information</u>					
Pipe ID:		1004098172			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004098183			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		131			
Depth To:		132			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		1004098182			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		-2			
Depth To:		131			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1004098184			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1004098173			
Pump Set At:		130			
Static Level:		10			
Final Level After Pumping:		62.6			
Recommended Pump Depth:		126			
Pumping Rate:		6			
Flowing Rate:					
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pumping Test Method:</i>			0		
<i>Pumping Duration HR:</i>			1		
<i>Pumping Duration MIN:</i>			0		
<i>Flowing:</i>			No		
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1004098206		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			40		
<i>Test Level:</i>			31.85		
<i>Test Level UOM:</i>			ft		
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1004098198		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			15		
<i>Test Level:</i>			41.7		
<i>Test Level UOM:</i>			ft		
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1004098202		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			25		
<i>Test Level:</i>			38		
<i>Test Level UOM:</i>			ft		
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1004098187		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			2		
<i>Test Level:</i>			20.65		
<i>Test Level UOM:</i>			ft		
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1004098188		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			2		
<i>Test Level:</i>			57		
<i>Test Level UOM:</i>			ft		
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1004098210		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			60		
<i>Test Level:</i>			27		
<i>Test Level UOM:</i>			ft		
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			1004098197		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			15		
<i>Test Level:</i>			38.95		
<i>Test Level UOM:</i>			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098194			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		51.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098200			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		39.15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098190			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		54.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098191			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		27			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098186			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		59.1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098203			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		53.35			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098205			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		55.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		1004098208			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		28.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098196			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		45.5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098193			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		28.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098199			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		46.1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098192			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		53.18			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098201			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		50.25			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098207			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		61.2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098185			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		15.35			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098189			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		24.15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098204			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		36.15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098195			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		32			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1004098209			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		62.6			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		1004098181			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		131			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1004098180			
Diameter:		6.625			
Depth From:		0			
Depth To:		1.32			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		1004098179			
Diameter:		10			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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23	1 of 1	SSE/83.4	176.8 / -9.00	lot 16 con 7 ON	WWIS
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Well ID:	4504798	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	10/24/1977
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2104
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	016
Well Depth:		Concession:	07
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/450\4504798.pdf

Bore Hole Information

Bore Hole ID:	10283633	Elevation:	177.021408
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708015.2
Code OB Desc:	Overburden	North83:	4881463
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	9/29/1977	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931907389
Layer:	1
Color:	6
General Color:	BROWN
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931907390			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		78			
Mat2 Desc:		MEDIUM-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931907391			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		60			
Formation End Depth:		75			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964504798			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10832203			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930472886			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		60			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen ID:		933353440			
Layer:		1			
Slot:					
Screen Top Depth:		53			
Screen End Depth:		75			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5.25			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994504798			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		22			
Recommended Pump Depth:		50			
Pumping Rate:		30			
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:		4			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934512449			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934768172			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934239695			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		20			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935029221			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		20			
Test Level UOM:		ft			

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

Water ID: 933753925
 Layer: 1
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 75
 Water Found Depth UOM: ft

[24](#) 1 of 1 **ENE/89.7** **189.0 / 3.19** **lot 14 con 8 ON** **WWIS**

Well ID:	4508346	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	11/20/1989
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	6004
Casing Material:		Form Version:	1
Audit No:	64529	Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	014
Well Depth:		Concession:	08
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/450\4508346.pdf

Bore Hole Information

Bore Hole ID:	10287072	Elevation:	188.835784
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708163
Code OB Desc:	Overburden	North83:	4882181
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	11/6/1989	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. Well in same location as sketch map; conflicts with recorded con/lot.

Supplier Comment: Determined to be an improvement rather than a Lot Centroid in December 2009.

**Overburden and Bedrock
Materials Interval**

Formation ID: 931920987
 Layer: 3
 Color: 2
 General Color: GREY
 Mat1: 05

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:					
Mat2:		CLAY			
Mat2 Desc:		85			
Mat3:		SOFT			
Mat3 Desc:					
Formation Top Depth:		8			
Formation End Depth:		55			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920988			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		77			
Mat2 Desc:		LOOSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		55			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920985			
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920986			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		1			
Formation End Depth:		8			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		933164597			
Layer:		3			
Plug From:		58			
Plug To:		60			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164596			
Layer:		2			
Plug From:		8			
Plug To:		10			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164595			
Layer:		1			
Plug From:		0			
Plug To:		8			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964508346			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10835642			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930476635			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		60			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994508346			
Pump Set At:					
Static Level:		3			
Final Level After Pumping:		4			
Recommended Pump Depth:		45			
Pumping Rate:		8			
Flowing Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935031042			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934778875			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934514834			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934241960			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		4			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933757648			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		55			
Water Found Depth UOM:		ft			

[25](#)

1 of 1

SSE/90.0

175.8 / -10.03

lot 16 con 7
ON

WWIS

Well ID: 1902131
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:

Data Entry Status:
Data Src: 1
Date Received: 7/2/1963
Selected Flag: Yes
Abandonment Rec:
Contractor: 2615
Form Version: 1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:				Owner: Street Name: County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 016 Concession: 07 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902131.pdf			

Bore Hole Information

Bore Hole ID:	10071194	Elevation:	178.172073
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708059.2
Code OB Desc:	Overburden	North83:	4881445
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	6/18/1963	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:	931144170
Layer:	1
Color:	
General Color:	
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	2
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	931144172
Layer:	3
Color:	
General Color:	
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	
Mat2 Desc:	
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		9			
Formation End Depth:		49			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931144171			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		9			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902131			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619764			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128660			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		49			
Casing Diameter:		36			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902131			
Pump Set At:					
Static Level:		34			
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:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State After Test:		CLEAR			
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
Water Details					
Water ID:		933512681			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		49			
Water Found Depth UOM:		ft			

26	1 of 1	E/98.4	186.5 / 0.69	lot 15 con 8 ON	WWIS
Well ID:	4509592			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	3/16/1992
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3129
Casing Material:				Form Version:	1
Audit No:	71977			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/450\4509592.pdf

Bore Hole Information

Bore Hole ID:	10288314	Elevation:	187.606552
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708195
Code OB Desc:	Overburden	North83:	4882115
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	3/5/1992	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931926182			
Layer:		6			
Color:		6			
General Color:		BROWN			
Mat1:		10			
Most Common Material:		COARSE SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		63			
Formation End Depth:		67			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931926180			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		26			
Formation End Depth:		49			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931926178			
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:		5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931926181			
Layer:		5			
Color:		8			
General Color:		BLACK			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		84			
Mat3 Desc:		SILTY			
Formation Top Depth:		49			
Formation End Depth:		63			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931926179			
Layer:		3			
Color:		8			
General Color:		BLACK			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5			
Formation End Depth:		26			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931926177			
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			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933165256			
Layer:		1			
Plug From:		0			
Plug To:		12			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964509592			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10836884			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930478027			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		67			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994509592			
Pump Set At:					
Static Level:		10			
Final Level After Pumping:		13			
Recommended Pump Depth:		50			
Pumping Rate:		20			
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:		2			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935025034			
Test Type:					
Test Duration:		60			
Test Level:		13			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934509400			
Test Type:					
Test Duration:		30			
Test Level:		13			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934773985			
Test Type:					
Test Duration:		45			
Test Level:		13			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934236539			
Test Type:					
Test Duration:		15			
Test Level:		13			
Test Level UOM:		ft			

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

Water ID: 933758954
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 27
Water Found Depth UOM: ft

[27](#) 1 of 1 **E/99.0** **186.5 / 0.69** **lot 15 con 8 ON** **WWIS**

Well ID: 4512284 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: 217422 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: 8/23/2000 Selected Flag: Yes Abandonment Rec: Contractor: 3367 Form Version: 1 Owner: Street Name: County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 015 Concession: 08 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/451\4512284.pdf

Bore Hole Information

Bore Hole ID: 10291001 DP2BR: 150 Spatial Status: Improved Code OB: r Code OB Desc: Bedrock Open Hole: Cluster Kind: Date Completed: 8/16/2000 Remarks: 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.	Elevation: 187.901779 Elevrc: Zone: 17 East83: 708194 North83: 4882120 Org CS: N83 UTMRC: 3 UTMRC Desc: margin of error : 10 - 30 m Location Method:
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**Overburden and Bedrock
Materials Interval**

Formation ID: 931938297
Layer: 5
Color: 2
General Color: GREY
Mat1: 15
Most Common Material: LIMESTONE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		73			
Mat2 Desc:		HARD			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		150			
Formation End Depth:		155			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931938294			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		79			
Mat2 Desc:		PACKED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931938293			
Layer:		1			
Color:		6			
General Color:		BROWN			
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931938295			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		66			
Mat2 Desc:		DENSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		15			
Formation End Depth:		149			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931938296			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		149			
Formation End Depth:		150			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933167801			
Layer:		1			
Plug From:		0			
Plug To:		5			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933167802			
Layer:		2			
Plug From:		5			
Plug To:		15			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964512284			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10839571			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930481356			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930481355			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994512284			
Pump Set At:					
Static Level:		35			
Final Level After Pumping:		79			
Recommended Pump Depth:		149			
Pumping Rate:		7			
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:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934774151			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		79			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935034658			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		79			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934236192			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		65			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934518632			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		79			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Details					
Water ID:		933761988			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		150			
Water Found Depth UOM:		ft			

28	1 of 1	ESE/99.2	182.1 / -3.69	8064 COLDWELL COURT lot 5 con 8 GARDEN HILL ON	WWIS
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Well ID:	4514529	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Domestic	Date Received:	2/20/2006
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	7156
Casing Material:		Form Version:	3
Audit No:	Z29948	Owner:	
Tag:	A027935	Street Name:	8064 COLDWELL COURT
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	005
Well Depth:		Concession:	08
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/4514514529.pdf

Bore Hole Information

Bore Hole ID:	11554663	Elevation:	182.111358
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	x	East83:	708253
Code OB Desc:	Unknown type in the lower layers(s)	North83:	4881950
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	2/4/2006	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:	933041178
Layer:	3
Color:	
General Color:	
Mat1:	13
Most Common Material:	BOULDERS
Mat2:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		41.15			
Formation End Depth:		42.07			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933041180			
Layer:		5			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		44.2			
Formation End Depth:		46.03			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933041177			
Layer:		2			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		.3048			
Formation End Depth:		41.15			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933041176			
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:		.3048			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933041179			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		4			
Color:					
General Color:					
Mat1:					
Most Common Material:					
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		42.07			
Formation End Depth:		44.2			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933287146			
Layer:		1			
Plug From:		0			
Plug To:		6.1			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964514529			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11564270			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930875120			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		44.2			
Casing Diameter:		15.9			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Casing</u>					
Casing ID:		930875121			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:		44.2			
Depth To:		46.03			
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Results of Well Yield Testing</u>					
Pump Test ID:			11572269		
Pump Set At:			44		
Static Level:			2.4		
Final Level After Pumping:			41.9		
Recommended Pump Depth:			45		
Pumping Rate:			22.7		
Flowing Rate:					
Recommended Pump Rate:			22.7		
Levels UOM:			m		
Rate UOM:			LPM		
Water State After Test Code:			3		
Water State After Test:			OTHER		
Pumping Test Method:					
Pumping Duration HR:			2		
Pumping Duration MIN:					
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11588322		
Test Type:			Recovery		
Test Duration:			2		
Test Level:			38		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11588326		
Test Type:			Recovery		
Test Duration:			4		
Test Level:			35.8		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11588339		
Test Type:			Draw Down		
Test Duration:			40		
Test Level:			35		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11588323		
Test Type:			Draw Down		
Test Duration:			3		
Test Level:			6.9		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11588320		
Test Type:			Recovery		
Test Duration:			1		
Test Level:			40		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		11588335			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		24.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11588319			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		3.5			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11588329			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		12.9			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11588333			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		20.5			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11588342			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		21.9			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11588337			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		30.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11588341			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		40			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11588325			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		10.4			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11588338			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		23			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11588894			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		20			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11588324			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		37			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11588330			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		30			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11588343			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		60			
<i>Test Level:</i>		41.9			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11588336			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		24.4			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					
<i>Pump Test Detail ID:</i>		11588331			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		16.9			
<i>Test Level UOM:</i>		m			
<u><i>Draw Down & Recovery</i></u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pump Test Detail ID:</i>		11588340			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		40			
<i>Test Level:</i>		22			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11588332			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		28.9			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11588328			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		34			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11588321			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		4			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11588334			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		20			
<i>Test Level:</i>		27.4			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11588327			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		11			
<i>Test Level UOM:</i>		m			
 <i><u>Water Details</u></i>					
<i>Water ID:</i>		934073197			
<i>Layer:</i>		1			
<i>Kind Code:</i>					
<i>Kind:</i>					
<i>Water Found Depth:</i>		46.03			
<i>Water Found Depth UOM:</i>		m			
 <i><u>Hole Diameter</u></i>					
<i>Hole ID:</i>		11686124			
<i>Diameter:</i>		15.9			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From:		0			
Depth To:		46.03			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

29	1 of 1	SSE/99.7	175.8 / -10.03	lot 16 con 7 ON	WWIS
Well ID:	4507062			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	4/11/1988
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2104
Casing Material:				Form Version:	1
Audit No:	31334			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/450\4507062.pdf

Bore Hole Information

Bore Hole ID:	10285793	Elevation:	178.743118
DP2BR:	136	Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	r	East83:	708076
Code OB Desc:	Bedrock	North83:	4881437
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	3/18/1988	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:	931915773
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	05
Mat3 Desc:	CLAY
Formation Top Depth:	65

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:			75		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931915775		
Layer:			6		
Color:			2		
General Color:			GREY		
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:			05		
Mat2 Desc:			CLAY		
Mat3:			73		
Mat3 Desc:			HARD		
Formation Top Depth:			125		
Formation End Depth:			136		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931915771		
Layer:			2		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			11		
Mat2 Desc:			GRAVEL		
Mat3:			79		
Mat3 Desc:			PACKED		
Formation Top Depth:			3		
Formation End Depth:			45		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931915776		
Layer:			7		
Color:			6		
General Color:			BROWN		
Mat1:			15		
Most Common Material:			LIMESTONE		
Mat2:			73		
Mat2 Desc:			HARD		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			136		
Formation End Depth:			150		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931915770		
Layer:			1		
Color:			6		
General Color:			BROWN		
Mat1:			02		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		TOPSOIL			
Mat2:		78			
Mat2 Desc:		MEDIUM-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		3			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915772			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		05			
Mat3 Desc:		CLAY			
Formation Top Depth:		45			
Formation End Depth:		65			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915774			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		75			
Formation End Depth:		125			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		964507062			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10834363			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930475252			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:	1				
Open Hole or Material:		STEEL			
Depth From:					
Depth To:	136				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	994507062				
Pump Set At:					
Static Level:	20				
Final Level After Pumping:	142				
Recommended Pump Depth:	145				
Pumping Rate:	4				
Flowing Rate:					
Recommended Pump Rate:	4				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	2				
Water State After Test:	CLOUDY				
Pumping Test Method:	2				
Pumping Duration HR:	6				
Pumping Duration MIN:	0				
Flowing:	No				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934237560				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	142				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934775475				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	142				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	935027075				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	142				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934510854				
Test Type:	Draw Down				
Test Duration:	30				
Test Level:	142				
Test Level UOM:	ft				
<u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<hr/>					
Water ID:		933756302			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		148			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933756301			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		65			
Water Found Depth UOM:		ft			
<hr/>					

30	1 of 1	SSE/108.1	175.8 / -10.03	lot 16 con 7 ON	WWIS
Well ID:	4508925			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	9/17/1990
Sec. Water Use:	Not Used			Selected Flag:	Yes
Final Well Status:	Abandoned-Quality			Abandonment Rec:	
Water Type:				Contractor:	2104
Casing Material:				Form Version:	1
Audit No:	86984			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/450\4508925.pdf				

Bore Hole Information

Bore Hole ID:	10287650	Elevation:	178.194793
DP2BR:	135	Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	r	East83:	708073
Code OB Desc:	Bedrock	North83:	4881428
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	8/23/1990	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**

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931923430			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		20			
Formation End Depth:		65			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931923429			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		3			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931923433			
Layer:		6			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		135			
Formation End Depth:		146			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931923428			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:	3				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931923432				
Layer:	5				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	75				
Formation End Depth:	135				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931923431				
Layer:	4				
Color:	2				
General Color:	GREY				
Mat1:	28				
Most Common Material:	SAND				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	65				
Formation End Depth:	75				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933164877				
Layer:	1				
Plug From:	0				
Plug To:	146				
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	964508925				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10836220				
Casing No:	1				
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930477280			
Layer:		1			
Material:					
Open Hole or Material:					
Depth From:					
Depth To:		6			
Casing Diameter:		inch			
Casing Diameter UOM:					
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994508925			
Pump Set At:					
Static Level:					
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:					
Water State After Test:					
Pumping Test Method:		2			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		No			
<u>Water Details</u>					
Water ID:		933758249			
Layer:		1			
Kind Code:		2			
Kind:		SALTY			
Water Found Depth:		146			
Water Found Depth UOM:		ft			

31	1 of 1	SSE/108.3	175.8 / -10.03	lot 16 con 7 ON	WWIS
Well ID:	4508926			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	9/17/1990
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2104
Casing Material:				Form Version:	1
Audit No:	86983			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
Overburden/Bedrock:				Concession Name:	CON
Pump Rate:				Easting NAD83:	
Static Water Level:				Northing NAD83:	
Flowing (Y/N):				Zone:	
Flow Rate:				UTM Reliability:	
Clear/Cloudy:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/450\4508926.pdf

Bore Hole Information

Bore Hole ID:	10287651	Elevation:	177.488281
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708065
Code OB Desc:	Overburden	North83:	4881427
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	8/23/1990	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:	931923435
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	3
Formation End Depth:	20
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	931923436
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	54
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	931923434
Layer:	1
Color:	6
General Color:	BROWN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		3			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931923437			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		54			
Formation End Depth:		58			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964508926			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10836221			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930477281			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		55			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933354225			
Layer:		1			
Slot:		014			
Screen Top Depth:		50			
Screen End Depth:		59			
Screen Material:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			

Results of Well Yield Testing

Pump Test ID:	994508926
Pump Set At:	
Static Level:	26
Final Level After Pumping:	43
Recommended Pump Depth:	50
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:	2
Pumping Duration HR:	3
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933758250
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58
Water Found Depth UOM:	ft

32	1 of 1	SE/118.0	174.8 / -11.03	lot 15 con 7 ON	WWIS
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Well ID:	1902127	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	2/23/1965
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1904
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	015
Well Depth:		Concession:	07
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/190\1902127.pdf

Bore Hole Information

Bore Hole ID:	10071190	Elevation:	176.229721
DP2BR:	139	Elevec:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Spatial Status:				Zone:	17
Code OB:	r			East83:	708384.2
Code OB Desc:	Bedrock			North83:	4881610
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	5
Date Completed:	11/11/1964			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: 931144156
Layer: 3
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY
Mat2: 06
Mat2 Desc: SILT
Mat3:
Mat3 Desc:
Formation Top Depth: 85
Formation End Depth: 139
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931144154
Layer: 1
Color:
General Color:
Mat1: 23
Most Common Material: PREVIOUSLY DUG
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 0
Formation End Depth: 24
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931144155
Layer: 2
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 24
Formation End Depth: 85

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931144157			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		139			
Formation End Depth:		141			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902127			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619760			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128654			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		139			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930128655			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		141			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902127			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Set At:					
Static Level:					
Final Level After Pumping:	0				
Recommended Pump Depth:	10				
Pumping Rate:	33				
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:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	Yes				
 <u>Water Details</u>					
Water ID:	933512677				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	139				
Water Found Depth UOM:	ft				

33	1 of 1	ENE/124.3	187.7 / 1.83	lot 20 con 8 ON	WWIS
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Well ID:	4508763	Data Entry Status:	1
Construction Date:		Data Src:	7/16/1990
Primary Water Use:	Domestic	Date Received:	Yes
Sec. Water Use:		Selected Flag:	
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3367
Casing Material:		Form Version:	1
Audit No:	78623	Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	020
Well Depth:		Concession:	08
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/450\4508763.pdf

Bore Hole Information

Bore Hole ID:	10287488	Elevation:	189.339492
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708200
Code OB Desc:	Overburden	North83:	4882180
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	6/25/1990	UTMRC Desc:	margin of error : 10 - 30 m
Remarks:		Location Method:	
Elevrc Desc:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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. Well in same location as sketch map; conflicts with recorded con/lot.					
Supplier Comment: Determined to be an improvement rather than a Lot Centroid in December 2009.					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931922760			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		43			
Formation End Depth:		59			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931922758			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		79			
Mat2 Desc:		PACKED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1			
Formation End Depth:		12			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931922757			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931922759			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		66			
Mat2 Desc:		DENSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		12			
Formation End Depth:		43			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931922761			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		31			
Most Common Material:		COARSE GRAVEL			
Mat2:		91			
Mat2 Desc:		WATER-BEARING			
Mat3:		28			
Mat3 Desc:		SAND			
Formation Top Depth:		59			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933164801			
Layer:		1			
Plug From:		0			
Plug To:		10			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		964508763			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10836058			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930477102			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		60			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994508763			
Pump Set At:					
Static Level:		6			
Final Level After Pumping:		40			
Recommended Pump Depth:		50			
Pumping Rate:		10			
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:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934243090			
Test Type:					
Test Duration:		15			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934771236			
Test Type:					
Test Duration:		45			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935032166			
Test Type:					
Test Duration:		60			
Test Level:		40			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934507607			
Test Type:					
Test Duration:		30			
Test Level:		40			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933758081			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:		60			
Water Found Depth UOM:		ft			

34	1 of 1	E/133.6	186.4 / 0.55	lot 15 con 8 ON	WWIS
Well ID:	4512471			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/29/2000
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2662
Casing Material:				Form Version:	1
Audit No:	216662			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/451\4512471.pdf

Bore Hole Information

Bore Hole ID:	10291188	Elevation:	188.750701
DP2BR:	147	Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	r	East83:	708223
Code OB Desc:	Bedrock	North83:	4882142
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	11/8/2000	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:	931939052
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4
Formation End Depth:	18
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931939053			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		18			
Formation End Depth:		65			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931939051			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		81			
Mat2 Desc:		SANDY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		4			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931939055			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:		26			
Mat2 Desc:		ROCK			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		147			
Formation End Depth:		156			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931939054			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:	65				
Formation End Depth:	147				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933167974				
Layer:	1				
Plug From:	0				
Plug To:	20				
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	964512471				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10839758				
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930481601				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:					
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Casing</u>					
Casing ID:	930481602				
Layer:	2				
Material:	4				
Open Hole or Material:	OPEN HOLE				
Depth From:					
Depth To:					
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	994512471				
Pump Set At:					
Static Level:	29				
Final Level After Pumping:	130				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Depth: 155					
Pumping Rate: 6					
Flowing Rate:					
Recommended Pump Rate: 5					
Levels UOM: ft					
Rate UOM: GPM					
Water State After Test Code: 2					
Water State After Test: CLOUDY					
Pumping Test Method: 1					
Pumping Duration HR: 2					
Pumping Duration MIN: 30					
Flowing: No					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934774731					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 130					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934236773					
Test Type: Draw Down					
Test Duration: 15					
Test Level: 90					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934519212					
Test Type: Draw Down					
Test Duration: 30					
Test Level: 130					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 935034129					
Test Type: Draw Down					
Test Duration: 60					
Test Level: 130					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933762184					
Layer: 1					
Kind Code: 5					
Kind: Not stated					
Water Found Depth: 150					
Water Found Depth UOM: ft					

35	1 of 1	S/135.8	176.2 / -9.61	lot 17 con 7 ON	WWIS
Well ID:	4507063			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	4/11/1988
Sec. Water Use:				Selected Flag:	Yes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2104
Casing Material:				Form Version:	1
Audit No:	31340			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	017
Well Depth:				Concession:	07
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/450\4507063.pdf

Bore Hole Information

Bore Hole ID:	10285794	Elevation:	175.107498
DP2BR:	128	Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	r	East83:	707948
Code OB Desc:	Bedrock	North83:	4881446
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	3/28/1988	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:	931915777
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	78
Mat2 Desc:	MEDIUM-GRAINED
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	6
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931915781
Layer:	5
Color:	2
General Color:	GREY
Mat1:	11
Most Common Material:	GRAVEL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		120			
Formation End Depth:		128			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915778			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		6			
Formation End Depth:		60			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915780			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		88			
Formation End Depth:		120			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931915779			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		78			
Mat3 Desc:		MEDIUM-GRAINED			
Formation Top Depth:		60			
Formation End Depth:		88			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931915782			
Layer:		6			
Color:		6			
General Color:		BROWN			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:		80			
Mat2 Desc:		POROUS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		128			
Formation End Depth:		155			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964507063			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10834364			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930475253			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		128			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994507063			
Pump Set At:					
Static Level:		15			
Final Level After Pumping:		150			
Recommended Pump Depth:		150			
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:		4			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID: 935027076					
Test Type: Draw Down					
Test Duration: 60					
Test Level: 150					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934237561					
Test Type: Draw Down					
Test Duration: 15					
Test Level: 150					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934510855					
Test Type: Draw Down					
Test Duration: 30					
Test Level: 150					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934775476					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 150					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933756303					
Layer: 1					
Kind Code: 5					
Kind: Not stated					
Water Found Depth: 65					
Water Found Depth UOM: ft					
<u>Water Details</u>					
Water ID: 933756304					
Layer: 2					
Kind Code: 5					
Kind: Not stated					
Water Found Depth: 140					
Water Found Depth UOM: ft					

36	1 of 1	SSE/138.5	177.9 / -7.96	lot 16 con 7 ON	WWIS
Well ID: 1903703		Data Entry Status:			
Construction Date:		Data Src: 1			
Primary Water Use: Domestic		Date Received: 11/8/1973			
Sec. Water Use: 0		Selected Flag: Yes			
Final Well Status: Water Supply		Abandonment Rec:			
Water Type:		Contractor: 2214			
Casing Material:		Form Version: 1			
Audit No:		Owner:			
Tag:		Street Name:			
Construction Method:		County: NORTHUMBERLAND			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/190\1903703.pdf

Bore Hole Information

Bore Hole ID:	10072741	Elevation:	175.779037
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708015.2
Code OB Desc:	Overburden	North83:	4881403
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	10/10/1973	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931150557
Layer:	1
Color:	8
General Color:	BLACK
Mat1:	Q2
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:	931150560
Layer:	4
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	28
Formation End Depth:	36

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931150558			
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			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931150559			
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:		28			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961903703			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10621311			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930130335			
Layer:		1			
Material:		3			
Open Hole or Material:		CONCRETE			
Depth From:					
Depth To:		36			
Casing Diameter:		30			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991903703			
Pump Set At:					
Static Level:		24			
Final Level After Pumping:		36			
Recommended Pump Depth:		35			
Pumping Rate:		8			
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934923830			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		32			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934665510			
Test Type:		Recovery			
Test Duration:		45			
Test Level:		33			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934122043			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		35			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934405119			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		34			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933514361			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		28			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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37	1 of 1	SSE/143.6	177.9 / -7.96	lot 16 con 7 ON	WWIS
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Well ID:	4512271	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/20/2000
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	7030
Casing Material:		Form Version:	1
Audit No:	212582	Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	016
Well Depth:		Concession:	07
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/451\4512271.pdf

Bore Hole Information

Bore Hole ID:	10290988	Elevation:	176.013656
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708030
Code OB Desc:	Overburden	North83:	4881394
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	7/14/2000	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:	931938240
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	73
Mat3 Desc:	HARD
Formation Top Depth:	119
Formation End Depth:	151
Formation End Depth UOM:	ft

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		931938237			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:		73			
Mat3 Desc:		HARD			
Formation Top Depth:		2			
Formation End Depth:		51			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931938241			
Layer:		6			
Color:		2			
General Color:		GREY			
Mat1:		30			
Most Common Material:		MEDIUM GRAVEL			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		151			
Formation End Depth:		160			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931938238			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		51			
Formation End Depth:		96			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931938239			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		09			
Most Common Material:		MEDIUM SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:					
Mat3 Desc:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:			96		
Formation End Depth:			119		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931938236		
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:			2		
Formation End Depth UOM:			ft		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			933167787		
Layer:			1		
Plug From:			0		
Plug To:			20		
Plug Depth UOM:			ft		
<u>Method of Construction & Well Use</u>					
Method Construction ID:			964512271		
Method Construction Code:			1		
Method Construction:			Cable Tool		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:			10839558		
Casing No:			1		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			930481338		
Layer:			2		
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:			inch		
Casing Depth UOM:			ft		
<u>Construction Record - Casing</u>					
Casing ID:			930481337		
Layer:			1		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material:	1				
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Screen</u>					
Screen ID:	933355081				
Layer:	1				
Slot:	012				
Screen Top Depth:	151				
Screen End Depth:	160				
Screen Material:					
Screen Depth UOM:	ft				
Screen Diameter UOM:	inch				
Screen Diameter:	5				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	994512271				
Pump Set At:					
Static Level:	72				
Final Level After Pumping:	133				
Recommended Pump Depth:	145				
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:	5				
Pumping Duration MIN:	30				
Flowing:	No				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934236182				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	98				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	935034648				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	131				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934774141				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	127				
Test Level UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Draw Down & Recovery

Pump Test Detail ID: 934518622
Test Type: Draw Down
Test Duration: 30
Test Level: 122
Test Level UOM: ft

Water Details

Water ID: 933761977
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 160
Water Found Depth UOM: ft

38	1 of 1	ENE/152.1	189.6 / 3.73	220 WRIGHT CRES. lot 15 con 8 CAMPBELLCROFT ON	WWIS
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<p>Well ID: 7143690 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z62697 Tag: A063752 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:</p>	<p>Data Entry Status: Data Src: Date Received: 4/22/2010 Selected Flag: Yes Abandonment Rec: Contractor: 4635 Form Version: 4 Owner: Street Name: 220 WRIGHT CRES. County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 015 Concession: 08 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:</p>
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/714\7143690.pdf

Bore Hole Information

<p>Bore Hole ID: 1002960957 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 3/16/2009 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:</p>	<p>Elevation: 189.759414 Elevrc: Zone: 17 East83: 708201 North83: 4882262 Org CS: UTM83 UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: wwr</p>
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002962659		
Layer:			3		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			4.2		
Formation End Depth:			13.8		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002962658		
Layer:			2		
Color:			6		
General Color:			BROWN		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			.9		
Formation End Depth:			4.2		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002962657		
Layer:			1		
Color:					
General Color:					
Mat1:			02		
Most Common Material:			TOPSOIL		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0		
Formation End Depth:			.9		
Formation End Depth UOM:			m		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			1002962660		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:					
Mat2 Desc:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		13.8			
Formation End Depth:		14.4			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1002962662			
Layer:		1			
Plug From:		0			
Plug To:		6			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1002962693			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1002962655			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1002962664			
Layer:					
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		14.4			
Casing Diameter:		15.5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1002962665			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:					
Screen Diameter UOM:					
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1002962656			
Pump Set At:		13.5			
Static Level:		3			
Final Level After Pumping:		4.2			
Recommended Pump Depth:		13.5			
Pumping Rate:		30.5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Flowing Rate:					
Recommended Pump Rate:		30.5			
Levels UOM:		m			
Rate UOM:		LPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962690			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		4.2			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962673			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		3			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962688			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		4.2			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962678			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		4.2			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962682			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		4.2			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962668			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		3.9			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pump Test Detail ID:</i>		1002962676			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		10			
<i>Test Level:</i>		4.2			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002962686			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		40			
<i>Test Level:</i>		4.2			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002962675			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		5			
<i>Test Level:</i>		3			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002962689			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		50			
<i>Test Level:</i>		3			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002962681			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		20			
<i>Test Level:</i>		3			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002962667			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		3.3			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002962669			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		3			
<i>Test Level UOM:</i>		m			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		1002962680			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		20			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:			4.2		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1002962670		
Test Type:			Draw Down		
Test Duration:			3		
Test Level:			3.9		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1002962684		
Test Type:			Draw Down		
Test Duration:			30		
Test Level:			4.2		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1002962674		
Test Type:			Draw Down		
Test Duration:			5		
Test Level:			3.9		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1002962679		
Test Type:			Recovery		
Test Duration:			15		
Test Level:			3		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1002962672		
Test Type:			Draw Down		
Test Duration:			4		
Test Level:			3.9		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1002962683		
Test Type:			Recovery		
Test Duration:			25		
Test Level:			3		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			1002962685		
Test Type:			Recovery		
Test Duration:			30		
Test Level:			3		
Test Level UOM:			m		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962687			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		3			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962677			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		3			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962666			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		3.6			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962691			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		3			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		1002962671			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		3			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		1002962663			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		14			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1002962661			
Diameter:		16.8			
Depth From:					
Depth To:		14.4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
39	1 of 1	ESE/153.1	181.6 / -4.21	lot 15 con 8 ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	4508153			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	9/27/1989
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2662
Casing Material:				Form Version:	1
Audit No:	25960			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/450\4508153.pdf

Bore Hole Information

Bore Hole ID:	10286880	Elevation:	181.212005
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708354
Code OB Desc:	Overburden	North83:	4881823
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	7/31/1989	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:	931920161
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	4
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931920162
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		84			
Mat2 Desc:		SILTY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		20			
Formation End Depth:		137			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920164			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		31			
Most Common Material:		COARSE GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		140			
Formation End Depth:		144			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920163			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		06			
Most Common Material:		SILT			
Mat2:		81			
Mat2 Desc:		SANDY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		137			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920160			
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:		4			
Formation End Depth UOM:		ft			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164466			
Layer:		2			
Plug From:		12			
Plug To:		16			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164467			
Layer:		3			
Plug From:		16			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164465			
Layer:		1			
Plug From:		0			
Plug To:		12			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964508153			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10835450			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930476422			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		144			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994508153			
Pump Set At:					
Static Level:		34			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Level After Pumping: 138					
Recommended Pump Depth: 140					
Pumping Rate: 6					
Flowing Rate:					
Recommended Pump Rate: 6					
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					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934778299					
Test Type: Draw Down					
Test Duration: 45					
Test Level: 138					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 935030466					
Test Type: Draw Down					
Test Duration: 60					
Test Level: 138					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934514255					
Test Type: Draw Down					
Test Duration: 30					
Test Level: 138					
Test Level UOM: ft					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID: 934240961					
Test Type: Draw Down					
Test Duration: 15					
Test Level: 138					
Test Level UOM: ft					
<u>Water Details</u>					
Water ID: 933757447					
Layer: 1					
Kind Code: 5					
Kind: Not stated					
Water Found Depth: 144					
Water Found Depth UOM: ft					
40	1 of 1	SSE/157.0	172.2 / -13.67	lot 16 con 7 ON	WWIS
Well ID: 1902133		Data Entry Status:			
Construction Date:		Data Src: 1			
Primary Water Use: Domestic		Date Received: 8/5/1964			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4713
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/190\1902133.pdf

Bore Hole Information

Bore Hole ID:	10071196	Elevation:	176.426071
DP2BR:	134	Elevrc:	
Spatial Status:		Zone:	17
Code OB:	r	East83:	708135.2
Code OB Desc:	Bedrock	North83:	4881396
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	5/14/1964	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:	931144181
Layer:	6
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	134
Formation End Depth:	135
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931144179
Layer:	4
Color:	
General Color:	
Mat1:	05

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:					
Mat2:			CLAY		
Mat2 Desc:			11		
Mat3:			GRAVEL		
Mat3 Desc:					
Formation Top Depth:			125		
Formation End Depth:			133		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931144177		
Layer:			2		
Color:					
General Color:					
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			12		
Mat2 Desc:			STONES		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			2		
Formation End Depth:			12		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931144180		
Layer:			5		
Color:					
General Color:					
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:			09		
Mat2 Desc:			MEDIUM SAND		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			133		
Formation End Depth:			134		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931144176		
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		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Formation ID: 931144178
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 12
Formation End Depth: 125
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961902133
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10619766
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930128662
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 134
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991902133
Pump Set At:
Static Level: 20
Final Level After Pumping: 120
Recommended Pump Depth: 120
Pumping Rate: 7
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: 1
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Water Details

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933512683			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		134			
Water Found Depth UOM:		ft			

41	1 of 1	ENE/163.0	190.1 / 4.25	WRIGHT CRES lot 15 con 8 GARDEN HILL ON	WWIS
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Well ID:	4514073	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	12/22/2004
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3367
Casing Material:		Form Version:	3
Audit No:	Z15234	Owner:	
Tag:	A015164	Street Name:	WRIGHT CRES
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	SUBLOT 17
Depth to Bedrock:		Lot:	015
Well Depth:		Concession:	08
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/451\4514073.pdf

Bore Hole Information

Bore Hole ID:	11176779	Elevation:	191.404953
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708188
Code OB Desc:	Overburden	North83:	4882333
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	3
Date Completed:	11/18/2004	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:	932981012
Layer:	5
Color:	6
General Color:	BROWN
Mat1:	31
Most Common Material:	COARSE GRAVEL
Mat2:	10
Mat2 Desc:	COARSE SAND

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		57			
Formation End Depth:		58			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932981010			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		66			
Mat2 Desc:		DENSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		29			
Formation End Depth:		51			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932981008			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0			
Formation End Depth:		6			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932981011			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		51			
Formation End Depth:		57			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		932981009			
Layer:		2			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Color:</i>		6			
<i>General Color:</i>		BROWN			
<i>Mat1:</i>		05			
<i>Most Common Material:</i>		CLAY			
<i>Mat2:</i>		28			
<i>Mat2 Desc:</i>		SAND			
<i>Mat3:</i>		79			
<i>Mat3 Desc:</i>		PACKED			
<i>Formation Top Depth:</i>		6			
<i>Formation End Depth:</i>		29			
<i>Formation End Depth UOM:</i>		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
<i>Plug ID:</i>		933258725			
<i>Layer:</i>		1			
<i>Plug From:</i>		0			
<i>Plug To:</i>		20			
<i>Plug Depth UOM:</i>		ft			
 <u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		964514073			
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>					
 <u>Pipe Information</u>					
<i>Pipe ID:</i>		11185298			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
 <u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930848919			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>		0			
<i>Depth To:</i>		58			
<i>Casing Diameter:</i>		6.25			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
 <u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		11192595			
<i>Pump Set At:</i>		54			
<i>Static Level:</i>		8			
<i>Final Level After Pumping:</i>		10			
<i>Recommended Pump Depth:</i>		45			
<i>Pumping Rate:</i>		10			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		8			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11298145				
Test Type:	Recovery				
Test Duration:	2				
Test Level:	8				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11298147				
Test Type:	Recovery				
Test Duration:	3				
Test Level:	8				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11298151				
Test Type:	Recovery				
Test Duration:	5				
Test Level:	8				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11298166				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	10				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11298162				
Test Type:	Draw Down				
Test Duration:	40				
Test Level:	10				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11298153				
Test Type:	Recovery				
Test Duration:	10				
Test Level:	8				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	11298154				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	10				
Test Level UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298157			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298158			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298150			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298165			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298149			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298152			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298164			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		11298146			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298156			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298155			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298143			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298148			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298144			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		10			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298167			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		8			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11298142			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		9			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11298160			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		10			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11298163			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		40			
<i>Test Level:</i>		8			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11298159			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		8			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11298161			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		8			
<i>Test Level UOM:</i>		ft			
<u>Water Details</u>					
<i>Water ID:</i>		934054592			
<i>Layer:</i>		1			
<i>Kind Code:</i>		1			
<i>Kind:</i>		FRESH			
<i>Water Found Depth:</i>		58			
<i>Water Found Depth UOM:</i>		ft			
<u>Hole Diameter</u>					
<i>Hole ID:</i>		11310733			
<i>Diameter:</i>		8			
<i>Depth From:</i>		0			
<i>Depth To:</i>		20			
<i>Hole Depth UOM:</i>		ft			
<i>Hole Diameter UOM:</i>		inch			
<u>Hole Diameter</u>					
<i>Hole ID:</i>		11310734			
<i>Diameter:</i>		6.25			
<i>Depth From:</i>		0			
<i>Depth To:</i>		58			
<i>Hole Depth UOM:</i>		ft			
<i>Hole Diameter UOM:</i>		inch			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB																																																																																
42	1 of 1	SSE/165.0	176.8 / -9.00	lot 16 con 7 ON	WWIS																																																																																
<table border="0"> <tr> <td>Well ID:</td> <td>4510271</td> <td>Data Entry Status:</td> <td></td> </tr> <tr> <td>Construction Date:</td> <td></td> <td>Data Src:</td> <td>1</td> </tr> <tr> <td>Primary Water Use:</td> <td>Domestic</td> <td>Date Received:</td> <td>6/30/1994</td> </tr> <tr> <td>Sec. Water Use:</td> <td></td> <td>Selected Flag:</td> <td>Yes</td> </tr> <tr> <td>Final Well Status:</td> <td>Water Supply</td> <td>Abandonment Rec:</td> <td></td> </tr> <tr> <td>Water Type:</td> <td></td> <td>Contractor:</td> <td>2104</td> </tr> <tr> <td>Casing Material:</td> <td></td> <td>Form Version:</td> <td>1</td> </tr> <tr> <td>Audit No:</td> <td>144364</td> <td>Owner:</td> <td></td> </tr> <tr> <td>Tag:</td> <td></td> <td>Street Name:</td> <td></td> </tr> <tr> <td>Construction Method:</td> <td></td> <td>County:</td> <td>NORTHUMBERLAND</td> </tr> <tr> <td>Elevation (m):</td> <td></td> <td>Municipality:</td> <td>HOPE TOWNSHIP</td> </tr> <tr> <td>Elevation Reliability:</td> <td></td> <td>Site Info:</td> <td></td> </tr> <tr> <td>Depth to Bedrock:</td> <td></td> <td>Lot:</td> <td>016</td> </tr> <tr> <td>Well Depth:</td> <td></td> <td>Concession:</td> <td>07</td> </tr> <tr> <td>Overburden/Bedrock:</td> <td></td> <td>Concession Name:</td> <td>CON</td> </tr> <tr> <td>Pump Rate:</td> <td></td> <td>Easting NAD83:</td> <td></td> </tr> <tr> <td>Static Water Level:</td> <td></td> <td>Northing NAD83:</td> <td></td> </tr> <tr> <td>Flowing (Y/N):</td> <td></td> <td>Zone:</td> <td></td> </tr> <tr> <td>Flow Rate:</td> <td></td> <td>UTM Reliability:</td> <td></td> </tr> <tr> <td>Clear/Cloudy:</td> <td></td> <td></td> <td></td> </tr> </table>						Well ID:	4510271	Data Entry Status:		Construction Date:		Data Src:	1	Primary Water Use:	Domestic	Date Received:	6/30/1994	Sec. Water Use:		Selected Flag:	Yes	Final Well Status:	Water Supply	Abandonment Rec:		Water Type:		Contractor:	2104	Casing Material:		Form Version:	1	Audit No:	144364	Owner:		Tag:		Street Name:		Construction Method:		County:	NORTHUMBERLAND	Elevation (m):		Municipality:	HOPE TOWNSHIP	Elevation Reliability:		Site Info:		Depth to Bedrock:		Lot:	016	Well Depth:		Concession:	07	Overburden/Bedrock:		Concession Name:	CON	Pump Rate:		Easting NAD83:		Static Water Level:		Northing NAD83:		Flowing (Y/N):		Zone:		Flow Rate:		UTM Reliability:		Clear/Cloudy:			
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PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/451\4510271.pdf																																																																																			
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931929336			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		45			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931929334			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		2			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931929333			
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:		2			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964510271			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10837563			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Casing No:	1				
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:	930478793				
Layer:	1				
Material:	1				
Open Hole or Material:	STEEL				
Depth From:					
Depth To:	44				
Casing Diameter:	6				
Casing Diameter UOM:	inch				
Casing Depth UOM:	ft				
<u>Construction Record - Screen</u>					
Screen ID:	933354532				
Layer:	1				
Slot:	012				
Screen Top Depth:	40				
Screen End Depth:	48				
Screen Material:					
Screen Depth UOM:	ft				
Screen Diameter UOM:	inch				
Screen Diameter:	6				
<u>Results of Well Yield Testing</u>					
Pump Test ID:	994510271				
Pump Set At:					
Static Level:	24				
Final Level After Pumping:	42				
Recommended Pump Depth:	44				
Pumping Rate:	7				
Flowing Rate:					
Recommended Pump Rate:	6				
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:	30				
Flowing:	No				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934520253				
Test Type:	Draw Down				
Test Duration:	30				
Test Level:	42				
Test Level UOM:	ft				
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:	935036160				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	42				
Test Level UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Draw Down & Recovery

Pump Test Detail ID: 934776201
Test Type: Draw Down
Test Duration: 45
Test Level: 42
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934238766
Test Type: Draw Down
Test Duration: 15
Test Level: 42
Test Level UOM: ft

Water Details

Water ID: 933759667
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 50
Water Found Depth UOM: ft

Water Details

Water ID: 933759666
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 45
Water Found Depth UOM: ft

43	1 of 1	ESE/171.5	181.8 / -4.00	lot 15 con 8 ON	WWIS
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Well ID: 4508152	Data Entry Status:
Construction Date:	Data Src: 1
Primary Water Use: Domestic	Date Received: 9/27/1989
Sec. Water Use:	Selected Flag: Yes
Final Well Status: Water Supply	Abandonment Rec:
Water Type:	Contractor: 2662
Casing Material:	Form Version: 1
Audit No: 25957	Owner:
Tag:	Street Name:
Construction Method:	County: NORTHUMBERLAND
Elevation (m):	Municipality: HOPE TOWNSHIP
Elevation Reliability:	Site Info:
Depth to Bedrock:	Lot: 015
Well Depth:	Concession: 08
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/450\4508152.pdf

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

Bore Hole ID:	10286879	Elevation:	181.893554
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708370
Code OB Desc:	Overburden	North83:	4881833
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	7/24/1989	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:	931920159
Layer:	6
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Mat2 Desc:	SAND
Mat3:	
Mat3 Desc:	
Formation Top Depth:	149
Formation End Depth:	154
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931920156
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	20
Formation End Depth:	42
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931920155
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	81
Mat2 Desc:	SANDY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920157			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		84			
Mat2 Desc:		SILTY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		42			
Formation End Depth:		77			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920158			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		77			
Formation End Depth:		149			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931920154			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		81			
Mat2 Desc:		SANDY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933164464			
Layer:		3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From:		16			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164463			
Layer:		2			
Plug From:		14			
Plug To:		16			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164462			
Layer:		1			
Plug From:		0			
Plug To:		14			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964508152			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10835449			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930476421			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		154			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994508152			
Pump Set At:					
Static Level:		35			
Final Level After Pumping:		147			
Recommended Pump Depth:		150			
Pumping Rate:		4			
Flowing Rate:					
Recommended Pump Rate:		4			
Levels UOM:		ft			
Rate UOM:		GPM			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Water State After Test Code:</i>	2				
<i>Water State After Test:</i>		CLOUDY			
<i>Pumping Test Method:</i>	2				
<i>Pumping Duration HR:</i>	2				
<i>Pumping Duration MIN:</i>	0				
<i>Flowing:</i>	No				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	934240960				
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>	15				
<i>Test Level:</i>	147				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	935030465				
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>	60				
<i>Test Level:</i>	147				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	934514254				
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>	30				
<i>Test Level:</i>	147				
<i>Test Level UOM:</i>	ft				
 <u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>	934778298				
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>	45				
<i>Test Level:</i>	147				
<i>Test Level UOM:</i>	ft				
 <u>Water Details</u>					
<i>Water ID:</i>	933757446				
<i>Layer:</i>	1				
<i>Kind Code:</i>	5				
<i>Kind:</i>	Not stated				
<i>Water Found Depth:</i>	154				
<i>Water Found Depth UOM:</i>	ft				

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1 of 1

SSE/171.8

173.6 / -12.25

lot 16 con 7
ON

WWIS

Well ID: 1902132
Construction Date:
Primary Water Use: Domestic
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Construction Method:

Data Entry Status:
Data Src: 1
Date Received: 10/7/1963
Selected Flag: Yes
Abandonment Rec:
Contractor: 4713
Form Version: 1
Owner:
Street Name:
County: NORTHUMBERLAND

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/190\1902132.pdf

Bore Hole Information

Bore Hole ID:	10071195	Elevation:	176.147979
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708105.2
Code OB Desc:	Overburden	North83:	4881370
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	7/4/1963	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:	931144173
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:	931144175
Layer:	3
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	101
Formation End Depth:	102

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931144174			
Layer:		2			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		101			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902132			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619765			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128661			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		102			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902132			
Pump Set At:					
Static Level:					
Final Level After Pumping:		50			
Recommended Pump Depth:		20			
Pumping Rate:		15			
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:		1			
Pumping Duration HR:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pumping Duration MIN:		0			
Flowing:		Yes			
<u>Water Details</u>					
Water ID:		933512682			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		102			
Water Found Depth UOM:		ft			

45	1 of 1	NNE/179.7	193.8 / 8.00	lot 15 con 8 ON	WWIS
Well ID:		4513522		Data Entry Status:	
Construction Date:				Data Src:	
Primary Water Use:		Domestic		Date Received: 8/8/2003	
Sec. Water Use:				Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 4635	
Casing Material:				Form Version: 1	
Audit No:		250970		Owner:	
Tag:				Street Name:	
Construction Method:				County: NORTHUMBERLAND	
Elevation (m):				Municipality: HOPE TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 015	
Well Depth:				Concession: 08	
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/451\4513522.pdf

Bore Hole Information

Bore Hole ID:		10546171		Elevation: 193.407516	
DP2BR:				Elevrc:	
Spatial Status:				Zone: 17	
Code OB:		0		East83: 708097.3	
Code OB Desc:		Overburden		North83: 4882640	
Open Hole:				Org CS:	
Cluster Kind:				UTMRC: 9	
Date Completed:		3/28/2003		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:		932933630	
Layer:		1	
Color:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932933631			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		08			
Most Common Material:		FINE SAND			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1			
Formation End Depth:		8			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932933633			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		31			
Most Common Material:		COARSE GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		31			
Formation End Depth:		42			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932933632			
Layer:		3			
Color:		1			
General Color:		WHITE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		13			
Mat2 Desc:		BOULDERS			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		8			
Formation End Depth:		31			
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933243325			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964513522			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11094741			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930482897			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994513522			
Pump Set At:					
Static Level:		12			
Final Level After Pumping:		36			
Recommended Pump Depth:		38			
Pumping Rate:		8			
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:		2			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934778026			
Test Type:					
Test Duration:		45			
Test Level:		12			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935037976			
Test Type:					
Test Duration:		60			
Test Level:		12			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934522513			
Test Type:					
Test Duration:		30			
Test Level:		12			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934249277			
Test Type:					
Test Duration:		15			
Test Level:		36			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934040153			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		42			
Water Found Depth UOM:		ft			

46	1 of 3	NNE/180.8	193.8 / 8.00	lot 15 con 8 ON	WWIS
Well ID:	4513276			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/13/2003
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	7115
Casing Material:				Form Version:	1
Audit No:	243415			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/451\4513276.pdf

Bore Hole Information

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bore Hole ID:	10540160			Elevation:	193.417724
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:	o			East83:	708098
Code OB Desc:	Overburden			North83:	4882641
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	7
Date Completed:	12/14/2002			UTMRC Desc:	margin of error : 1 km - 3 km
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:	932914187
Layer:	1
Color:	6
General Color:	BROWN
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:	932914188
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	73
Mat2 Desc:	HARD
Mat3:	
Mat3 Desc:	
Formation Top Depth:	2
Formation End Depth:	35
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	932914189
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	10
Most Common Material:	COARSE SAND
Mat2:	73
Mat2 Desc:	HARD
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		35			
Formation End Depth:		40			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933238334			
Layer:		1			
Plug From:		0			
Plug To:		10			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964513276			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11088730			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930482590			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		40			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930482589			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		36			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933405070			
Layer:		1			
Slot:		035			
Screen Top Depth:		34			
Screen End Depth:		41			
Screen Material:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994513276			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		28			
Recommended Pump Depth:		38			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		8			
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934248118			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		28			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934777426			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		28			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935037375			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		28			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934521494			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		28			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934033961			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth:		40			
Water Found Depth UOM:		ft			

46	2 of 3	NNE/180.8	193.8 / 8.00	lot 15 con 8 ON	WWIS
Well ID:	4513307			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	1/16/2003
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4635
Casing Material:				Form Version:	1
Audit No:	250938			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/451\4513307.pdf

Bore Hole Information

Bore Hole ID:	10540191	Elevation:	193.417724
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708098
Code OB Desc:	Overburden	North83:	4882641
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	7
Date Completed:	8/1/2002	UTMRC Desc:	margin of error : 1 km - 3 km
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:	932914321
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Overburden and Bedrock
Materials Interval**

Formation ID: 932914323
Layer: 4
Color: 1
General Color: WHITE
Mat1: 11
Most Common Material: GRAVEL
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 117
Formation End Depth: 120
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932914322
Layer: 3
Color: 1
General Color: WHITE
Mat1: 05
Most Common Material: CLAY
Mat2: 11
Mat2 Desc: GRAVEL
Mat3:
Mat3 Desc:
Formation Top Depth: 15
Formation End Depth: 117
Formation End Depth UOM: ft

**Overburden and Bedrock
Materials Interval**

Formation ID: 932914320
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: 933238366
Layer: 1
Plug From: 0
Plug To: 20
Plug Depth UOM: ft

Method of Construction & Well

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Use</u>					
<i>Method Construction ID:</i>		964513307			
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		11088761			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930482626			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>					
<i>Depth To:</i>		120			
<i>Casing Diameter:</i>		6			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		994513307			
<i>Pump Set At:</i>					
<i>Static Level:</i>		0			
<i>Final Level After Pumping:</i>		43			
<i>Recommended Pump Depth:</i>		100			
<i>Pumping Rate:</i>		8			
<i>Flowing Rate:</i>					
<i>Recommended Pump Rate:</i>		5			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		2			
<i>Pumping Duration HR:</i>		2			
<i>Pumping Duration MIN:</i>		0			
<i>Flowing:</i>		No			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934777456			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		45			
<i>Test Level:</i>		0			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		934248147			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		15			
<i>Test Level:</i>		0			
<i>Test Level UOM:</i>		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935037405			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934521524			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		0			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934033993			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		120			
Water Found Depth UOM:		ft			
46	3 of 3	NNE/180.8	193.8 / 8.00	lot 15 con 8 ON	WWIS
Well ID:	4513337			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	2/7/2003
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1455
Casing Material:				Form Version:	1
Audit No:	234543			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/451\4513337.pdf				
<u>Bore Hole Information</u>					
Bore Hole ID:	10540220			Elevation:	193.417724
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:	o			East83:	708098
Code OB Desc:	Overburden			North83:	4882641
Open Hole:				Org CS:	
Cluster Kind:				UTMRC:	7
Date Completed:	3/26/2002			UTMRC Desc:	margin of error : 1 km - 3 km
Remarks:				Location Method:	lot

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Elevrc Desc:</i>					
<i>Location Source Date:</i>					
<i>Improvement Location Source:</i>					
<i>Improvement Location Method:</i>					
<i>Source Revision Comment:</i>					
<i>Supplier Comment:</i>					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>		932914445			
<i>Layer:</i>		3			
<i>Color:</i>		2			
<i>General Color:</i>		GREY			
<i>Mat1:</i>		05			
<i>Most Common Material:</i>		CLAY			
<i>Mat2:</i>					
<i>Mat2 Desc:</i>					
<i>Mat3:</i>					
<i>Mat3 Desc:</i>					
<i>Formation Top Depth:</i>		24			
<i>Formation End Depth:</i>		100			
<i>Formation End Depth UOM:</i>		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>		932914447			
<i>Layer:</i>		5			
<i>Color:</i>					
<i>General Color:</i>					
<i>Mat1:</i>		28			
<i>Most Common Material:</i>		SAND			
<i>Mat2:</i>		11			
<i>Mat2 Desc:</i>		GRAVEL			
<i>Mat3:</i>					
<i>Mat3 Desc:</i>					
<i>Formation Top Depth:</i>		140			
<i>Formation End Depth:</i>		147			
<i>Formation End Depth UOM:</i>		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>		932914443			
<i>Layer:</i>		1			
<i>Color:</i>					
<i>General Color:</i>					
<i>Mat1:</i>		02			
<i>Most Common Material:</i>		TOPSOIL			
<i>Mat2:</i>					
<i>Mat2 Desc:</i>					
<i>Mat3:</i>					
<i>Mat3 Desc:</i>					
<i>Formation Top Depth:</i>		0			
<i>Formation End Depth:</i>		1			
<i>Formation End Depth UOM:</i>		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
<i>Formation ID:</i>		932914446			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		100			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932914444			
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:		24			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964513337			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11088790			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930482659			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		147			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994513337			
Pump Set At:					
Static Level:		40			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Final Level After Pumping: 120
Recommended Pump Depth: 135
Pumping Rate: 10
Flowing Rate:
Recommended Pump Rate: 10
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934521962
Test Type: Recovery
Test Duration: 30
Test Level: 70
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934248168
Test Type: Recovery
Test Duration: 15
Test Level: 90
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934777477
Test Type: Recovery
Test Duration: 45
Test Level: 60
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 935037427
Test Type: Recovery
Test Duration: 60
Test Level: 50
Test Level UOM: ft

Water Details

Water ID: 934034019
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 147
Water Found Depth UOM: ft

47	1 of 1	NNE/181.8	193.8 / 8.00	lot 15 con 8 ON	WWIS
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Well ID:	4509729	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	7/6/1992

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2662
Casing Material:				Form Version:	1
Audit No:	103591			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/450\4509729.pdf

Bore Hole Information

Bore Hole ID:	10288451	Elevation:	193.476867
DP2BR:	148	Elevrc:	
Spatial Status:		Zone:	17
Code OB:	r	East83:	708100.2
Code OB Desc:	Bedrock	North83:	4882639
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	2/3/1992	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:	931926794
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	08
Most Common Material:	FINE SAND
Mat2:	06
Mat2 Desc:	SILT
Mat3:	77
Mat3 Desc:	LOOSE
Formation Top Depth:	1
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931926795
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:					
Mat2:		CLAY			
Mat2 Desc:		85			
Mat3:		SOFT			
Mat3 Desc:					
Formation Top Depth:		8			
Formation End Depth:		130			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931926796			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		73			
Mat3 Desc:		HARD			
Formation Top Depth:		130			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931926793			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931926798			
Layer:		6			
Color:		6			
General Color:		BROWN			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931926797			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		08			
Mat2 Desc:		FINE SAND			
Mat3:		06			
Mat3 Desc:		SILT			
Formation Top Depth:		140			
Formation End Depth:		148			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933165342			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964509729			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10837021			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930478180			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		144			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933354405			
Layer:		1			
Slot:		012			
Screen Top Depth:		144			
Screen End Depth:		148			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994509729			
Pump Set At:					
Static Level:		25			
Final Level After Pumping:		104			
Recommended Pump Depth:		135			
Pumping Rate:		3			
Flowing Rate:					
Recommended Pump Rate:		2			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		50			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935025553			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		104			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934236641			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		104			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934518548			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		104			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934774504			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		104			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933759102			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		144			
Water Found Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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48	1 of 1	ESE/183.2	172.2 / -13.65	lot 15 con 7 ON	WWIS
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Well ID:	1902126	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	11/24/1958
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2306
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	015
Well Depth:		Concession:	07
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/190\1902126.pdf

Bore Hole Information

Bore Hole ID:	10071189	Elevation:	171.980255
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708449.2
Code OB Desc:	Overburden	North83:	4881616
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	9/15/1958	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:	931144151
Layer:	2
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	23
Formation End Depth:	83
Formation End Depth UOM:	ft

Overburden and Bedrock

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:			931144153		
Layer:			4		
Color:					
General Color:					
Mat1:			05		
Most Common Material:			CLAY		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			138		
Formation End Depth:			141		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931144152		
Layer:			3		
Color:					
General Color:					
Mat1:			09		
Most Common Material:			MEDIUM SAND		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			83		
Formation End Depth:			138		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931144150		
Layer:			1		
Color:					
General Color:					
Mat1:			23		
Most Common Material:			PREVIOUSLY DUG		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			0		
Formation End Depth:			23		
Formation End Depth UOM:			ft		
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:			961902126		
Method Construction Code:			1		
Method Construction:			Cable Tool		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:			10619759		
Casing No:			1		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930128653
 Layer: 1
 Material: 1
 Open Hole or Material: STEEL
 Depth From:
 Depth To: 141
 Casing Diameter: 6
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991902126
 Pump Set At:
 Static Level: 60
 Final Level After Pumping: 100
 Recommended Pump Depth:
 Pumping Rate: 1
 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: 45
 Flowing: No

Water Details

Water ID: 933512676
 Layer: 1
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 141
 Water Found Depth UOM: ft

49	1 of 1	ESE/187.7	183.6 / -2.28	lot 15 con 8 ON	WWIS
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Well ID: 4507697	Data Entry Status:
Construction Date:	Data Src: 1
Primary Water Use: Domestic	Date Received: 2/17/1989
Sec. Water Use:	Selected Flag: Yes
Final Well Status: Water Supply	Abandonment Rec:
Water Type:	Contractor: 2662
Casing Material:	Form Version: 1
Audit No: 45820	Owner:
Tag:	Street Name:
Construction Method:	County: NORTHUMBERLAND
Elevation (m):	Municipality: HOPE TOWNSHIP
Elevation Reliability:	Site Info:
Depth to Bedrock:	Lot: 015
Well Depth:	Concession: 08
Overburden/Bedrock:	Concession Name: CON
Pump Rate:	Easting NAD83:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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/450\4507697.pdf

Bore Hole Information

Bore Hole ID:	10286425	Elevation:	182.178085
DP2BR:	143	Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	r	East83:	708365
Code OB Desc:	Bedrock	North83:	4881897
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	1/3/1989	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:	931918327
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:	16
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931918332
Layer:	6
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	95
Formation End Depth:	124
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931918328			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		16			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931918335			
Layer:		9			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		141			
Formation End Depth:		143			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931918329			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		50			
Formation End Depth:		70			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931918330			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		70			
Formation End Depth:		87			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931918334			
Layer:		8			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		129			
Formation End Depth:		141			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931918331			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		87			
Formation End Depth:		95			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931918333			
Layer:		7			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		124			
Formation End Depth:		129			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931918336			
Layer:		10			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		143			
Formation End Depth:		144			
Formation End Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164301			
Layer:		2			
Plug From:		10			
Plug To:		18			
Plug Depth UOM:		ft			
 <u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164300			
Layer:		1			
Plug From:		0			
Plug To:		10			
Plug Depth UOM:		ft			
 <u>Method of Construction & Well Use</u>					
Method Construction ID:		964507697			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
 <u>Pipe Information</u>					
Pipe ID:		10834995			
Casing No:		1			
Comment:					
Alt Name:					
 <u>Construction Record - Casing</u>					
Casing ID:		930475925			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		143			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
 <u>Results of Well Yield Testing</u>					
Pump Test ID:		994507697			
Pump Set At:					
Static Level:		13			
Final Level After Pumping:		23			
Recommended Pump Depth:		140			
Pumping Rate:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:	1				
Pumping Duration HR:	3				
Pumping Duration MIN:	30				
Flowing:	No				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	935028845				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	29				
Test Level UOM:	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934776679				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	28				
Test Level UOM:	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934239754				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	13				
Test Level UOM:	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:	934513046				
Test Type:	Draw Down				
Test Duration:	30				
Test Level:	26				
Test Level UOM:	ft				
 <u>Water Details</u>					
Water ID:	933756990				
Layer:	1				
Kind Code:	5				
Kind:	Not stated				
Water Found Depth:	143				
Water Found Depth UOM:	ft				

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1 of 1

SSE/193.0

175.8 / -10.04

lot 16 con 7
ON

WWIS

Well ID: 4507693
Construction Date:
Primary Water Use: Domestic
Sec. Water Use:
Final Well Status: Water Supply
Water Type:

Data Entry Status:
Data Src: 1
Date Received: 2/3/1989
Selected Flag: Yes
Abandonment Rec:
Contractor: 4635

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Material:				Form Version:	1
Audit No:	36152			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/450\4507693.pdf

Bore Hole Information

Bore Hole ID:	10286421	Elevation:	176.806533
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708055
Code OB Desc:	Overburden	North83:	4881342
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	10/31/1988	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. Well is approximately in the right area.no measurement but road structure matches		
Supplier Comment:	Determined to be an improvement rather than a Lot Centroid in December 2009.		

**Overburden and Bedrock
Materials Interval**

Formation ID:	931918305
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:	931918308
Layer:	4
Color:	1
General Color:	WHITE
Mat1:	05
Most Common Material:	CLAY
Mat2:	11

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:	35				
Formation End Depth:	74				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931918309				
Layer:	5				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:	06				
Mat2 Desc:	SILT				
Mat3:					
Mat3 Desc:					
Formation Top Depth:	74				
Formation End Depth:	88				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931918310				
Layer:	6				
Color:	6				
General Color:	BROWN				
Mat1:	28				
Most Common Material:	SAND				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	88				
Formation End Depth:	90				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931918307				
Layer:	3				
Color:	2				
General Color:	GREY				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:	20				
Formation End Depth:	35				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931918306				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933164295			
Layer:		1			
Plug From:		0			
Plug To:		10			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964507693			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10834991			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930475921			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		87			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933354007			
Layer:		1			
Slot:		010			
Screen Top Depth:		87			
Screen End Depth:		94			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Results of Well Yield Testing

Pump Test ID: 994507693
Pump Set At:
Static Level: 65
Final Level After Pumping: 5
Recommended Pump Depth: 88
Pumping Rate: 6
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: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933756986
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90
Water Found Depth UOM: ft

51	1 of 1	SSE/195.4	170.8 / -15.00	8175 WOODLAND AVE lot 4 con 8 GARDEN HILL ON	WWIS
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Well ID: 4514511 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z29613 Tag: A027705 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: 2/7/2006 Selected Flag: Yes Abandonment Rec: Contractor: 7099 Form Version: 3 Owner: Street Name: 8175 WOODLAND AVE County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 004 Concession: 08 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/4514514511.pdf

Bore Hole Information

Bore Hole ID: 11554645 DP2BR: Spatial Status: Code OB: o Code OB Desc: Overburden Open Hole: Cluster Kind:	Elevation: 171.060012 Elevrc: Zone: 17 East83: 708146 North83: 4881359 Org CS: UTM83 UTMRC: 3
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Date Completed:	1/3/2006			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: 933045888
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 77
Mat3 Desc: LOOSE
Formation Top Depth: 0
Formation End Depth: 4.8
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 933045891
Layer: 4
Color: 2
General Color: GREY
Mat1: 08
Most Common Material: FINE SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 22.5
Formation End Depth: 30.3
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 933045893
Layer: 6
Color: 2
General Color: GREY
Mat1: 08
Most Common Material: FINE SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3: 74
Mat3 Desc: LAYERED
Formation Top Depth: 31.5
Formation End Depth: 42
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		933046119			
Layer:		7			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		08			
Mat2 Desc:		FINE SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		42			
Formation End Depth:		44.4			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933045892			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		88			
Mat2 Desc:		THICK			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		30.3			
Formation End Depth:		31.5			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933045889			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		08			
Most Common Material:		FINE SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		74			
Mat3 Desc:		LAYERED			
Formation Top Depth:		4.8			
Formation End Depth:		15			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933045890			
Layer:		3			
Color:		3			
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:		22.5			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933288868			
Layer:		1			
Plug From:		0			
Plug To:		6			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964514511			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11564252			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930874994			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		44.4			
Casing Diameter:		15.24			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11572253			
Pump Set At:		41.4			
Static Level:		6.9			
Final Level After Pumping:		40.5			
Recommended Pump Depth:		41.4			
Pumping Rate:		17.6			
Flowing Rate:					
Recommended Pump Rate:		17.6			
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:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589502			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Recovery			
Test Duration:		25			
Test Level:		32.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589503			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		35.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589221			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		37.1			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589223			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		35.6			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589212			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		8.7			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589213			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		39.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589218			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		11.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589506			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		28.8			
Test Level UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11589211		
Test Type:			Recovery		
Test Duration:			1		
Test Level:			40.1		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11589508		
Test Type:			Recovery		
Test Duration:			50		
Test Level:			26.4		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11589510		
Test Type:			Recovery		
Test Duration:			60		
Test Level:			24		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11589505		
Test Type:			Draw Down		
Test Duration:			40		
Test Level:			39		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11589499		
Test Type:			Draw Down		
Test Duration:			20		
Test Level:			24.9		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11589500		
Test Type:			Recovery		
Test Duration:			20		
Test Level:			34.2		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11589509		
Test Type:			Draw Down		
Test Duration:			60		
Test Level:			40.5		
Test Level UOM:			m		
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		11589507			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		40.5			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589215			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		39.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589220			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		15.9			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589217			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		39.1			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589222			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		20.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589501			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		29.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589504			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		31.4			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589210			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		7.8			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589216			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		10.5			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589219			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		38.8			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11589214			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		9.6			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934072972			
Layer:		1			
Kind Code:					
Kind:					
Water Found Depth:		42			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		11686100			
Diameter:		20			
Depth From:		0			
Depth To:		6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
<u>Hole Diameter</u>					
Hole ID:		11686099			
Diameter:		16.5			
Depth From:		6			
Depth To:		44.4			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

52	1 of 1	NW/207.2	183.9 / -1.91	lot 17 con 8 ON	WWIS
Well ID:	4511443			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	5/5/1998
Sec. Water Use:				Selected Flag:	Yes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	6874
Casing Material:				Form Version:	1
Audit No:	187674			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	017
Well Depth:				Concession:	08
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/451\4511443.pdf

Bore Hole Information

Bore Hole ID:	10290160	Elevation:	184.181076
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	—	East83:	707392
Code OB Desc:	No formation data	North83:	4882587
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	4/29/1998	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.		

Method of Construction & Well Use

Method Construction ID:	964511443
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10838730
Casing No:	1
Comment:	
Alt Name:	

53	1 of 2	WNW/215.1	187.6 / 1.73	lot 17 con 8 ON	WWIS
Well ID:	4509875	Data Entry Status:			
Construction Date:		Data Src:	1		
Primary Water Use:	Domestic	Date Received:	11/5/1992		
Sec. Water Use:		Selected Flag:	Yes		
Final Well Status:	Water Supply	Abandonment Rec:			
Water Type:		Contractor:	4635		
Casing Material:		Form Version:	1		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Audit No:	111130			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	017
Well Depth:				Concession:	08
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/450\4509875.pdf				

Bore Hole Information

Bore Hole ID:	10288597	Elevation:	186.509811
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	707313.2
Code OB Desc:	Overburden	North83:	4882343
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	4/27/1992	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:	931927436
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	
Mat3 Desc:	
Formation Top Depth:	110
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931927434
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	05
Mat2 Desc:	CLAY
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:			2		
Formation End Depth:			15		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931927437		
Layer:			5		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			120		
Formation End Depth:			127		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931927433		
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		
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:			931927435		
Layer:			3		
Color:			1		
General Color:			WHITE		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			11		
Mat2 Desc:			GRAVEL		
Mat3:			28		
Mat3 Desc:			SAND		
Formation Top Depth:			15		
Formation End Depth:			110		
Formation End Depth UOM:			ft		
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:			933165430		
Layer:			1		
Plug From:			0		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:		10			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964509875			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10837167			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930478344			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		121			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933354432			
Layer:		1			
Slot:		010			
Screen Top Depth:		117			
Screen End Depth:		127			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		5			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994509875			
Pump Set At:					
Static Level:		75			
Final Level After Pumping:		122			
Recommended Pump Depth:		126			
Pumping Rate:		8			
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:		2			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		No			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Water Details</u>					
Water ID:		933759260			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		127			
Water Found Depth UOM:		ft			

53	2 of 2	WNW/215.1	187.6 / 1.73	lot 17 con 8 ON	WWIS
Well ID:	4509876			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	11/5/1992
Sec. Water Use:	Not Used			Selected Flag:	Yes
Final Well Status:	Abandoned-Supply			Abandonment Rec:	
Water Type:				Contractor:	4635
Casing Material:				Form Version:	1
Audit No:	111129			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	017
Well Depth:				Concession:	08
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/450\4509876.pdf

Bore Hole Information

Bore Hole ID:	10288598	Elevation:	186.509811
DP2BR:	140	Elevrc:	
Spatial Status:		Zone:	17
Code OB:	r	East83:	707313.2
Code OB Desc:	Bedrock	North83:	4882343
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	9
Date Completed:	9/20/1992	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:	931927441
Layer:	4
Color:	2
General Color:	GREY
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	78

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2 Desc:		MEDIUM-GRAINED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		140			
Formation End Depth:		145			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931927440			
Layer:		3			
Color:		1			
General Color:		WHITE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		15			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931927438			
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			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931927439			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		15			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933165431			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:	1				
Plug From:	0				
Plug To:	145				
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	964509876				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10837168				
Casing No:	1				
Comment:					
Alt Name:					
<u>Water Details</u>					
Water ID:	933759261				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:					
Water Found Depth UOM:	ft				

54	1 of 1	SSW/219.4	172.8 / -13.00	lot 17 con 8 ON	WWIS
Well ID:	1902721			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	9/16/1969
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1904
Casing Material:				Form Version:	1
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	017
Well Depth:				Concession:	08
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/190\1902721.pdf

Bore Hole Information

Bore Hole ID:	10071776	Elevation:	175.713058
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	707715.2
Code OB Desc:	Overburden	North83:	4881543

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Open Hole: Cluster Kind: Date Completed: 8/4/1969 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:				Org CS: UTMRC: 4 UTMRC Desc: margin of error : 30 m - 100 m Location Method: p4	
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931146524			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		25			
Formation End Depth:		143			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931146523			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		2			
Formation End Depth:		25			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931146522			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931146525			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		143			
Formation End Depth:		145			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902721			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10620346			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930129302			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		145			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902721			
Pump Set At:					
Static Level:		38			
Final Level After Pumping:		60			
Recommended Pump Depth:		100			
Pumping Rate:		30			
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:		2			
Pumping Duration HR:		4			
Pumping Duration MIN:		30			
Flowing:		No			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934670941			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		60			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934127471			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		60			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934409992			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		60			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934919917			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		60			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933513284			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		143			
Water Found Depth UOM:		ft			

[55](#) 1 of 1 **WNW/228.3** **186.2 / 0.34** **lot 17 con 8** **ON** **WWIS**

Well ID:	1902176	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Livestock	Date Received:	9/21/1965
Sec. Water Use:	Domestic	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1904
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	017
Well Depth:		Concession:	08
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Static Water Level:
Flowing (Y/N):
Flow Rate:
Clear/Cloudy:

Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/190\1902176.pdf

Bore Hole Information

Bore Hole ID:	10071239	Elevation:	189.077926
DP2BR:	150	Elevrc:	
Spatial Status:		Zone:	17
Code OB:	r	East83:	707312.2
Code OB Desc:	Bedrock	North83:	4882526
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	8/13/1965	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:	931144331
Layer:	3
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	35
Formation End Depth:	120
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931144332
Layer:	4
Color:	
General Color:	
Mat1:	09
Most Common Material:	MEDIUM SAND
Mat2:	11
Mat2 Desc:	GRAVEL
Mat3:	
Mat3 Desc:	
Formation Top Depth:	120
Formation End Depth:	139
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		931144334			
Layer:		6			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		150			
Formation End Depth:		165			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931144329			
Layer:		1			
Color:					
General Color:					
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		3			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931144333			
Layer:		5			
Color:					
General Color:					
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		139			
Formation End Depth:		150			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931144330			
Layer:		2			
Color:					
General Color:					
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		09			
Mat2 Desc:		MEDIUM SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		3			
Formation End Depth:		35			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		961902176			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10619809			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930128708			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		150			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		933328935			
Layer:		1			
Slot:		020			
Screen Top Depth:		150			
Screen End Depth:		162			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991902176			
Pump Set At:					
Static Level:					
Final Level After Pumping:		20			
Recommended Pump Depth:		30			
Pumping Rate:		50			
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:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		Yes			
<u>Water Details</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water ID:		933512724			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		139			
Water Found Depth UOM:		ft			

56	1 of 1	E/259.1	186.9 / 1.05	8188 WOODLAND AVE. lot 15 con 7 GARDEN HILL ON	WWIS
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Well ID:	4514283	Data Entry Status:	
Construction Date:		Data Src:	
Primary Water Use:	Domestic	Date Received:	7/8/2005
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3367
Casing Material:		Form Version:	3
Audit No:	Z24814	Owner:	
Tag:	A027357	Street Name:	8188 WOODLAND AVE.
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	SUB LOT 28
Depth to Bedrock:		Lot:	015
Well Depth:		Concession:	07
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/451\4514283.pdf

Bore Hole Information

Bore Hole ID:	11322694	Elevation:	185.830139
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708382
Code OB Desc:	Overburden	North83:	4882066
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	6/7/2005	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:	933018932
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3:		66			
Mat3 Desc:		DENSE			
Formation Top Depth:		26			
Formation End Depth:		101			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933018931			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		6			
Formation End Depth:		26			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933018933			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		91			
Mat2 Desc:		WATER-BEARING			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		101			
Formation End Depth:		104			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933018930			
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:		6			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933272198			
Layer:		1			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Plug From:</i>		0			
<i>Plug To:</i>		20			
<i>Plug Depth UOM:</i>		ft			
<u>Method of Construction & Well Use</u>					
<i>Method Construction ID:</i>		964514283			
<i>Method Construction Code:</i>		1			
<i>Method Construction:</i>		Cable Tool			
<i>Other Method Construction:</i>					
<u>Pipe Information</u>					
<i>Pipe ID:</i>		11337549			
<i>Casing No:</i>		1			
<i>Comment:</i>					
<i>Alt Name:</i>					
<u>Construction Record - Casing</u>					
<i>Casing ID:</i>		930865440			
<i>Layer:</i>		1			
<i>Material:</i>		1			
<i>Open Hole or Material:</i>		STEEL			
<i>Depth From:</i>		0			
<i>Depth To:</i>		104			
<i>Casing Diameter:</i>		6.25			
<i>Casing Diameter UOM:</i>		inch			
<i>Casing Depth UOM:</i>		ft			
<u>Results of Well Yield Testing</u>					
<i>Pump Test ID:</i>		11350056			
<i>Pump Set At:</i>		80			
<i>Static Level:</i>		-2			
<i>Final Level After Pumping:</i>		8			
<i>Recommended Pump Depth:</i>		70			
<i>Pumping Rate:</i>		18			
<i>Flowing Rate:</i>		4			
<i>Recommended Pump Rate:</i>		10			
<i>Levels UOM:</i>		ft			
<i>Rate UOM:</i>		GPM			
<i>Water State After Test Code:</i>		1			
<i>Water State After Test:</i>		CLEAR			
<i>Pumping Test Method:</i>		1			
<i>Pumping Duration HR:</i>		4			
<i>Pumping Duration MIN:</i>					
<i>Flowing:</i>					
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11411799			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		3			
<i>Test Level UOM:</i>		ft			
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>		11411808			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Type:		Recovery			
Test Duration:		60			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411804			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411797			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		1			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411789			
Test Type:		Draw Down			
Test Duration:		3			
Test Level:		4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411798			
Test Type:		Recovery			
Test Duration:		25			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411793			
Test Type:		Recovery			
Test Duration:		20			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411800			
Test Type:		Recovery			
Test Duration:		4			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411806			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		-2			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411785			
Test Type:		Recovery			
Test Duration:		40			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411795			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411801			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411792			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411802			
Test Type:		Draw Down			
Test Duration:		10			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411783			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411784			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test Detail ID:		11411788			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411786			
Test Type:		Draw Down			
Test Duration:		40			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411791			
Test Type:		Draw Down			
Test Duration:		1			
Test Level:		2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411794			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		4			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411805			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411807			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		5			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411790			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		6			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411803			
Test Type:		Recovery			
Test Duration:		10			
Test Level:		-2			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411787			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		-2			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11411796			
Test Type:		Draw Down			
Test Duration:		20			
Test Level:		6			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934061875			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		104			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		11542275			
Diameter:		6			
Depth From:		0			
Depth To:		104			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		11542274			
Diameter:		8			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

57	1 of 1	SSW/263.6	173.7 / -12.14	lot 17 con 8 ON	WWIS
Well ID:		1902175		Data Entry Status:	
Construction Date:				Data Src: 1	
Primary Water Use:		Public		Date Received: 6/19/1963	
Sec. Water Use:		0		Selected Flag: Yes	
Final Well Status:		Water Supply		Abandonment Rec:	
Water Type:				Contractor: 2501	
Casing Material:				Form Version: 1	
Audit No:				Owner:	
Tag:				Street Name:	
Construction Method:				County: NORTHUMBERLAND	
Elevation (m):				Municipality: HOPE TOWNSHIP	
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot: 017	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well Depth:				Concession:	08
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/190\1902175.pdf

Bore Hole Information

Bore Hole ID:	10071238	Elevation:	177.06343
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	0	East83:	707775.2
Code OB Desc:	Overburden	North83:	4881433
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	6/17/1962	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:	931144328
Layer:	2
Color:	
General Color:	
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	57
Formation End Depth:	58
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931144327
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	0
Formation End Depth:	57
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Method of Construction & Well Use

Method Construction ID: 961902175
 Method Construction Code: 1
 Method Construction: Cable Tool
 Other Method Construction:

Pipe Information

Pipe ID: 10619808
 Casing No: 1
 Comment:
 Alt Name:

Construction Record - Casing

Casing ID: 930128707
 Layer: 1
 Material: 1
 Open Hole or Material: STEEL
 Depth From:
 Depth To: 58
 Casing Diameter: 6
 Casing Diameter UOM: inch
 Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991902175
 Pump Set At:
 Static Level: 18
 Final Level After Pumping: 20
 Recommended Pump Depth: 50
 Pumping Rate: 10
 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: 1
 Pumping Duration HR: 2
 Pumping Duration MIN: 0
 Flowing: No

Water Details

Water ID: 933512723
 Layer: 1
 Kind Code: 1
 Kind: FRESH
 Water Found Depth: 58
 Water Found Depth UOM: ft

58	1 of 1	ENE/266.7	190.7 / 4.91	lot 15 con 8 ON	WWIS
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Well ID:	4511699	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	2/16/1999
Sec. Water Use:		Selected Flag:	Yes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	7067
Casing Material:				Form Version:	1
Audit No:	199796			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	08
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/451\4511699.pdf

Bore Hole Information

Bore Hole ID:	10290416	Elevation:	189.511901
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708323
Code OB Desc:	Overburden	North83:	4882260
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	4
Date Completed:	1/11/1999	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	
Elevrc Desc:			
Location Source Date:	As of Fall, 2005		
Improvement Location Source:	YPDT_Master_A.mdb from Conservation Authority Moraine Coalition		
Improvement Location Method:	Map		
Source Revision Comment:	Sourced from Hunter and Assoc. by CAMC. Source notes: HUNTER 2001 ORM AVI STUDY; Address Map/OBM (UTM 1982); Original units in CAMC's source: UTM NAD83 UTM's and Gnd Elev updated by Hunter Brought into CAMC data on: 02/08/2002. Source ID: 4511699		
Supplier Comment:	Changed from lot/centroid coordinates.		

Overburden and Bedrock Materials Interval

Formation ID:	931935774
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	01
Mat2 Desc:	FILL
Mat3:	12
Mat3 Desc:	STONES
Formation Top Depth:	0
Formation End Depth:	8
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931935775
Layer:	2
Color:	2
General Color:	GREY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		12			
Mat2 Desc:		STONES			
Mat3:		11			
Mat3 Desc:		GRAVEL			
Formation Top Depth:		8			
Formation End Depth:		44			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931935776			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		91			
Mat3 Desc:		WATER-BEARING			
Formation Top Depth:		44			
Formation End Depth:		45			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933167221			
Layer:		2			
Plug From:		8			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933167220			
Layer:		1			
Plug From:		0			
Plug To:		8			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964511699			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10838986			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930480597			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		45			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994511699			
Pump Set At:					
Static Level:					
Final Level After Pumping:		12			
Recommended Pump Depth:		35			
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:		2			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934243772			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		12			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934517033			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		12			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935040577			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		12			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934771995			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		12			
Test Level UOM:		ft			

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

Water ID: 933761378
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 45
Water Found Depth UOM: ft

[59](#) 1 of 1 **ENE/272.4** **190.7 / 4.91** **WOODLAND EAST lot 13 con 8 GARDEN HILL ON** **WWIS**

Well ID: 7039817 Construction Date: Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z47171 Tag: A042234 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: 1/25/2007 Selected Flag: Yes Abandonment Rec: Contractor: 3367 Form Version: 3 Owner: Street Name: WOODLAND EAST County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 013 Concession: 08 Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:
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PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/7037039817.pdf

Bore Hole Information

Bore Hole ID: 11762859 DP2BR: Spatial Status: Code OB: o Code OB Desc: Overburden Open Hole: Cluster Kind: Date Completed: 10/13/2006 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:	Elevation: 189.579681 Elevrc: Zone: 17 East83: 708329 North83: 4882260 Org CS: UTM83 UTMRC: 3 UTMRC Desc: margin of error : 10 - 30 m Location Method: wwr
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Overburden and Bedrock Materials Interval

Formation ID: 933088449
Layer: 4
Color: 6
General Color: BROWN
Mat1: 11
Most Common Material: GRAVEL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		71			
Formation End Depth:		72			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933088448			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		69			
Formation End Depth:		71			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933088446			
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:		24			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933088447			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		24			
Formation End Depth:		69			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug ID:		933312325			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		967039817			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11770549			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930894656			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:		0			
Depth To:		72			
Casing Diameter:		6.25			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		11777097			
Pump Set At:		69			
Static Level:		14			
Final Level After Pumping:		17			
Recommended Pump Depth:		65			
Pumping Rate:		6			
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:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:		30			
Flowing:					
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11791740			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		16.9			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Pump Test Detail ID:</i>		11791738			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		4			
<i>Test Level:</i>		16.825			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11791744			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		20			
<i>Test Level:</i>		16.11			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11791735			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		2			
<i>Test Level:</i>		15.6			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11791746			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		30			
<i>Test Level:</i>		17			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11791732			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		1			
<i>Test Level:</i>		16			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11791745			
<i>Test Type:</i>		Draw Down			
<i>Test Duration:</i>		25			
<i>Test Level:</i>		17			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11791737			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		3			
<i>Test Level:</i>		15			
<i>Test Level UOM:</i>		ft			
 <i><u>Draw Down & Recovery</u></i>					
<i>Pump Test Detail ID:</i>		11791739			
<i>Test Type:</i>		Recovery			
<i>Test Duration:</i>		4			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:			14.6		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11791749		
Test Type:			Draw Down		
Test Duration:			60		
Test Level:			17.2		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11791747		
Test Type:			Draw Down		
Test Duration:			40		
Test Level:			17		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11791750		
Test Type:			Recovery		
Test Duration:			60		
Test Level:			14		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11791734		
Test Type:			Draw Down		
Test Duration:			2		
Test Level:			16.6		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11791741		
Test Type:			Recovery		
Test Duration:			5		
Test Level:			14		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11791742		
Test Type:			Draw Down		
Test Duration:			10		
Test Level:			16.1		
Test Level UOM:			ft		
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:			11791736		
Test Type:			Draw Down		
Test Duration:			3		
Test Level:			16.8		
Test Level UOM:			ft		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11791733			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		16			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11791743			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		16.11			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11791748			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		17.1			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		934083356			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		72			
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		11848318			
Diameter:		6			
Depth From:		0			
Depth To:		72			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Hole Diameter</u>					
Hole ID:		11848319			
Diameter:		8			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
60	1 of 1	ESE/274.5	172.8 / -13.00	lot 16 con 7 ON	WWIS
Well ID:	4504633			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	4/18/1977
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	2306
Casing Material:				Form Version:	1

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:				Owner: Street Name: County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 016 Concession: 07 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/450\4504633.pdf			

Bore Hole Information

Bore Hole ID:	10283472	Elevation:	172.248214
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:	o	East83:	708535.2
Code OB Desc:	Overburden	North83:	4881663
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	4
Date Completed:	6/25/1976	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	p4
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

**Overburden and Bedrock
Materials Interval**

Formation ID:	931906812
Layer:	5
Color:	2
General Color:	GREY
Mat1:	28
Most Common Material:	SAND
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	
Formation Top Depth:	125
Formation End Depth:	130
Formation End Depth UOM:	ft

**Overburden and Bedrock
Materials Interval**

Formation ID:	931906809
Layer:	2
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	66
Mat2 Desc:	DENSE
Mat3:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:		20			
Formation End Depth:		80			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931906808			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		66			
Mat2 Desc:		DENSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931906813			
Layer:		6			
Color:		8			
General Color:		BLACK			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		130			
Formation End Depth:		135			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931906810			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		66			
Mat2 Desc:		DENSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		80			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931906811			
Layer:		4			
Color:		3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BLUE			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		85			
Mat2 Desc:		SOFT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		100			
Formation End Depth:		125			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964504633			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10832042			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930472707			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		135			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994504633			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:		100			
Pumping Rate:					
Flowing Rate:		6			
Recommended Pump Rate:		6			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:		3			
Pumping Duration MIN:		30			
Flowing:		Yes			
<u>Water Details</u>					
Water ID:		933753765			
Layer:		1			
Kind Code:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Kind:		FRESH			
Water Found Depth:		135			
Water Found Depth UOM:		ft			

61	1 of 1	E/277.2	187.5 / 1.69	lot 16 con 8 ON	WWIS
Well ID:	4510286			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	6/2/1994
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3367
Casing Material:				Form Version:	1
Audit No:	137242			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	08
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/451\4510286.pdf

Bore Hole Information

Bore Hole ID:	10289008	Elevation:	186.401779
DP2BR:	151	Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	r	East83:	708397
Code OB Desc:	Bedrock	North83:	4882078
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	5/3/1994	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. Well in same location as sketch map; conflicts with recorded con/lot.		
Supplier Comment:	Determined to be an improvement rather than a Lot Centroid in December 2009.		

**Overburden and Bedrock
Materials Interval**

Formation ID:	931929410
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	66
Mat2 Desc:	DENSE
Mat3:	
Mat3 Desc:	
Formation Top Depth:	18

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation End Depth:			110		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931929408		
Layer:			1		
Color:			6		
General Color:			BROWN		
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		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931929409		
Layer:			2		
Color:			6		
General Color:			BROWN		
Mat1:			28		
Most Common Material:			SAND		
Mat2:			79		
Mat2 Desc:			PACKED		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			2		
Formation End Depth:			18		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931929412		
Layer:			5		
Color:			2		
General Color:			GREY		
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			11		
Mat2 Desc:			GRAVEL		
Mat3:			60		
Mat3 Desc:			CEMENTED		
Formation Top Depth:			118		
Formation End Depth:			151		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931929411		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			11		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:		GRAVEL			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		110			
Formation End Depth:		118			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931929413			
Layer:		6			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:		73			
Mat2 Desc:		HARD			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		151			
Formation End Depth:		156			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933165785			
Layer:		2			
Plug From:		8			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933165784			
Layer:		1			
Plug From:		0			
Plug To:		8			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		964510286			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10837578			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930478809			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		156			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930478808			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		151			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994510286			
Pump Set At:					
Static Level:		20			
Final Level After Pumping:		140			
Recommended Pump Depth:		146			
Pumping Rate:		8			
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:		2			
Pumping Duration HR:		3			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935036175			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		140			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934776216			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		130			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934238781			
Test Type:		Draw Down			
Test Duration:		15			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level:		80			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934520268			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		110			
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:		933759682			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		156			
Water Found Depth UOM:		ft			

<u>62</u>	1 of 1	E/278.9	189.8 / 3.97	lot 16 con 8 ON	WWIS
Well ID:	4510287			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	6/2/1994
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	3367
Casing Material:				Form Version:	1
Audit No:	137241			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	08
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/451\4510287.pdf

Bore Hole Information

Bore Hole ID:	10289009	Elevation:	189.207061
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708366
Code OB Desc:	Overburden	North83:	4882173
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	5/5/1994	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. Well in same location as sketch map; conflicts with recorded		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Supplier Comment:		con/lot. Determined to be an improvement rather than a Lot Centroid in December 2009.			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931929418			
Layer:		5			
Color:		6			
General Color:		BROWN			
Mat1:		31			
Most Common Material:		COARSE GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		91			
Mat3 Desc:		WATER-BEARING			
Formation Top Depth:		87			
Formation End Depth:		90			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931929414			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		01			
Most Common Material:		FILL			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		0			
Formation End Depth:		5			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931929416			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		66			
Mat2 Desc:		DENSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		18			
Formation End Depth:		80			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931929417			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Common Material:					
Mat2:		CLAY			
Mat2 Desc:		11			
Mat3:		GRAVEL			
Mat3 Desc:		79			
Formation Top Depth:		PACKED			
Formation End Depth:		80			
Formation End Depth UOM:		87			
		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		931929415			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		79			
Mat2 Desc:		PACKED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		5			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933165787			
Layer:		2			
Plug From:		8			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		933165786			
Layer:		1			
Plug From:		0			
Plug To:		8			
Plug Depth UOM:		ft			
<u>Method of Construction & Well</u>					
<u>Use</u>					
Method Construction ID:		964510287			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10837579			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing ID:		930478810			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		90			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994510287			
Pump Set At:					
Static Level:		2			
Final Level After Pumping:		70			
Recommended Pump Depth:		80			
Pumping Rate:		20			
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			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934238782			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		50			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934776217			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		65			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934520269			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		60			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935036176			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		70			
Test Level UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Details					
Water ID:		933759683			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		90			
Water Found Depth UOM:		ft			

63	1 of 1	SE/294.6	177.2 / -8.69	lot 16 con 7 ON	WWIS
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Well ID:	4512729	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	8/31/2001
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	3367
Casing Material:		Form Version:	1
Audit No:	228820	Owner:	
Tag:		Street Name:	
Construction Method:		County:	NORTHUMBERLAND
Elevation (m):		Municipality:	HOPE TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	016
Well Depth:		Concession:	07
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/451\4512729.pdf

Bore Hole Information

Bore Hole ID:	10520318	Elevation:	177.602111
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708512
Code OB Desc:	Overburden	North83:	4881446
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	7/17/2001	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).missing RD name, approx using similar features		
Supplier Comment:	Determined to be an improvement rather than a Lot Centroid in December 2009.		

**Overburden and Bedrock
Materials Interval**

Formation ID:	932844471
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:		77			
Mat2 Desc:		LOOSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932844474			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		79			
Mat2 Desc:		PACKED			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		105			
Formation End Depth:		125			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932844475			
Layer:		5			
Color:		8			
General Color:		BLACK			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		91			
Mat2 Desc:		WATER-BEARING			
Mat3:		80			
Mat3 Desc:		POROUS			
Formation Top Depth:		125			
Formation End Depth:		127			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		932844472			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:		79			
Mat3 Desc:		PACKED			
Formation Top Depth:		1			
Formation End Depth:		28			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932844473			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:		77			
Mat2 Desc:		LOOSE			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		28			
Formation End Depth:		105			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933222494			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964512729			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		11068888			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930481912			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994512729			
Pump Set At:					
Static Level:		0			
Final Level After Pumping:		10			
Recommended Pump Depth:		110			
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:		8			
Levels UOM:		ft			
Rate UOM:		GPM			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water State After Test Code:					
	1				
Water State After Test:					
	CLEAR				
Pumping Test Method:					
	2				
Pumping Duration HR:					
	2				
Pumping Duration MIN:					
	30				
Flowing:					
	No				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:					
	934246437				
Test Type:					
	Draw Down				
Test Duration:					
	15				
Test Level:					
	10				
Test Level UOM:					
	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:					
	935035701				
Test Type:					
	Draw Down				
Test Duration:					
	60				
Test Level:					
	10				
Test Level UOM:					
	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:					
	934775333				
Test Type:					
	Draw Down				
Test Duration:					
	45				
Test Level:					
	10				
Test Level UOM:					
	ft				
 <u>Draw Down & Recovery</u>					
Pump Test Detail ID:					
	934519815				
Test Type:					
	Draw Down				
Test Duration:					
	30				
Test Level:					
	10				
Test Level UOM:					
	ft				
 <u>Water Details</u>					
Water ID:					
	934012508				
Layer:					
	1				
Kind Code:					
	1				
Kind:					
	FRESH				
Water Found Depth:					
	127				
Water Found Depth UOM:					
	ft				

64	1 of 1	SE/297.3	176.8 / -9.05	lot 16 con 7 ON	WWIS
Well ID:					
	4511748				
Construction Date:					
Primary Water Use:					
	Domestic				
Sec. Water Use:					
Final Well Status:					
	Water Supply				
Water Type:					
Casing Material:					
Audit No:					
	202121				
Tag:					
Construction Method:					
Data Entry Status:					
Data Src:					
	1				
Date Received:					
	5/7/1999				
Selected Flag:					
	Yes				
Abandonment Rec:					
Contractor:					
	6418				
Form Version:					
	1				
Owner:					
Street Name:					
County:					
				NORTHUMBERLAND	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	07
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/451\4511748.pdf

Bore Hole Information

Bore Hole ID:	10290465	Elevation:	178.19078
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708454
Code OB Desc:	Overburden	North83:	4881378
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	4
Date Completed:	4/9/1999	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	
Elevrc Desc:			
Location Source Date:	As of Fall, 2005		
Improvement Location Source:	YPDT_Master_A.mdb from Conservation Authority Moraine Coalition		
Improvement Location Method:	Map		
Source Revision Comment:	Sourced from Hunter and Assoc. by CAMC. Source notes: HUNTER 2001 ORM AVI STUDY; Address Map/OBM (UTM 1982); Original units in CAMC's source: UTM NAD83 UTM's and Gnd Elev updated by Hunter Brought into CAMC data on: 02/08/2002. Source ID: 4511748		
Supplier Comment:	Changed from lot/centroid coordinates.		

Overburden and Bedrock

Materials Interval

Formation ID:	931935979
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Mat2 Desc:	STONES
Mat3:	85
Mat3 Desc:	SOFT
Formation Top Depth:	10
Formation End Depth:	129
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931935977
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	02
Most Common Material:	TOPSOIL
Mat2:	85
Mat2 Desc:	SOFT
Mat3:	
Mat3 Desc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:	0				
Formation End Depth:	2				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931935978				
Layer:	2				
Color:	6				
General Color:	BROWN				
Mat1:	05				
Most Common Material:	CLAY				
Mat2:	28				
Mat2 Desc:	SAND				
Mat3:	73				
Mat3 Desc:	HARD				
Formation Top Depth:	2				
Formation End Depth:	10				
Formation End Depth UOM:	ft				
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:	931935980				
Layer:	4				
Color:	2				
General Color:	GREY				
Mat1:	10				
Most Common Material:	COARSE SAND				
Mat2:	11				
Mat2 Desc:	GRAVEL				
Mat3:	73				
Mat3 Desc:	HARD				
Formation Top Depth:	129				
Formation End Depth:	131				
Formation End Depth UOM:	ft				
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:	933167265				
Layer:	1				
Plug From:	0				
Plug To:	10				
Plug Depth UOM:	ft				
<u>Method of Construction & Well Use</u>					
Method Construction ID:	964511748				
Method Construction Code:	1				
Method Construction:	Cable Tool				
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:	10839035				
Casing No:	1				
Comment:					
Alt Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Construction Record - Casing</u>					
Casing ID:		930480653			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		131			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994511748			
Pump Set At:					
Static Level:		0			
Final Level After Pumping:		0			
Recommended Pump Depth:		100			
Pumping Rate:		25			
Flowing Rate:		10			
Recommended Pump Rate:		10			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		2			
Water State After Test:		CLOUDY			
Pumping Test Method:		2			
Pumping Duration HR:		4			
Pumping Duration MIN:		0			
Flowing:		No			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934517074			
Test Type:		Draw Down			
Test Duration:		30			
Test Level:		0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		935040617			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		0			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934243814			
Test Type:		Draw Down			
Test Duration:		15			
Test Level:		15			
Test Level UOM:		ft			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		934772454			
Test Type:		Draw Down			
Test Duration:		45			
Test Level:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Test Level UOM:		ft			
<u>Water Details</u>					
Water ID:	933761429				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	131				
Water Found Depth UOM:	ft				

65	1 of 1	ESE/298.1	172.0 / -13.81	lot 15 con 7 ON	WWIS
Well ID:	4511652			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Domestic			Date Received:	12/14/1998
Sec. Water Use:				Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	4635
Casing Material:				Form Version:	1
Audit No:	195124			Owner:	
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	015
Well Depth:				Concession:	07
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/451\4511652.pdf				

Bore Hole Information

Bore Hole ID:	10290369	Elevation:	173.107528
DP2BR:	140	Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	r	East83:	708554
Code OB Desc:	Bedrock	North83:	4881686
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	8/26/1998	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:	931935584
Layer:	3
Color:	2
General Color:	GREY

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:			05		
Most Common Material:			CLAY		
Mat2:			11		
Mat2 Desc:			GRAVEL		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			18		
Formation End Depth:			138		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931935582		
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		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931935583		
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:			18		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931935586		
Layer:			5		
Color:			2		
General Color:			GREY		
Mat1:			15		
Most Common Material:			LIMESTONE		
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:			140		
Formation End Depth:			140		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		931935585			
Layer:		4			
Color:		2			
General Color:		GREY			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		138			
Formation End Depth:		140			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		933167178			
Layer:		1			
Plug From:		0			
Plug To:		20			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964511652			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10838939			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930480539			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		140			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994511652			
Pump Set At:					
Static Level:		18			
Final Level After Pumping:		135			
Recommended Pump Depth:		140			
Pumping Rate:		5			
Flowing Rate:					
Recommended Pump Rate:		3			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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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: 935041236
Test Type: Draw Down
Test Duration: 60
Test Level: 135
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934243318
Test Type: Draw Down
Test Duration: 15
Test Level: 100
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934771959
Test Type: Draw Down
Test Duration: 45
Test Level: 135
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934516997
Test Type: Draw Down
Test Duration: 30
Test Level: 135
Test Level UOM: ft

Water Details

Water ID: 933761334
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 140
Water Found Depth UOM: ft

66	1 of 1	E/298.8	189.9 / 4.03	lot 16 con 8 ON	WWIS
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Well ID:	4509203	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	6/21/1991
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2104
Casing Material:		Form Version:	1
Audit No:	098652	Owner:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tag:				Street Name:	
Construction Method:				County:	NORTHUMBERLAND
Elevation (m):				Municipality:	HOPE TOWNSHIP
Elevation Reliability:				Site Info:	
Depth to Bedrock:				Lot:	016
Well Depth:				Concession:	08
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/450\4509203.pdf

Bore Hole Information

Bore Hole ID:	10287927	Elevation:	188.999313
DP2BR:		Elevrc:	
Spatial Status:	Improved	Zone:	17
Code OB:	o	East83:	708387
Code OB Desc:	Overburden	North83:	4882173
Open Hole:		Org CS:	N83
Cluster Kind:		UTMRC:	3
Date Completed:	6/14/1991	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:	931924528
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	
Formation Top Depth:	97
Formation End Depth:	118
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931924530
Layer:	5
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Mat2 Desc:	
Mat3:	
Mat3 Desc:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:			124		
Formation End Depth:			156		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931924526		
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		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931924529		
Layer:			4		
Color:			2		
General Color:			GREY		
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:			05		
Mat2 Desc:			CLAY		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			118		
Formation End Depth:			124		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931924531		
Layer:			6		
Color:			2		
General Color:			GREY		
Mat1:			11		
Most Common Material:			GRAVEL		
Mat2:			05		
Mat2 Desc:			CLAY		
Mat3:					
Mat3 Desc:					
Formation Top Depth:			156		
Formation End Depth:			160		
Formation End Depth UOM:			ft		
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:			931924527		
Layer:			2		
Color:			2		
General Color:			GREY		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		28			
Most Common Material:		SAND			
Mat2:		05			
Mat2 Desc:		CLAY			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		1			
Formation End Depth:		97			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		964509203			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10836497			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930477579			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		160			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		994509203			
Pump Set At:					
Static Level:		45			
Final Level After Pumping:		145			
Recommended Pump Depth:		145			
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:		1			
Pumping Duration HR:		6			
Pumping Duration MIN:		30			
Flowing:		No			
<u>Water Details</u>					
Water ID:		933758549			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Water Found Depth:</i>		160			
<i>Water Found Depth UOM:</i>		ft			

Unplottable Summary

Total: **22** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 17 Con 8	Hope ON	
AAGR		Lot 16 Con 7	Hope ON	
CA		Mill Street	Port Hope ON	
CA	Mill Street Pumping Station Upgrade	Mill Street	Port Hope ON	
CA	Mill Street Pumping Station Upgrade	Mill Street	Port Hope ON	
CA	The Corporation of the Municipality of Port Hope	Mill St	Port Hope ON	
CFOT	ROLDANO DALLA ROSA	RR 1 LOT 16 CONC 7 PORT HOPE L1A 3V5 ON CA	ON	
ECA	The Corporation of the Municipality of Port Hope	Mill St	Port Hope ON	L1A 3V9
ECA	The Corporation of the Municipality of Port Hope	Mill St	Port Hope ON	L1A 3V9
ECA	The Corporation of the Town of Port Hope	Mill Street	Port Hope ON	L1A 3Z9
ECA	The Corporation of the Town of Port Hope	Mill Street	Port Hope ON	L1A 3Z9
FST	ROLDANO DALLA ROSA	RR 1 LOT 16 CONC 7 PORT HOPE L1A 3V5 ON CA	ON	
FST	ROBB ROY TURKEY ENTERPRISES ROB ROY TURKEY ENTERPRISES LTD	LOT 17 CON 8 HOPE L0A 1B0 ON CA LOT 17 CON 8 HOPE L0A 1B0 ON CA	ON	
FSTH	ROBB ROY TURKEY ENTERPRISES ROB ROY TURKEY ENTERPRISES LTD	LOT 17 CON 8	HOPE ON	
FSTH	ROBB ROY TURKEY ENTERPRISES ROB ROY TURKEY ENTERPRISES LTD	LOT 17 CON 8	HOPE ON	

LIMO	The Corporation of the Township of Haldiman Township of Alnwick/Haldimand	Lots 17 & 18, Concession 6,7 Northumberland	ON	
PRT	GARDENHILL GARAGE LTD	LOT 15 CON 7	CAMPBELLCROFT ON	
PRT	ROBB ROY TURKEY ENTERPRISES ROB ROY TURKEY ENTERPR	LOT 17 CON 8	HOPE ON	
PTTW	1078815 Ontario Inc.	Lot 16, Concession 7 HOPE	ON	
SPL		Ganaraska Road, Garden Hill	Port Hope ON	
SPL	The Corporation of the Municipality of Port Hope	Mill St	Port Hope ON	NA
WWIS		3713 CTY RD #9 lot 17 con 7	GARDEN HILL ON	

Unplottable Report

Site: Lot 17 Con 8 Hope ON

Database:
AAGR

Type: Pit
Region/County: Northumberland
Township: Hope
Concession: 8
Lot: 17
Size (ha):
Landuse: development
Comments:

Site: Lot 16 Con 7 Hope ON

Database:
AAGR

Type: Pit
Region/County: Northumberland
Township: Hope
Concession: 7
Lot: 16
Size (ha):
Landuse:
Comments: naturally rehabilitated

Site: Mill Street Port Hope ON

Database:
CA

Certificate #: 4607-4LAS75
Application Year: 00
Issue Date: 6/15/00
Approval Type: Industrial air
Status: Approved
Application Type: New Certificate of Approval
Client Name: Town Of Port Hope
Client Address: P.O. Box 117, 56 Queen Street
Client City: Port Hope
Client Postal Code: L1A 3V9
Project Description: This is an application for an Air Certificate of Approval for a standby power diesel engine generator, power is provided at 220 kW. Generator is housed in the sewage pumping station building.
Contaminants:
Emission Control: Silencer

Site: Mill Street Pumping Station Upgrade
Mill Street Port Hope ON

Database:
CA

Certificate #: 7882-4KTR3L
Application Year: 00
Issue Date: 6/9/00
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name: Town of Port Hope
Client Address: P.O. Box 117, 56 Queen Street
Client City: Port Hope
Client Postal Code: L1A 3V9

Project Description: Sanitary Sewer, Forcemain & Upgrade Sewage Pumping Station
Contaminants:
Emission Control:

Site: Mill Street Pumping Station Upgrade
Mill Street Port Hope ON

Database:
CA

Certificate #: 1600-4KTQWT
Application Year: 00
Issue Date: 6/9/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Town Of Port Hope
Client Address: P.O. Box 117, 56 Queen Street
Client City: Port Hope
Client Postal Code: L1A 3V9
Project Description: Watermains
Contaminants:
Emission Control:

Site: The Corporation of the Municipality of Port Hope
Mill St Port Hope ON

Database:
CA

Certificate #: 4309-7BKQ6V
Application Year: 2008
Issue Date: 2/7/2008
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: ROLDANO DALLA ROSA
RR 1 LOT 16 CONC 7 PORT HOPE L1A 3V5 ON CA ON

Database:
CFOT

Licence No:		Item Description:	Fuel Oil Tank
Registration No:		Instance Type:	FS Fuel Oil Tank
Posse File No:		Facility Type:	FS Fuel Oil Tank
Posse Reg No:		Fuel Type:	Fuel Oil
Status Name:		Distributor:	
Tank Type:	Single Wall UST	Letter Sent:	
Tank Size:	2273	Comments:	
Tank Material:	NULL	Corrosion Protect:	
Instance No:	41852546	Province:	
Inst Creation Date:	3/28/2006	Nbr:	
Inst Install Date:	3/28/2006	Context:	FS Fuel Oil Tank
Item:	FS FUEL OIL TANK		
Tank Age (as of 05/1992):			
Device Installed Location:	RR 1 LOT 16 CONC 7 PORT HOPE L1A 3V5 ON CA		
Description:	NULL		
Contact Name:			
Contact Address:			
Contact Address2:			
Contact Suite:			
Contact City:			
Contact Prov:			
Contact Postal:			

Site: *The Corporation of the Municipality of Port Hope*
Mill St Port Hope ON L1A 3V9

Database:
ECA

Approval No: 9169-7BKQ3L
Approval Date: 2008-02-07
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal Drinking Water Systems
Project Type: Municipal Drinking Water Systems
Business Name: The Corporation of the Municipality of Port Hope
Address: Mill St
Full Address:
Full PDF Link:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *The Corporation of the Municipality of Port Hope*
Mill St Port Hope ON L1A 3V9

Database:
ECA

Approval No: 4309-7BKQ6V
Approval Date: 2008-02-07
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the Municipality of Port Hope
Address: Mill St
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/4296-77PJ8T-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *The Corporation of the Town of Port Hope*
Mill Street Port Hope ON L1A 3Z9

Database:
ECA

Approval No: 7882-4KTR3L
Approval Date: 2000-06-09
Status: Revoked and/or Replaced
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the Town of Port Hope
Address: Mill Street
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/5220-4JHHGS-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *The Corporation of the Town of Port Hope*
Mill Street Port Hope ON L1A 3Z9

Database:
ECA

Approval No: 1600-4KTQWT
Approval Date: 2000-06-09
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:
Approval Type: ECA-Municipal and Private Water Works
Project Type: Municipal and Private Water Works
Business Name: The Corporation of the Town of Port Hope
Address: Mill Street
Full Address:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: ROLDANO DALLA ROSA
RR 1 LOT 16 CONC 7 PORT HOPE L1A 3V5 ON CA ON

Database:
FST

Instance No:	41852546	Manufacturer:	NULL
Status:	Active	Serial No:	NULL
Cont Name:		Ulc Standard:	NULL
Instance Type:		Quantity:	1
Item:		Unit of Measure:	EA
Item Description:	Fuel Oil Tank	Fuel Type:	
Tank Type:	Single Wall UST	Fuel Type2:	
Install Date:	3/28/2006	Fuel Type3:	
Install Year:	NULL	Piping Steel:	
Years in Service:	5	Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:	NULL	Piping Underground:	
Capacity:	2273	Num Underground:	
Tank Material:	NULL	Panam Related:	NULL
Corrosion Protect:	NULL	Panam Venue:	NULL
Overfill Protect:			
Facility Type:	FS FUEL OIL TANK		
Parent Facility Type:			
Facility Location:	RR 1 LOT 16 CONC 7 PORT HOPE L1A 3V5 ON CA		
Device Installed Location:			

Site: ROBB ROY TURKEY ENTERPRISES ROBB ROY TURKEY ENTERPRISES LTD
LOT 17 CON 8 HOPE L0A 1B0 ON CA LOT 17 CON 8 HOPE L0A 1B0 ON CA ON

Database:
FST

Instance No:	10790494	Manufacturer:	NULL
Status:	Active	Serial No:	NULL
Cont Name:		Ulc Standard:	NULL
Instance Type:	FS Liquid Fuel Tank	Quantity:	1
Item:	FS LIQUID FUEL TANK	Unit of Measure:	EA
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Single Wall UST	Fuel Type2:	NULL
Install Date:	4/26/1990	Fuel Type3:	NULL
Install Year:	1974	Piping Steel:	
Years in Service:	20.9	Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	2273	Num Underground:	
Tank Material:	Steel	Panam Related:	NULL
Corrosion Protect:	Impressed Current	Panam Venue:	NULL
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve		
Facility Location:	LOT 17 CON 8 HOPE L0A 1B0 ON CA		
Device Installed Location:	LOT 17 CON 8 HOPE L0A 1B0 ON CA		

Fuel Storage Tank Details

Owner Account Name: ROBB ROY TURKEY ENTERPRISES ROBB ROY TURKEY ENTERPRISES LTD

Liquid Fuel Tank Details

Overfill Protection: NULL
Owner Account Name: ROBB ROY TURKEY ENTERPRISES ROBB ROY TURKEY ENTERPRISES LTD

Site: ROBB ROY TURKEY ENTERPRISES ROBB ROY TURKEY ENTERPRISES LTD
LOT 17 CON 8 HOPE ON

Database:
FSTH

License Issue Date: 7/9/1990
Tank Status: Licensed

Tank Status As Of: December 2008
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--

Status: Active
Year of Installation: 1974
Corrosion Protection:
Capacity: 2273
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Site: **ROBB ROY TURKEY ENTERPRISES ROB ROY TURKEY ENTERPRISES LTD**
LOT 17 CON 8 HOPE ON

Database:
FSTH

License Issue Date: 7/9/1990
Tank Status: Licensed
Tank Status As Of: August 2007
Operation Type: Private Fuel Outlet
Facility Type: Gasoline Station - Self Serve

--Details--

Status: Active
Year of Installation: 1974
Corrosion Protection:
Capacity: 2273
Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline

Site: **The Corporation of the Township of Haldiman Township of Alnwick/Haldimand**
Lots 17 & 18, Concession 6,7 Northumberland ON

Database:
LIMO

ECA/Instrument No: A311704
Oper Status 2016: Closed
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type:
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name:
ERC Methodology:
Site Name:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Aprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

The Corporation of the Township of Haldiman
Township of Alnwick/Haldimand

Site Location Details:
Service Area:
Page URL:

Site: GARDENHILL GARAGE LTD
LOT 15 CON 7 CAMPBELLCROFT ON

Database:
[PRT](#)

Location ID: 2704
Type: retail
Expiry Date: 1995-05-31
Capacity (L): 0
Licence #: 0051726001

Site: ROBB ROY TURKEY ENTERPRISES ROB ROY TURKEY ENTERPR
LOT 17 CON 8 HOPE ON

Database:
[PRT](#)

Location ID: 6420
Type: private
Expiry Date:
Capacity (L): 2273.00
Licence #: 0001023864

Site: 1078815 Ontario Inc.
Lot 16, Concession 7 HOPE ON

Database:
[PTTW](#)

EBR Registry No:	IA00E0184	Decision Posted:	
Ministry Ref No:	ER-8701	Exception Posted:	
Notice Type:	Instrument Decision	Section:	
Notice Stage:		Act 1:	
Notice Date:	May 30, 2000	Act 2:	
Proposal Date:	January 26, 2000	Site Location Map:	
Year:	2000		
Instrument Type:	(OWRA s. 34) - Permit to Take Water		
Off Instrument Name:			
Posted By:			
Company Name:	1078815 Ontario Inc.		
Site Address:			
Location Other:			
Proponent Name:			
Proponent Address:	R.R. #5, 1800 Beardsmore Road, Peterborough Ontario, K9J 6X6		
Comment Period:			
URL:			

Site Location Details:

Lot 16, Concession 7 HOPE

Site: Ganaraska Road, Garden Hill Port Hope ON

Database:
[SPL](#)

Ref No:	4225-BDPJ4K	Discharger Report:	
Site No:	NA	Material Group:	
Incident Dt:	6/27/2019	Health/Env Conseq:	0 - No Impact
Year:		Client Type:	
Incident Cause:		Sector Type:	
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:		Site Address:	Ganaraska Road, Garden Hill
Contaminant Limit 1:		Site District Office:	Peterborough
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	Eastern
Environment Impact:		Site Municipality:	Port Hope
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	

MOE Response: Yes
Dt MOE Arvl on Scn: 6/27/2019
MOE Reported Dt: 6/27/2019
Dt Document Closed:
Incident Reason:
Site Name: Garden Hill Conservation Area<UNOFFICIAL>
Site County/District: County of Northumberland
Site Geo Ref Meth:
Incident Summary: NO/PH: PIR re: Excessive Algae in Pond.
Contaminant Qty:

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

Site: The Corporation of the Municipality of Port Hope
 Mill St Port Hope ON NA

Database:
 SPL

Ref No: 1767-A3QU8X Site No: 6538-4JHHJN Incident Dt: 10/28/2015 Year: Incident Cause: Incident Event: Contaminant Code: 44 Contaminant Name: SEWAGE,RAW CHLORINATED Contaminant Limit 1: Contam Limit Freq 1: Contaminant UN No 1: Environment Impact: Nature of Impact: Receiving Medium: Receiving Env: MOE Response: No Dt MOE Arvl on Scn: MOE Reported Dt: 10/28/2015 Dt Document Closed: Incident Reason: Weather Conditions Site Name: Mill Street Pumping Station Site County/District: Site Geo Ref Meth: NA Incident Summary: Sewage Manhole Surcharge- Heavy Rains Contaminant Qty: 0 other - see incident description	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Miscellaneous Communal Agency Involved: Nearest Watercourse: Ganaraska River Site Address: Mill St Site District Office: Site Postal Code: NA Site Region: Site Municipality: Port Hope Site Lot: Site Conc: Northing: NA Easting: NA Site Geo Ref Accu: NA Site Map Datum: NA SAC Action Class: Watercourse Spills Source Type:
---	---

Site: 3713 CTY RD #9 lot 17 con 7 GARDEN HILL ON

Database:
 WWIS

Well ID: 4514166 Construction Date: Primary Water Use: Domestic Sec. Water Use: Livestock Final Well Status: Water Supply Water Type: Casing Material: Audit No: Z19689 Tag: A015830 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: 4/7/2005 Selected Flag: Yes Abandonment Rec: Contractor: 4635 Form Version: 3 Owner: Street Name: 3713 CTY RD #9 County: NORTHUMBERLAND Municipality: HOPE TOWNSHIP Site Info: Lot: 017 Concession: 07 Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:
---	--

Bore Hole Information

Bore Hole ID: 11322577
DP2BR:
Spatial Status:
Code OB: o
Code OB Desc: Overburden
Open Hole:
Cluster Kind:
Date Completed: 9/1/2004
Remarks:
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

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

Overburden and Bedrock
Materials Interval

Formation ID: 933018440
Layer: 4
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 05
Mat2 Desc: CLAY
Mat3:
Mat3 Desc:
Formation Top Depth: 9.3
Formation End Depth: 13.5
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 933018437
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: 1.8
Formation End Depth UOM: m

Overburden and Bedrock
Materials Interval

Formation ID: 933018439
Layer: 3
Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 6
Formation End Depth: 9.3

Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 933018438
Layer: 2
Color: 6
General Color: BROWN
Mat1: 05
Most Common Material: CLAY
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 1.8
Formation End Depth: 6
Formation End Depth UOM: m

**Overburden and Bedrock
Materials Interval**

Formation ID: 933018441
Layer: 5
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2:
Mat2 Desc:
Mat3:
Mat3 Desc:
Formation Top Depth: 13.5
Formation End Depth: 15.6
Formation End Depth UOM: m

**Annular Space/Abandonment
Sealing Record**

Plug ID: 933267133
Layer: 1
Plug From: 0
Plug To: 6
Plug Depth UOM: m

**Method of Construction & Well
Use**

Method Construction ID: 964514166
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 11337432
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930865305
Layer: 1

Material: 1
Open Hole or Material: STEEL
Depth From: 0
Depth To: 15.6
Casing Diameter: 15.5
Casing Diameter UOM: cm
Casing Depth UOM: m

Construction Record - Screen

Screen ID: 933412301
Layer: 1
Slot: 12
Screen Top Depth: 13.2
Screen End Depth: 15.6
Screen Material: 1
Screen Depth UOM: m
Screen Diameter UOM: cm
Screen Diameter: 15

Results of Well Yield Testing

Pump Test ID: 11349967
Pump Set At: 15
Static Level: 2.4
Final Level After Pumping: 7.8
Recommended Pump Depth: 13.5
Pumping Rate: 22.5
Flowing Rate:
Recommended Pump Rate: 22.5
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: 11370032
Test Type: Draw Down
Test Duration: 40
Test Level: 7.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370027
Test Type: Draw Down
Test Duration: 50
Test Level: 7.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370033
Test Type: Draw Down
Test Duration: 3
Test Level: 5.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370024
Test Type: Draw Down
Test Duration: 25
Test Level: 7.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370041
Test Type: Draw Down
Test Duration: 15
Test Level: 7.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370029
Test Type: Recovery
Test Duration: 1
Test Level: 6.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370025
Test Type: Recovery
Test Duration: 25
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370036
Test Type: Recovery
Test Duration: 40
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370026
Test Type: Recovery
Test Duration: 2
Test Level: 6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370035
Test Type: Recovery
Test Duration: 50
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370048
Test Type: Draw Down
Test Duration: 30
Test Level: 7.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370043
Test Type: Draw Down
Test Duration: 4
Test Level: 5.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370030
Test Type: Draw Down
Test Duration: 2
Test Level: 4.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370034
Test Type: Draw Down
Test Duration: 60
Test Level: 7.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370044
Test Type: Recovery
Test Duration: 5
Test Level: 4.5
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370031
Test Type: Draw Down
Test Duration: 20
Test Level: 7.8
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370037
Test Type: Recovery
Test Duration: 30
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370045
Test Type: Draw Down
Test Duration: 5
Test Level: 6
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370040
Test Type: Recovery
Test Duration: 15
Test Level: 3.3

Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370039
Test Type: Recovery
Test Duration: 60
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370042
Test Type: Recovery
Test Duration: 10
Test Level: 3.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370028
Test Type: Draw Down
Test Duration: 1
Test Level: 3.9
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370038
Test Type: Recovery
Test Duration: 20
Test Level: 2.7
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370049
Test Type: Recovery
Test Duration: 3
Test Level: 5.4
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370047
Test Type: Draw Down
Test Duration: 10
Test Level: 7.2
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11370046
Test Type: Recovery
Test Duration: 4
Test Level: 5.1
Test Level UOM: m

Water Details

Water ID: 934058975
Layer: 1

Kind Code: 1
Kind: FRESH
Water Found Depth: 15.6
Water Found Depth UOM: m

Hole Diameter

Hole ID: 11542107
Diameter: 16.81
Depth From: 0
Depth To: 15.6
Hole Depth UOM: m
Hole Diameter UOM: cm

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-Feb 28, 2021

Drill Hole Database:Provincial [DRL](#)

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

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

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

Government Publication Date: Jul 31, 2020**Environmental Activity and Sector Registry:**Provincial [EASR](#)

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

Government Publication Date: Oct 2011-Jan 31, 2021**Environmental Registry:**Provincial [EBR](#)

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

Government Publication Date: 1994-Feb 28, 2021**Environmental Compliance Approval:**Provincial [ECA](#)

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

Government Publication Date: Oct 2011- Jan 31, 2021**Environmental Effects Monitoring:**Federal [EEM](#)

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

Government Publication Date: 1992-2007***ERIS Historical Searches:**Private [EHS](#)

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

Government Publication Date: 1999-Jan 31, 2021**Environmental Issues Inventory System:**Federal [EIIS](#)

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial **EMHE**

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

Government Publication Date: Dec 31, 2016

Environmental Penalty Annual Report:

Provincial **EPAR**

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

Government Publication Date: Jan 1, 2011 - Dec 31, 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-Jan 2021

Fisheries & Oceans Fuel Tanks:

Federal **FOFT**

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal **FRST**

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

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial **FST**

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

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

Government Publication Date: Jul 31, 2020

Fuel Storage Tank - Historic:

Provincial

[FSTH](#)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

[GEN](#)

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Jan 31, 2021

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

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

Government Publication Date: 2013-Dec 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 is a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

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

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

[MNR](#)

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

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES):

Federal

[NATE](#)

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

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

[NCPL](#)

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

Government Publication Date: Dec 31, 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-Feb 28, 2021

Ontario Oil and Gas Wells:

Provincial

OOGW

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

Government Publication Date: 1800-Jun 2020

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders:

Provincial

ORD

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

Government Publication Date: 1994-Feb 28, 2021

Canadian Pulp and Paper:

Private

PAP

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

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

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial PES

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

Government Publication Date: Oct 2011-Jan 31, 2021

Pipeline Incidents:

Provincial PINC

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

Government Publication Date: Oct 31, 2020

Private and Retail Fuel Storage Tanks:

Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

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

Government Publication Date: 1994-Feb 28, 2021

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-2016

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

Variations for Abandonment of Underground Storage Tanks:

Provincial [VAR](#)

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

Records are not verified for accuracy or completeness.

Government Publication Date: Jul 31, 2020

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011-Jan 31, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial [WDSH](#)

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial [WWIS](#)

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

Government Publication Date: Apr 30, 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.