

**PHASE ONE
ENVIRONMENTAL SITE ASSESSMENT**

of

5438 Ferry Street, Niagara Falls, ON

For:

1788618 Ontario Inc.



August 30, 2022
Project: E-22-33-1

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Prepared by **Hallex Environmental Ltd.** on behalf of:

1788618 Ontario Inc.

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Date: August 30, 2022

Project #: E-22-33-1

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EXECUTIVE SUMMARY

Hallex Environmental Ltd. was retained by 1788618 Ontario Inc., to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 5438 Ferry Street, Niagara Falls, ON. The objectives of the Phase One ESA were an investigation of the subject property and adjacent lands conducted in accordance with O. Reg. 153/04 as amended, and under the supervision of a Qualified Person in order to determine the likelihood that one or more contaminants may have affected any land and/or water on, in or under the property.

Potentially Contaminating Activities (PCAs), and contaminants or materials of potential concern, if revealed on-site, or at properties located within a 250 m radius of the site, were evaluated as to whether they generated 'Areas of Potential Environmental Concern' (APECs). PCAs are itemized in Schedule D Table 2 of O. Reg 511/09. APECs, if identified, were individually evaluated whether they were triggers for additional investigation via a Phase Two ESA. Additionally, building materials were documented and evaluated regarding the potential need for a Designated Substance and Hazardous Materials Survey.

PHASE ONE ESA SCOPE OF INVESTIGATION

The Phase One ESA scope of investigation includes review of historical background information via examination of:

- Fire Insurance Plans;
- Chain of Title;
- Environmental Risk Information System (EcoLog ERIS);
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology;
- Aerial photographs; and
- Water well records from Ontario Oil, Gas & Salt Resources Library & Ministry of the Environment, Conservation and Parks.

A site reconnaissance is completed to observe site grounds, on-site structures (if applicable), and adjacent properties in order to identify PCAs and APECs. This information is utilized to formulate a preliminary Conceptual Site Model regarding potential contaminants, contaminant migration pathways, and human and/or ecological receptors at the site.

SITE DESCRIPTION

The study site is located in the City of Niagara Falls. It is currently utilized for commercial purposes. The site historically contained two (2) commercial structures and three (3) residential dwellings. The 2-storey commercial structure was constructed pre-1930's with additions occurring in the 1970's and 2010. The commercial building occupies approximate 480m² of the 3689.3m² lot and is situated along the northwestern portion of the site. The study area consisted of commercial and residential properties. The site is fully serviced with municipal sewer and water.

PHASE ONE ESA FINDINGS

The Phase One ESA findings revealed the following:

- Potential designated substances and hazardous materials ie: lead-based paints, and asbestos containing materials were observed within the commercial structure; and
- One (1) on-site and one (1) off-site Potential Contaminating Activity that resulted in two (2) Area of Potential Environmental Concern with the potential to have impacted the study site's soil.
 - ***PCA-1/APEC-1: #30 Importation of Fill Material of Unknown Quality.*** As identified through the aerial photographs, three (3) single family dwellings were present from 1935 until 1965, when the dwellings were demolished. Fill material of unknown quality may have been placed within areas of the previous structure. Target contaminants of concern to the soil include Metals (by ICP), Petroleum Hydrocarbons (PHCs), Benzene Toluene Ethylbenzene Xylene (BTEX), and Polycyclic Aromatic Hydrocarbons (PAHs).
 - ***PCA-2/APEC-2: #28 Gasoline and Associated Products Storage in Fixed Tanks.*** One (1) historical and four (4) current Underground Storage Tanks (USTs) were noted in the FIPs and during site reconnaissance, at 5460 Stanley Avenue, west adjacent property from the study site. The presence of a UST represents a PCA resulting in an on-site APEC. Target contaminants include PHCs, BTEX, and PAHs to have impacted the site's soil and/or groundwater.
- Fifteen (15) additional PCAs were noted within 250 m of the Study Site, however it is unlikely that any contaminants migrating off-site would present an on-site APEC at the study site due to the distance to the site and interpreted groundwater flow direction away from the site.

RECOMMENDATIONS

Based on the above noted findings Hallex therefore recommends:

- 1) A designated substance and hazardous material survey to identify and quantify potential asbestos containing material within the building structure located on-site prior to any renovation/demolition; and**
- 2) A limited Phase Two Environmental Site Assessment to determine the presence/absence of potential contaminants of concern in the soil resulting from fill material and off-site USTs.**

LIST OF ACRONYMS

ACM	Asbestos Containing Materials
APEC	Area of Potential Environmental Concern
AST	Aboveground Storage Tank
BH	Borehole
BTEX	Benzene, Toluene, Ethylbenzene, Xylene
CSM	Conceptual Site Model
DSS	Designated Substance Survey
EC	Electrical Conductivity
EPA	Environmental Protection Act
ESA	Environmental Site Assessment
ERIS	Environmental Risk Information Services
FIP	Fire Insurance Plans
GPR	Ground Penetrating Radar
masl	Metres above sea level
mbgs	Metres below ground surface
MECP	Ministry of the Environment, Conservation and Parks
MOECC	Ministry of the Environment and Climate Change
MNR	Ministry of Natural Resources
MW	Monitoring Well
NPCA	Niagara Peninsula Conservation Authority
NPRI	National Pollutant Release Inventory
OC/OCP	Organochlorine Pesticides
PAH	Polycyclic Aromatic Hydrocarbons
PCA	Potentially Contaminating Activity
PCB	Polychlorinated Biphenyl
PCE	Perchloroethylene (tetrachloroethylene)
pH	Power of Hydrogen
PHC	Petroleum Hydrocarbons
QA/QC	Quality Assurance/Quality Control
QP	Qualified Person
RA	Risk Assessment
RSC	Record of Site Condition
SAR	Specific Absorption Rate
SCS	Site Condition Standard
SVOC	Semi-Volatile Organic Compounds
TP	Test Pit
UST	Underground Storage Tank
VOC	Volatile Organic Compounds

Potentially Contaminating Activities (PCAs)
Schedule D Table 2 of O. Reg 511/09



PCA#	Description	PCA#	Description
1	Acid and Alkali Manufacturing, Processing and Bulk Storage	31	Ink Manufacturing, Processing and Bulk Storage
2	Adhesives and Resins Manufacturing, Processing and Bulk Storage	32	Iron and Steel Manufacturing and Processing
3	Airstrips and Hangars Operation	33	Metal Treatment, Coating, Plating and Finishing
4	Antifreeze and De-icing Manufacturing and Bulk Storage	34	Metal Fabrication
5	Asphalt and Bitumen Manufacturing	35	Mining, Smelting and Refining; Ore Processing; Tailings Storage
6	Battery Manufacturing, Recycling and Bulk Storage	36	Oil Production
7	Boat Manufacturing	37	Operation of Dry-Cleaning Equipment (where chemicals are used)
8	Chemical Manufacturing, Processing and Bulk Storage	38	Ordnance Use
9	Coal Gasification	39	Paints Manufacturing, Processing and Bulk Storage
10	Commercial Autobody Shops	40	Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-Scale Applications
11	Commercial Trucking and Container Terminals	41	Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
12	Concrete, Cement and Lime Manufacturing	42	Pharmaceutical Manufacturing and Processing
13	Cosmetics Manufacturing, Processing and Bulk Storage	43	Plastics (including Fibreglass) Manufacturing and Processing
14	Crude Oil Refining, Processing and Bulk Storage	44	Port Activities, including Operation and Maintenance of Wharves and Docks
15	Discharge of Brine related to oil and gas production	45	Pulp, Paper and Paperboard Manufacturing and Processing
16	Drum and Barrel and Tank Reconditioning and Recycling	46	Rail Yards, Tracks and Spurs
17	Dye Manufacturing, Processing and Bulk Storage	47	Rubber Manufacturing and Processing
18	Electricity Generation, Transformation and Power Stations	48	Salt Manufacturing, Processing and Bulk Storage
19	Electronic and Computer Equipment Manufacturing	49	Salvage Yard, including automobile wrecking
20	Explosives and Ammunition Manufacturing, Production and Bulk Storage	50	Soap and Detergent Manufacturing, Processing and Bulk Storage
21	Explosives and Firing Range	51	Solvent Manufacturing, Processing and Bulk Storage
22	Fertilizer Manufacturing, Processing and Bulk Storage	52	Storage, maintenance, fueling and repair of equipment, vehicles, and material used to maintain transportation systems
23	Fire Retardant Manufacturing, Processing and Bulk Storage	53	Tannery
24	Fire Training	54	Textile Manufacturing and Processing
25	Flocculants Manufacturing, Processing and Bulk Storage	55	Transformer Manufacturing, Processing and Use
26	Foam and Expanded Foam Manufacturing and Processing	56	Treatment of Sewage equal to or greater than 10,000 litres per day
27	Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles	57	Vehicles and Associated Parts Manufacturing
28	Gasoline and Associated Products Storage in Fixed Tanks	58	Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
29	Glass Manufacturing	59	Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products
30	Importation of Fill Material of Unknown Quality		

TABLE OF CONTENTS

EXECUTIVE SUMMARYi
 LIST OF ACRONYMS..... iii
 LIST OF POTENTIALLY CONTAMINATING ACTIVITIES.....iv

1.0 INTRODUCTION.....4
 1.1 Phase One Property Information 4
 1.2 Limitations and Exceptions of Report..... 4

2.0 SCOPE OF INVESTIGATION5
 2.1 Procedures 5

3.0 RECORDS REVIEW.....6
 3.1 General 6
 3.1.1 Phase One Study Area Determination 6
 3.1.2 First Developed Use Determination 6
 3.1.3 Fire Insurance Plans 6
 3.1.4 Chain of Title..... 8
 3.1.4.1 City Directory Search 8
 3.2 Environmental Source Information 8
 3.3 Physical Setting 10
 3.3.1 Aerial Photographs 10
 3.3.2 Topography, Hydrology, Geology..... 11
 3.3.3 Fill Materials 12
 3.3.4 Water Bodies and Areas of Natural Significance..... 12
 3.3.5 Well Records 12

4.0 INTERVIEW13

5.0 SITE RECONNAISSANCE14
 5.1 General Requirements 14
 5.2 Specific Observations at Phase One Property 14
 5.2.1 Exterior Observations 14
 5.2.2 Interior Observations 15
 5.2.3 Potential Designated Substance and Hazardous Materials..... 16
 5.2.3.1 Asbestos Containing Material (ACM)..... 16
 5.2.3.2 Lead 16
 5.3 Surrounding Properties in the Phase One ESA Study Area 16

6.0 REVIEW AND EVALUATION OF INFORMATION17
 6.1 Current and Past Uses – Subject Site 17
 6.2 Potentially Contaminating Activities..... 17
 6.2.1 Historical On-site PCAs 17
 6.2.2 Recent On-site PCAs 17
 6.2.3 Adjacent Sites PCAs..... 17
 6.2.4 Study Area PCAs..... 18
 6.3 Areas of Potential Environmental Concern 19
 6.4 Phase One Conceptual Site Model 20

7.0 CONCLUSIONS & RECOMMENDATIONS.....21

8.0 AUTHOR23

9.0 REFERENCES24

FIGURES

- Figure 1: Site Location
- Figure 2: Adjacent Land Uses
- Figure 3: Site Layout
- Figure 4a: Potentially Contaminating Activities within Study Area
- Figure 4b: Areas of Potential Environmental Concern

APPENDICES

- Appendix A: Fire Insurance Plans
- Appendix B: Chain of Title
- Appendix C: Vernon's City Directory
- Appendix D: Ministry of Natural Resources Natural Heritage Map
- Appendix E: EcoLog ERIS
- Appendix F: Aerial Photographs
- Appendix G: Ontario Oil, Gas & Salt Resources Library as well as the Ministry of the Environment, Conservation and Parks Water Well Records
- Appendix H: Record of Interview
- Appendix I: Site Photograph Log

1.0 INTRODUCTION

Hallex Environmental Ltd. was retained by 1788618 Ontario Inc. to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 5438 Ferry Street, Niagara Falls, ON (study site). The environmental work was requested by the City of Niagara Falls as indicated in the pre-consolation checklist. As future plans may include site re-development the Phase One ESA was completed in accordance with O. Reg. 153/04 as amended, for future use in submission of a Record of Site Condition with the Ministry of the Environment, Conservation and Parks (MECP), if required. The site location is shown on Figure 1 and the site layout and adjacent land uses are depicted on Figure 2.

1.1 Phase One Property Information

Municipal address:	5438 Ferry Street, Niagara Falls, ON
Property Identifier Number (PIN)	64348-0013 (LT)
Client(s):	1788618 Ontario Inc.
UTM co-ordinates:	Zone: 17T, Northing: 4,772,524.17 Easting: 655,933.65
Elevation:	188 masl
Approx. site area:	3,702 m ²

1.2 Limitations and Exceptions of Report

Hallex Environmental Ltd. prepared this report for the account of: 1788618 Ontario Inc. The material in it reflects Hallex Environmental Ltd.'s best judgement based on the information discovered at the time of preparation, within the Phase One ESA scope of work. The investigative procedures and format of this report generally follow the guidelines established in: Part XV.1 of the Environmental Protection Act, per O. Reg. 153/04, as amended. Any information presented concerning materials at the site is based on information gathered during historical document search and site reconnaissance only. There may be materials and/or subsurface soil and/or groundwater conditions on-site, which are not represented by these non-invasive investigations. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. Hallex Environmental Ltd. accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

Declaration: Hallex Environmental Ltd., and its' Officers and Directors, declare no conflicting business or interests with the client or the subject property.

2.0 SCOPE OF INVESTIGATION

The objectives of the Phase One ESA were an investigation of the subject property and adjacent lands conducted in accordance with O. Reg. 153/04 as amended, and under the supervision of a Qualified Person in order to determine the likelihood that one or more contaminants may have affected any land and/or water on, in or under the property. Potentially Contaminating Activities (PCAs), and contaminants or materials of potential concern, if revealed on-site, or at properties located within a 250 m radius of the site, were evaluated as to whether they generated 'Areas of Potential Environmental Concern' (APECs). PCAs are itemized in Schedule D Table 2 of O. Reg 511/09. APECs if identified were individually evaluated whether they were triggers for additional investigation via a Phase Two ESA. Additionally, building materials were documented and evaluated regarding the potential need for a Designated Substance and Hazardous Materials Survey.

2.1 Procedures

The Phase One ESA scope of investigation includes review of historical background information via examination of:

- Fire Insurance Plans;
- Chain of Title;
- Vernon's City Directory Search;
- Environmental Risk Information System (EcoLog ERIS);
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology;
- Aerial photographs; and
- Water well records from Ontario Oil, Gas & Salt Resources Library & Ministry of the Environment, Conservation and Parks.

A site reconnaissance was completed to observe site grounds, on-site structures (if applicable), and adjacent properties in order to identify PCAs and APECs. This information is utilized to formulate a preliminary Conceptual Site Model regarding potential contaminants, contaminant migration pathways, and human and/or ecological receptors at the site.

3.0 RECORDS REVIEW

3.1 General

3.1.1 Phase One Study Area Determination

Interpretation of the results of the Vernon's City Directory Search (Vernon's), review of Fire Insurance Plans (FIPs), EcoLog ERIS data-based information, air photograph interpretation, and other historic environmental documents, in addition to the site investigation, revealed that it was not necessary to expand the data search beyond a 250 m radius of the property, the minimum area of study.

3.1.2 First Developed Use Determination

The first developed land use, as determined through historical documents research and aerial photographs dating to 1934, was for commercial / residential use.

3.1.3 Fire Insurance Plans

Two (2) Fire Insurance Plans were purchased through Enviroscan, one (1) dated 1932 and the other dated 1965. Both plans depicted the study site and the study area.

The 1932 plan depicted the site as a commercial property, operating as a plumbing supply store, with two (2) dwellings at the south end of the Study Site. The following PCAs within the study area are highlighted below:

- Hydroelectric substation (Transformers off-site), at 1556 Spring Street (currently known as 5544 Spring Street), approximately 181m northwest from the study site.
- Automotive shop located at 5375 Ferry Street, approximately 40m northeast from the study site.
- One (1) USTs located at a Garage located 5355 Ferry Street approximately 167m east from the study site.
- Gasoline service station with three (3) USTs located at 5291 Victoria Avenue, approximately 203.1m east from the study site.
- Automotive shop located at 5375 Ferry Street approximately 72.8m east from the study site.
- One (1) USTs located at a garage at 5528 Ferry Street approximately 140m west from the study site.

- Automotive shop located at 5972 Stanley Ave, approximately 174.7m south from the study site.
- Scrap metal yard located at 6080 Fallsview Blvd, approximately 245m southeast from the study site.
- Five (5) Oil USTs identified at a refueling depo located at 6008 Clark Ave, approximately 250m southeast from the site.
- Coal and coke storage bins, located at 5976 Clark Ave, approximately 240m southeast from site.
- Coal shed was observed at 5234 Ferry Street, approximately 240m east-southeast from the study site.
- Automotive shop was identified at 5234 Ferry Street, approximately 250m east-southeast from the study site.

In the 1965 plan, the study site is developed with five (5) buildings identified on-site and in use for commercial and residential purposes. The 1965 plan depicts two (2) restaurants operating within the study site, along with two (2) dwellings and one (1) garage. An Auto Service station appears at the west adjacent site, with one (1) UST identified onsite. With some commercial developments at the south adjacent site. The PCAs identified throughout the 1965 FIP are highlighted below.

- One (1) USTs was identified at an automotive shop located just to the west of the study site. The automotive shop is located at 5460 Ferry Street, approximately 48.1m west from the study site.
- Car wash was located at 5500 Ferry Street, approximately 98.6m west from the study site.
- Automotive shop located at 6004 Stanley Ave, approximately 141m from the study site.
- Hydroelectric substation (Transformers off-site), at 1556 Spring, approximately 181m northwest from the study site.
- Automotive Junkyard located at 5731 Stanley Ave, approximately 211m northwest from the study site.
- Automotive shop located at 5736 Stanley Ave, approximately 234.7m northwest from the study site.
- Two (2) USTs were located at an automotive shop located at 5317 Ferry Street, approximately 162m northeast from the study site.

- Foundry was identified at 2029 Clarke Ave (currently 6000 Clarke Ave), located 233.3m from the study site.

Each of these land uses are considered PCAs however, due to distance to the study site and inferred groundwater flow direction, only the western USTs are considered APECs. The FIPs are located in Appendix A.

3.1.4 Chain of Title

A chain of title was obtained from *Terranet Express* for the study site known as Property Identifier Number (PIN) 64348-0013 (LT). The chain of title covers the period from 1999 to present. Landownership was confirmed as belonging to 1788618 Ontario Inc. dating from 2011 to current. The parcel was transferred to various owners, which included: Peter Rodney Schenck. A copy of the Chain of Title is included in Appendix B.

3.1.4.1 City Directory Search

The Vernon’s City Directories were reviewed for the study site and study area. The search was conducted at Brock University in 1-year increments, with records available from 1946 – 1981 for the City of Niagara Falls. The study site was listed as a Plumbing Supply store from 1946 – 1959. As of 1966 there were two (2) restaurants operating at the address, along with Niagara Wig Creations and multiple residential properties. The two independent restaurants operated on-site from 1966 - 1981. A summary table of the Vernon’s research is provided in Appendix C.

3.1.5 Environmental Reports

One (1) previous report was completed in 2010; however, the client did not have a copy of this report to provide to Hallex Environmental Ltd. to review concerning the Study Site.

3.2 Environmental Source Information

The following agency databases and documents were reviewed where available and discussed further where necessary, for information regarding the study site and the surrounding area to determine the presence of any activity or material of potential environmental concern.

Source	Description of Data Analysis
National Pollutant Release Inventory (NPRI)	No pertinent information was gleaned from NPRI database regarding the subject site or adjacent properties. Several sites were listed in Niagara Falls; however, they were not within the Study Area (250 m).
PCB Waste Storage Inventory	A review of the “Ontario Inventory of PCB Storage Sites” (MOE July 2000) indicated the Study Site was not a registered PCB storage site. Adjacent sites were also not listed in the PCB Inventory. Fourteen (14)

Source	Description of Data Analysis
	sites were listed in Niagara Falls outside of the Study Area.
Environmental Registry of Ontario	A search was conducted on the Environmental Registry database relating to policy, regulation, act, instrument, bulletin, and appeal. Special attention was taken for Environmental Compliance Approvals (ECAs), Permits to Take Water, and Certificates of Property Use (CPU). One (1) record was found pertaining to 5510 Ferry Street. Permit No. 6761-BYGT5Y was issued for La Pue International Inc on March 5, 2021 for short term construction dewatering from a well located on the property.
Coal Gasification Plants	A review of the “Inventory of Coal Gasification Plant Waste Sites” (MOE, April 1989) did not identify any former coal gasification plants for the Study Site or within the Study Area. Only one plant was listed within the Niagara Region, located in St. Catharines.
Waste Disposal Site Inventory	Review of the MOE Waste Disposal Site Inventory, June 1991 did not indicate any historic waste disposal sites in the Study Area. Closed waste disposal sites were associated with numerous industrial sites in Niagara Falls, as well as municipal waste disposal sites; however, these sites were outside the Study Area and were not expected to impact the Study Site.
Waste Management Records	No waste management records were available for the Study Site.
Record of Site Condition (RSC)	Hallex searched the Brownfield Environmental Site Registry, see section 3.1.4 for additional information on the records found.
Ministry of Natural Resources (MNR)	No Areas of Natural Significance (ANSIs) were identified at the subject site according to MNR on-line records. A map showing the MNR Natural Heritage Areas is provided in Appendix D.

3.1.4 Record of Site Condition

Hallex searched the Brownfield Environmental Site Registry and Record of Site Condition (RSC) and found documentation of Phase One & Two RSCs conducted at 5329 Ferry Street, 5687 Ferry Street, 5536 Ferry Street, and 5807 Ferry Street.

5329 Ferry Street

The report did not indicate any Table 3 soil exceedances from the sampling plan. 602 cubic metres of soil was removed from the site during remediation. The property is within the study area however would not impact the study site.

5687 Ferry Street

The RSC report indicated no Table 3 exceedances from the lab results. 886 m² of soil was removed from the site during remediation. The property is within the study area however would not impact the study site.

5536 Ferry Street

The RSC report indicated no Table 2 exceedances from the lab results. It was reported that no soil was removed from the site during remediation. The property is within the study area however would not impact the study site.

5807 Ferry Street

The RSC report indicated no Table 2 exceedances from the lab results. It was reported that no soil was removed from the site during remediation. The property is within the study area however would not impact the study site.

3.2.1 EcoLog ERIS Database

The EcoLog ERIS report returned seventy-three (73) environmental records, zero (0) of the records were affiliated with the study site and seventy-three (73) from within 0.25 km of the study site. Records of significance have been summarized below, with the full EcoLog ERIS report located in Appendix E.

Municipal Address	Company	EcoLog ERIS Record	Description	Distance (m) from Study Site	PCA and/or APEC to Study Site
5460 Ferry Street	Beaver Fuels Management Ltd.	PRT, RST, FSTH, SPL, DTNK GEN	Beaver gas bar and retail store. Spill was reportedly from Harmac Transportation Inc. due to apparent negligence	33.5 m WSW	PCA resulting in an APEC
5523 Spring Street	Private Residence	SPL	Tank with heating oil corrosion, possible soil contamination	210.3 m NW	PCA not resulting in an on-site APEC

DTNK = Delisted Fuel Tanks, FSTH = Fuel Storage Tank – Historic, GEN = Ontario Regulation 347 Waste Generators, PRT = Private and Retail Fuel Storage Tanks, RST = Retail Fuel Storage Tanks, SPL = Ontario Spills, Tanks, CDRY = Drycleaners.

3.3 Physical Setting

3.3.1 Aerial Photographs

Aerial photographs from 1935, 1955, 1965, 1970, 1990, 2002, 2010, and 2020 were examined and revealed that the Study Site was a mix of residential and commercial from at least 1935 until 2010 when the last residential structure was demolished leaving the site as commercial to present day. The Study Area was a mix of residential, commercial and institutional. Aerial photographs are contained in Appendix F, with brief summaries provided below.

Date	Comments
1935	The Study Site illustrated two (2) commercial buildings along the northern portion of the site, one (1) dwelling along the northwest corner and two (2) residential dwellings southeast on the study site. Residential dwellings were noted west, east and south of the study site. North of the study site was residential and commercial structures. The majority of the Study Area during this time appears highly developed for residential and commercial purposes.

Date	Comments
1955	No change to the study site. The study area was highly developed for commercial purposes along Ferry Street and the eastern side of Stanley, with residential further north and south within the study area. The gas station at 5460 Ferry Street, west of the study site, is noticeable with one (1) pump island northwest of the structure.
1965	The one (1) commercial structure along the northwest portion of the study site underwent some renovations adding a covered patio section east of the building. The residential properties north of the site were demolished and replaced with two (2) motel structures. No other significant change was noted to the study site or study area.
1970	Two (2) dwellings, one (1) in the northwest corner and one (1) in the southeast corner of the study site were demolished. The gas station west of the study site underwent some renovations with the structure appearing half the size and the pump islands noted north central of the site. No other significant change was noted to the study site or study area.
1990	The residential dwelling at the west adjacent property was demolished and replaced with a commercial structure. Some other residential dwellings along the southern portion of the study area were also demolished. No other significant change was noted to the study site or study area.
2002	No significant change noted on-site or within the study area.
2010	The residential building in the southeast corner of the study site was demolished and paved for parking. Some exterior features of the commercial building in the northeast corner were also removed. The gas station west of the study site underwent some renovations as well adding a steel canopy over the pump islands. The two (2) motel structures north of the site were demolished, leaving a commercial building and a large parking lot. No other significant change was noted to the study site or study area.
2020	The commercial building located on the eastern portion of the study site was demolished. One (1) commercial structure (Bravo) remained on-site. No other significant change was noted to the study site or study area.

3.3.2 Topography, Hydrology, Geology

Topography

Ontario Base Map was reviewed for the Phase One study area. The geodetic ground surface elevation of the site is approximately 185 meters above sea level (masl). The study site had a significant slope from the front of the building to the rear of the property (west to the east-northeast). The overall study area slope is approximately 0.85% northeast.

Geology and Physiography

The Phase One property and area is generally characterized as sand plains (Chapman and Putnam, 1984. Map: P.2715). Review of the maps “*Quaternary Geology of Ontario – Southern Sheet*” (Ontario Geological Survey Map 2556), and *Bedrock Geology of Ontario* (Ontario Geological Survey Map 2544) indicated that the subject site overburden was underlain by bedrock noted as part of the Lockport Formation. The approximate depth to bedrock, as documented from surrounding well records is at 14.32 mbgs (metres below ground surface) and consisted of limestone.

Hydrology:

The depth to the water table is not specifically known for the site. Surface water drainage would be into catch basins on-site and municipal sewers along Ferry Street and Fallsview blvd. The overall groundwater flow for the area is inferred as southeast towards the Niagara River. The site is noted to be within the Niagara Falls Urban Watershed.

3.3.3 Fill Materials

As identified through aerial photo research and FIPs, three (3) single family dwellings were on-site and were been removed over the history of the Phase One study site. Fill may have been placed in the locations of the former structures in the basement area.

3.3.4 Water Bodies and Areas of Natural Significance

No water bodies and/or areas of natural significance are located on or adjacent to the study site. The Niagara River is located approximately 0.79 km southeast of the site.

3.3.5 Well Records

A review of the water well records from Ontario Oil, Gas & Salt Resources Library as well as the Ministry of the Environment, Conservation and Parks (MECP) well records revealed that there was no relevant data pertaining to the study site. Twenty-eight (28) records were available from within the study area (250 m radius), with several containing no pertinent information. Each record can contain information pertaining to date of installation, well use, type of stratigraphy encountered and groundwater levels. The stratigraphy within the well record was described as follows:

Well ID: 7174200	
Location: Approximately 30 m west from study site	
Depth (mbgs)	Stratigraphy
0 – 0.31	Black asphalt
0.31 – 1	Brown Sand and Gravel (loose)
1 – 4.2	Red/brown sand (soft)

Mbgs = meters below ground surface

Details of the well records are located in Appendix G.

3.4 Site Operating Records

There were no applicable site operating records available for review.

4.0 INTERVIEW

On August 3rd, 2022, during site reconnaissance, an interview was conducted with Mr. Rick Dritsacos, one of the current owners of the Phase One ESA property. The information gathered from the interviewed party is considered accurate and is consistent with the historical records review for the Phase One ESA property and adjacent sites. The following is a summary of the information provided to Hallex:

- The site is currently owned by Mr. Paul Lalos and Mr. Rick Dritsacos.
- Mr Dritsacos had explained that the property operated as the Capri restaurant for nearly sixty (60) years, and changed to Bravo! Pizzeria in 2009.
- The property was purchased by the company 1788618 Ontario Inc. approximately 11 years ago. Mr. Dritsacos explained that the restaurant underwent renovations in June 2010.
- Mr. Dritsacos indicated that when they purchased the property the commercial structure at along northeast corner of the property was utilized as a restaurant and motel. Shortly after owning it they demolished this building and stated that there was only a crawl space along the eastern site while the rest was slab on grade. No fill material was brought on-site.
- A Phase One and Two ESA was completed in 2010; however, the client was unable to find the report to provide it to Hallex.

The full record of interview is located in Appendix H.

5.0 SITE RECONNAISSANCE

5.1 General Requirements

The site investigation took place on August 3rd, 2022 at approximately 1:00pm and was conducted by Hallex staff members Nicole Metz, Connor Dodsworth and Maddie Calvert and overseen by Kevin Christian, *Qualified Person*. The Phase One property is not considered an Enhanced Investigation Property (EIP). The weather conditions during site reconnaissance were clear and sunny, approximately 29 °C and all areas of the Phase One property were accessible.

5.2 Specific Observations at Phase One Property

The purpose of the site reconnaissance was to identify any PCAs and/or APECs that could present the potential for contaminant sources available for migration via air, surface drainage, soil, and/or groundwater flow to human and/or ecological receptors. A photo log highlights the site in addition to surrounding land uses and is provided in Appendix I. Findings are summarized below and discussed further where necessary. Site layout is illustrated in Figure 3, including annotation to the photographs taken during site reconnaissance.

5.2.1 Exterior Observations

- There is currently one (1) building on-site (Photo 1).
- No ASTs/USTs were found on-site
- Below-ground structures and utilities were unknown at the time of site reconnaissance, including the type and locations of water, sewer, electrical, gas, etc.
- There were no potable groundwater sources located at the Study Site.
- There were three (3) ground water monitoring wells identified on-site.
- The ground cover at the Site consisted of concrete. (Photos 1-4)
- The site occupies an area of approximately 3689.3m² of land.

Exterior Focus Items	Exterior Location / Description
Storage tanks (AST/UST)	None observed
Wells	Three (3) monitoring wells identified on-site.
Wastewater	Municipal
Pits and lagoons	None observed
Stained materials	None observed
Stressed vegetation	None observed
Fill	None observed
Surface Water	None observed
Watercourses, ditches	None observed
Equipment	None observed
Debris	None observed
Chemical storage	None observed

5.2.2 Interior Observations

The building has one main floor at street level and no basement. It occupies approximately 480 m² of the 3689.3m² of the study site. The building was constructed of poured concrete and cinder block and had a flat rolled roof. Major renovations were completed in 2010. The main floor had been renovated in 2010 with laminate or ceramic tile flooring, drywall and laminate walls and drywall or ceiling tiles on the ceiling.

Floor	Surface	Construction Materials	Notes
1 st	<ul style="list-style-type: none"> Walls 	<ul style="list-style-type: none"> Painted drywall, public area with laminate walls. 	None.
	<ul style="list-style-type: none"> Floors 	<ul style="list-style-type: none"> Ceramic tiles and laminate. 	
	<ul style="list-style-type: none"> Ceilings 	<ul style="list-style-type: none"> Drywall, painted and stucco. 	

Interior Focus Items	Interior Location & Description
UFFI (urea formaldehyde foam insulation)	None observed
PCB's (polychlorinated biphenyl)	None observed.
Ozone Depleting Substances	None observed
Designated Substances under O. Reg 490/09 of the Occupational Health and Safety Act, including:	
<i>Acrylonitrile</i>	None observed
<i>Isocyanates</i>	None observed
<i>Arsenic</i>	None observed
<i>Lead (Paint)</i>	The presence of lead-based paint could exist given the age of the original building.
<i>Asbestos Containing Materials (ACM)</i>	Potential ACM was noted on materials, as the major renovations were conducted in 2010. However, potential ACM could be insulation and roofing materials.
<i>Mercury</i>	Observed within thermostat.
<i>Benzene</i>	None observed
<i>Silica</i>	Building materials
<i>Ethylene Oxide</i>	None observed
<i>Vinyl Chloride</i>	None observed
Radon	Survey not conducted
Mould	None observed
Water damage	
Noise	None observed
Electromagnetic field sources	None observed
Heating and cooling systems	Natural Gas
Drains and sumps	None observed
Hydraulic equipment	None observed
Chemical storage	None observed
Odours	None observed

5.2.3 Potential Designated Substance and Hazardous Materials

5.2.3.1 Asbestos Containing Material (ACM)

Potential Asbestos Containing Materials could be in materials such as insulation and roofing material as those were not observed during the site visit. Asbestos is classified as a Designated Substance under the Occupational Health and Safety Act, and regulated under O. Reg. 490/09.

5.2.3.2 Lead

The potential for the presence of lead-based paint was documented due to the age of the original building (pre 1930’s). Lead is classified as a Designated Substance under O. Reg. 843 of the Occupational Health and Safety Act.

5.3 Surrounding Properties in the Phase One ESA Study Area

The surrounding land uses were a mix of commercial, industrial, and undeveloped lots (as seen in Photos 9-15), with some residential lots located within the Study Area. Further descriptions of surrounding property uses are presented below.

Description	Current Use	Past Use	Source used
Adjacent/ Surrounding Properties:	<p>North: Ferry Street and commercial property (AlMacs Buffet)</p> <p>South: Commercial property (Hotels)</p> <p>East: Fallsview Blvd. and Commercial (Souvenirs shop)</p> <p>West: Commercial (Potato Jackets and Gas Station)</p>	<p>North: Ferry Street and commercial property (AlMacs Buffet)</p> <p>South: Commercial property (Hotels) & residential.</p> <p>East: Fallsview Blvd. and Commercial (Souvenir shop)</p> <p>West: Commercial (Potato Jackets and Shell Gas Station)</p>	<p>Historical document research, aerial photos and site investigation (August 2022).</p>

6.0 REVIEW AND EVALUATION OF INFORMATION

6.1 Current and Past Uses – Subject Site

The historic documents research and the site reconnaissance revealed the Study Site had been developed for residential and commercial purposes from at least 1935 until 2010 when the last residential structure was demolished leaving the site as commercial to present day.

6.2 Potentially Contaminating Activities

Analysis of the historical research, and information gathered during site reconnaissance, was used to determine if there were any PCAs, current or historic, found on-site and/or within the Study Area that may have resulted in creating one (1) on-site APEC. PCA's within the study area are depicted in Figure 4a.

6.2.1 Historical On-site PCAs

One (1) historical PCA was identified at the study site.

PCA-1/APEC-1: #30 Importation of Fill Material of Unknown Quality. As identified through the aerial photographs, three (3) single family dwellings were present from 1935 until 1965, when the dwellings were demolished. Fill material of unknown quality may have been placed within areas of the previous structure. Target contaminants of concern to the soil include Metals (by ICP), Petroleum Hydrocarbons (PHCs), Benzene Toluene Ethylbenzene Xylene (BTEX), and Polycyclic Aromatic Hydrocarbons (PAHs).

6.2.2 Recent On-site PCAs

No recent PCA were identified at the study site.

6.2.3 Adjacent Sites PCAs

One (1) PCA were identified at adjacent sites to the Phase One property.

PCA-2/APEC-2: #28 Gasoline and Associated Products Storage in Fixed Tanks. One (1) historical and four (4) current Underground Storage Tanks (USTs) were noted in the FIPs and during site reconnaissance, at 5460 Stanley Avenue, west adjacent property from the study site. The presence of a UST represents a PCA resulting in an on-site APEC. Target contaminants include PHCs, BTEX, and PAHs to have impacted the site's soil and/or groundwater.

6.2.4 Study Area PCAs

Fifteen (15) additional PCAs were noted within 250 m of the study site, however it is unlikely that any contaminants migrating off-site would present an on-site APEC at the study site due to the distance to the site and interpreted groundwater flow direction. Further details regarding these properties are provided below.

Business Type	PCA (Schedule D)	Address	Reason for discounting
Car Wash	PCA-3: #50 Soap and Detergent Manufacturing, Processing and Bulk Storage	5500 Ferry Street	<ul style="list-style-type: none"> • 98.6m west of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
-	PCA: 4: #28 Gasoline and Associated Products Storage in Fixed Tanks	5528 Ferry Street	<ul style="list-style-type: none"> • 140m west of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
-	PCA: 5: #55 Transformer Manufacturing, Processing and Use	1556 Spring Street	<ul style="list-style-type: none"> • 181m north of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
-	PCA: 6: #49 Salvage Yard, including automobile wrecking	5731 Stanley Avenue	<ul style="list-style-type: none"> • 211m northwest of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
Garage	PCA: 7: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles	5736 Stanley Avenue	<ul style="list-style-type: none"> • 234.7m northwest of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
Garage	PCA: 8: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles	5375 Ferry Street	<ul style="list-style-type: none"> • 40m northeast of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
Automotive Shop	PCA: 9: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles	5317 Ferry Street	<ul style="list-style-type: none"> • 162m northeast of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
	PCA-10: #28 Gasoline and Associated Products Storage in Fixed Tanks		
-	PCA: 11: #28 Gasoline and Associated Products Storage in Fixed Tanks	5355 Ferry Street	<ul style="list-style-type: none"> • 167m east of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation

Business Type	PCA (Schedule D)	Address	Reason for discounting
-	PCA: 12: <i>Other: Coal Yard</i>	5976 Clark Ave	<ul style="list-style-type: none"> • 240m southeast of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
-	PCA: 13: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles	6004 Stanley Avenue	<ul style="list-style-type: none"> • 141m South of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
Gasoline Service Station	PCA: 14: #28 Gasoline and Associated Products Storage in Fixed Tanks	5291 Victoria Street	<ul style="list-style-type: none"> • 203.1m east of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
Garage	PCA: 15: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles	5234 Ferry Street	<ul style="list-style-type: none"> • 250m west of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
Metal Scrap Yard	PCA: 16: #49 Salvage Yard, including automobile wrecking	6080 Fallsview Blvd	<ul style="list-style-type: none"> • 245m southeast of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation
-	PCA: 17: #28 Gasoline and Associated Products Storage in Fixed Tanks	6008 Clark Avenue	<ul style="list-style-type: none"> • 250m southeast of study site • Inferred northeast groundwater flow direction for study area • Cross-gradient from study site, and lower elevation

Other land uses within the study area North, South, East, and West of the study site did not exhibit visible items of concern that would constitute PCAs relevant to the subject site regarding potential for impact to soil and/or groundwater.

6.3 Areas of Potential Environmental Concern

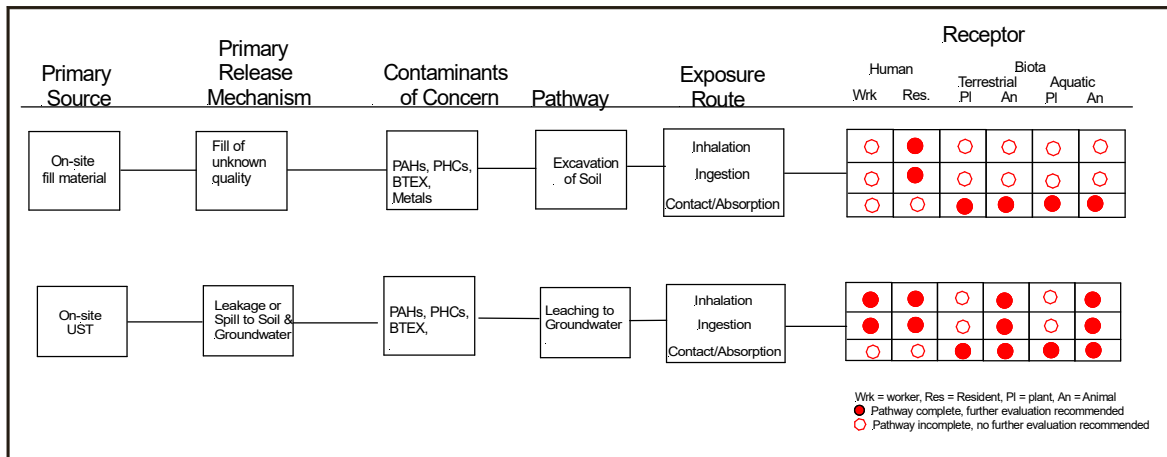
Two (2) previously described PCAs were determined to create on-site APECs with the potential to impact the Phase One study site's soil, groundwater, and/or sediment. On-site APECs are illustrated in Figure 4b, with further details provided below in table format.

Areas of Potential Environmental Concern ¹	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity ²	Location of PCA (on-site or off-site)	Contaminants of Potential Concern ³	Media Potentially Impacted (Ground water, soil and/or sediment)
APEC-1	Northwest and southeast areas	#30 Importation of Fill Material of Unknown Quality	On-site	PHCs, PAHs, BTEX & Metals	Soil
APEC-2	Western area	#28 Gasoline and Associated Products in Fixed Tanks	Off-site	PHCs, PAHs, & BTEX	Soil and Groundwater

The Phase One research is considered valid with no absence of information and was completed in full and considered accurate in determining the APECs located on-site.

6.4 Phase One Conceptual Site Model

The conceptual site model qualitatively considers the potential interaction of primary sources of environmental concern, with suspected contaminants of concern, and the pathway(s) and exposure route(s) to the receptors. Target contaminants of PHCs, BTEX, Metals (by ICP) and PAHs were identified with potential migration pathways to human and/or biota receptors.



7.0 CONCLUSIONS & RECOMMENDATIONS

Hallex Environmental Ltd. was retained by 1788618 Ontario Inc., to conduct a Phase One Environmental Site Assessment (ESA) of the property located at 5438 Ferry Street, Niagara Falls, ON. The objectives of the Phase One ESA were an investigation of the subject property and adjacent lands conducted in accordance with O. Reg. 153/04 as amended, and under the supervision of a Qualified Person in order to determine the likelihood that one or more contaminants may have affected any land and/or water on, in or under the property.

Potentially Contaminating Activities (PCAs), and contaminants or materials of potential concern, if revealed on-site, or at properties located within a 250 m radius of the site, were evaluated as to whether they generated 'Areas of Potential Environmental Concern' (APECs). PCAs are itemized in Schedule D Table 2 of O. Reg 511/09. APECs, if identified, were individually evaluated whether they were triggers for additional investigation via a Phase Two ESA. Additionally, building materials were documented and evaluated regarding the potential need for a Designated Substance and Hazardous Materials Survey.

PHASE ONE ESA SCOPE OF INVESTIGATION

The Phase One ESA scope of investigation included review of historical background information via examination of:

- Fire Insurance Plans;
- Chain of Title;
- Vernon's City Directory Search;
- Environmental Risk Information System (EcoLog ERIS);
- Mapping resources including: Niagara Navigator Thematic, MNR Heritage Area, Topographic, Quaternary, Bedrock and Geology;
- Aerial photographs; and
- Water well records from Ontario Oil, Gas & Salt Resources Library & Ministry of the Environment, Conservation and Parks.

A site reconnaissance was completed to observe site grounds, on-site structures (if applicable), and adjacent properties in order to identify PCAs and APECs. This information was utilized to formulate a preliminary Conceptual Site Model regarding potential contaminants, contaminant migration pathways, and human and/or ecological receptors at the site.

PHASE ONE ESA FINDINGS

The Phase One ESA findings revealed the following:

- Potential designated substances and hazardous materials ie: lead-based paints, and asbestos containing materials were observed within the commercial structure; and
- One (1) on-site and one (1) off-site Potential Contaminating Activity that resulted in two (2) Area of Potential Environmental Concern with the potential to have impacted the study site's soil.
 - ***PCA-1/APEC-1: #30 Importation of Fill Material of Unknown Quality.*** As identified through the aerial photographs, three (3) single family dwellings were present from 1935 until 1965, when the dwellings were demolished. Fill material of unknown quality may have been placed within areas of the previous structure. Target contaminants of concern to the soil include Metals, Petroleum Hydrocarbons (PHCs), Benzene Toluene Ethylbenzene Xylene (BTEX), and Polycyclic Aromatic Hydrocarbons (PAHs).
 - ***PCA-2/APEC-2: #28 Gasoline and Associated Products Storage in Fixed Tanks.*** One (1) historical and four (4) current Underground Storage Tanks (USTs) were noted in the FIPs and during site reconnaissance, at 5460 Stanley Avenue, west adjacent property from the study site. The presence of a UST represents a PCA resulting in an on-site APEC. Target contaminants include PHCs, BTEX, and PAHs to have impacted the site's soil and/or groundwater.
- Fifteen (15) additional PCAs were noted within 250 m of the Study Site, however it is unlikely that any contaminants migrating off-site would present an on-site APEC at the study site due to the distance to the site and interpreted groundwater flow direction away from the site.

RECOMMENDATIONS

Based on the above noted findings Hallex therefore recommends:

- 1) A designated substance and hazardous material survey to identify and quantify potential asbestos containing material within the building structure located on-site prior to any renovation/demolition; and**
- 2) A limited Phase Two Environmental Site Assessment to determine the presence/absence of potential contaminants of concern in the soil and groundwater resulting from fill material and off-site USTs.**

8.0 AUTHOR

Hallex Environmental Ltd. has conducted this Phase One Environmental Site Assessment as permitted by Hallex Certificate of Authorization (#90252). The following employees authored the report:

Connor Dodsworth - Mr. Dodsworth, was the Junior Project Scientist for the project with one year of experience in the environmental consulting field. Related project work includes Phase One & Phase Two Environmental Site Assessments, Designated Substances & Hazardous Material Surveys, and groundwater, surface water and soil sampling.

Nicole Metz - Ms. Nicole Metz, ETPD, ERPC, was the Project Coordinator for the project with over eight years of experience in the environmental consulting field. Some projects Mrs. Metz have worked on included: Phase One & Two Environmental Site Assessments, Site Remediation, groundwater and surface water sampling, underground or aboveground storage tank decommissioning, Designated Substance Surveys, Records of Site Condition Filing, Environmental Compliance Approvals, National Pollutant Release Inventory, and Hazardous Waste Information Network training.

Kevin Christian - Mr. Kevin Christian, M.Sc., P.Geo., a Professional Geoscientist (#0387) registered with the Association of Professional Geoscientists of Ontario, and a Qualified Person (Environmental Site Assessment & Risk Assessment) as per Ontario Regulations 153/04 and 511/09, has thirty years of experience in the environmental geoscience consulting industry conducting Phase One and Two ESA's, remedial planning, and site remediation supervision.

9.0 REFERENCES

The following reports, documents and databases were reviewed for the completion of this Phase One ESA.

- EcoLog ERIS
- Brock University Map Library
- City of Niagara Falls Fire Insurance Plans
- City of Niagara Falls Vernon's City Directories
- Brock University Special Collections Library
- National Pollutant Release Inventory (NPRI) database www.ec.gc.ca.
- Ontario Inventory of PCB Storage Site October 1991, Ministry of the Environment, January 1992.
- Technical Safety and Standards Authority (TSSA) Fuel Storage Information
- Inventory of Coal Gasification Plant Waste Sites in Ontario, Volume II; MOE, 1987
- Ontario Oil, Gas, and Salt Resources Library, www.ogsrlibrary.com.
- Waste Disposal Site Inventory, Ministry of the Environment, 1991.
- Niagara Peninsula Conservation Authority (NPCA) Watershed Explorer;
<https://npca.ca/conservation#conservation-watershed>
- Search Record of Site Condition, Ontario Ministry of Environment, Conservations and Parks;
https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/searchFiledRsc_search?request_locale=en
- Environmental Registry: Search Certificate of Property Use; <https://www.ebr.gov.on.ca/ERS-WEB-External/searchNotice.do>
- Ministry of Natural Resources (ANSIs) mapping;
https://www.gisapplication.lrc.gov.on.ca/matm/Index.html?viewer=Make_A_Topographic_Map.MATM&locale=en-US
- Search Access Environment for Environmental Compliance Approvals;
<http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic&lang=en>
- Historic Topographic Maps of Niagara through Brock University Maps, Data & GIS;
<https://www.arcgis.com/apps/MapSeries/index.html?appid=17d511332d5e40a499bcc8209846cba0>

FIGURES

- Figure 1: Site Location
- Figure 2: Adjacent Land Uses
- Figure 3: Site Layout
- Figure 4a: Potentially Contaminating Activities within Study Area
- Figure 4b: Areas of Potential Environmental Concern



Legend

 Study Site

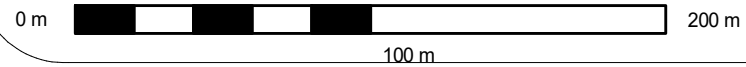
Client
1788618 Ontario Inc.

Project
Phase One ESA
5438 Ferry Street,
Niagara Falls, ON

Figure Name
Site Location

Project
E-22-33-1
Date
August 2022
Drafted: AC
Reviewed: NM

Figure
1



Legend

- Phase One Property
- Residential Use
- Industrial Use
- Commercial Use
- Community Use

Client

1788618 Ontario Inc.

Project

Phase One ESA
5438 Ferry St,
Niagara Falls ON

Figure Name

Site Layout and
Adjacent Land
Use

Project
E-22-33-1
Date
August 2022
Drafted: CD
Reviewed:

Figure
2



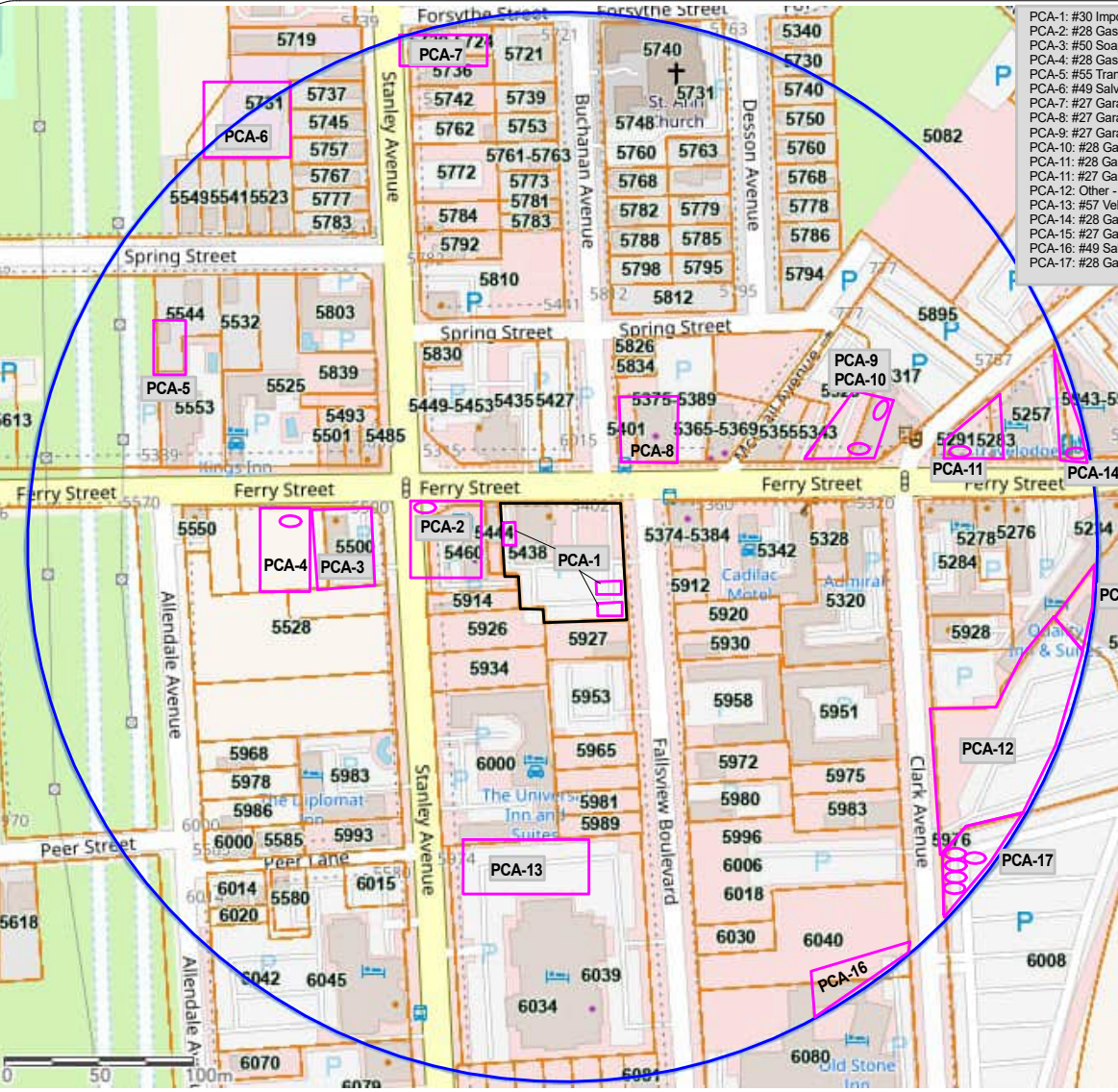
- Legend**
- Phase One Property
 - Property Boundaries
 - # Photo Log Reference
- Arrow point indicates direction of photo taken

Client
1788618 Ontario Inc.

Project
Phase One ESA
5438 Ferry Street
Niagara Falls ON

Figure Name
Site Layout

Project E-22-33-1	Figure 3
Date August 2022	
Drafted: CD	
Reviewed:	



- PCA-1: #30 Importation of Fill Material of Unknown Quality
- PCA-2: #28 Gasoline and Associated Products Storage in Fixed Tanks
- PCA-3: #50 Soap and Detergent Manufacturing, Processing and Bulk Storage
- PCA-4: #28 Gasoline and Associated Products Storage in Fixed Tanks
- PCA-5: #55 Transformer Manufacturing, Processing and Use
- PCA-6: #49 Salvage Yard, including automobile wrecking
- PCA-7: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles
- PCA-8: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles
- PCA-9: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles
- PCA-10: #28 Gasoline and Associated Products Storage in Fixed Tanks
- PCA-11: #28 Gasoline and Associated Products Storage in Fixed Tanks
- PCA-12: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles
- PCA-13: #57 Vehicles and Associated Parts Manufacturing
- PCA-14: #28 Gasoline and Associated Products Storage in Fixed Tanks
- PCA-15: #27 Garage and Maintenance and Repairs of Railcars, Marine Vehicles and Aviation Vehicles
- PCA-16: #49 Salvage Yard, including automobile wrecking
- PCA-17: #28 Gasoline and Associated Products Storage in Fixed Tanks



- Legend**
- Phase One Property
 - Phase One Study Area
 - PCA-#
 - Underground Storage Tank(s)

Client
1788618 Ontario Inc.

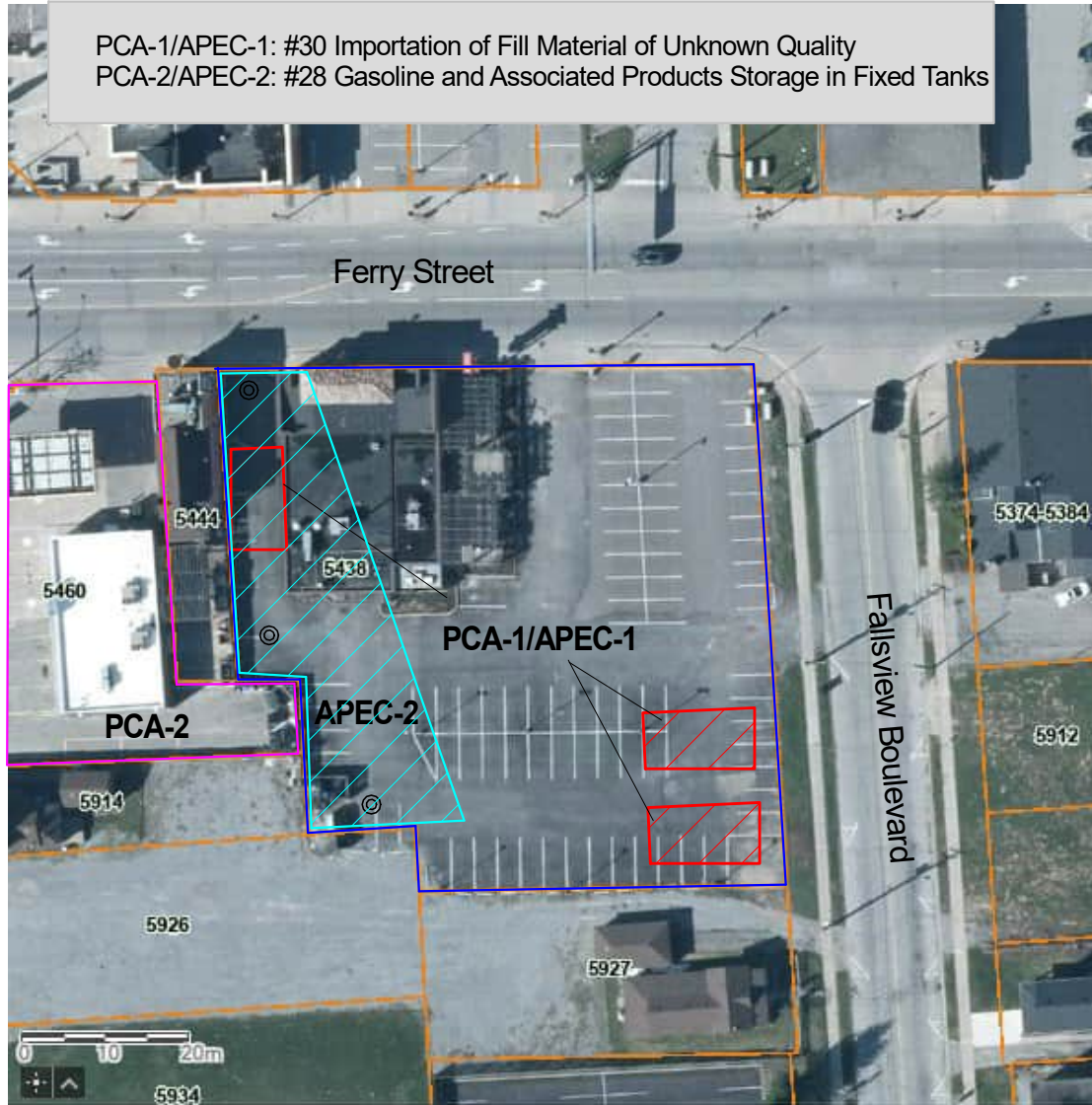
Project
Phase One ESA of
5438 Ferry Street,
Niagara Falls, ON

Figure Name
Potentially Contaminating
Activities within Study
Area

Project E-22-33-1	Figure 4A
Date August 2022	
Drafted: CD	
Reviewed: NM	

Inferred Regional
Groundwater Flow direction

PCA-1/APEC-1: #30 Importation of Fill Material of Unknown Quality
 PCA-2/APEC-2: #28 Gasoline and Associated Products Storage in Fixed Tanks



Legend

- Phase One Property
- ⊙ Monitoring Well
- APEC - 1
- APEC - 2

Client

1788618 Ontario Inc.

Project

Phase One ESA of
 5438 Ferry Street,
 Niagara Falls, ON

Figure Name

Areas of Potential
 Environmental Concern

Project
 E-22-33-1
 Date
 August 2022
 Drafted: CD
 Reviewed: N. Metz

Figure
4B

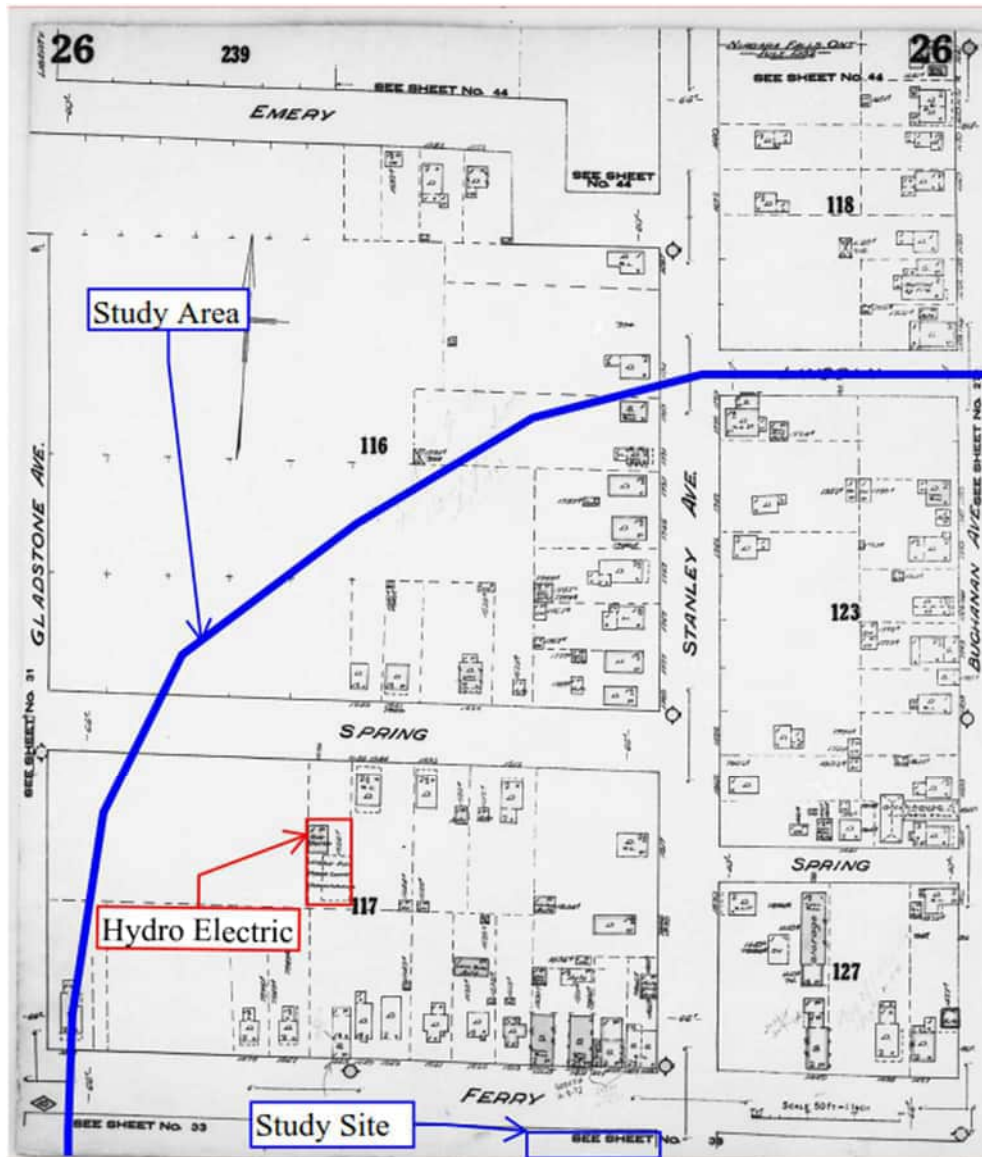
Inferred Regional
 Groundwater Flow direction

Appendix A:
Fire Insurance Plans

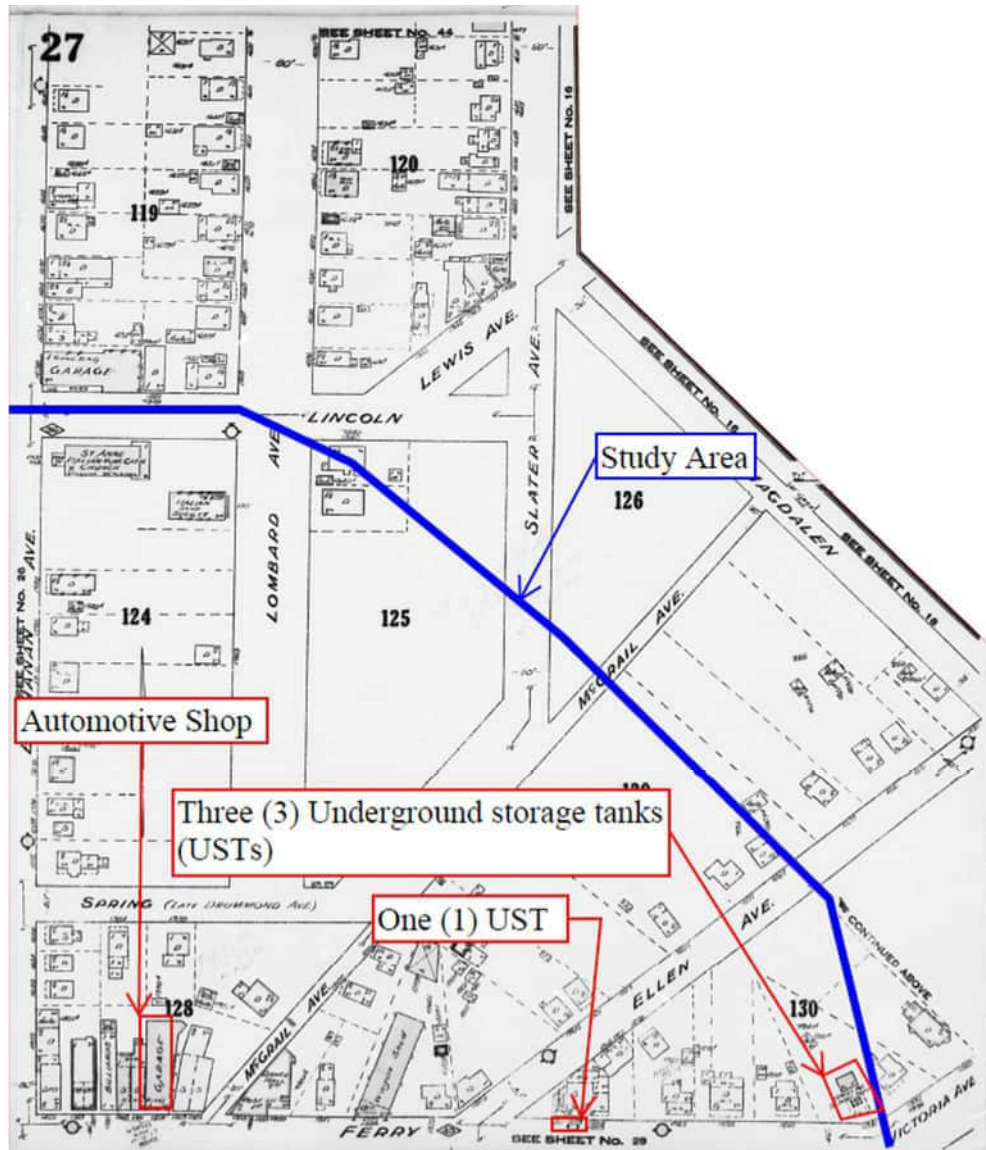
Fire Insurance Plans

Fire Insurance Plan (FIP) was obtained from Envirosan for 5438 Ferry Street, Niagara Falls, ON. There are two (2) years covered in this FIP, the years included are 1932 and 1965. Both sets of FIP depict the study site and the surrounding area. Further details are provided below.

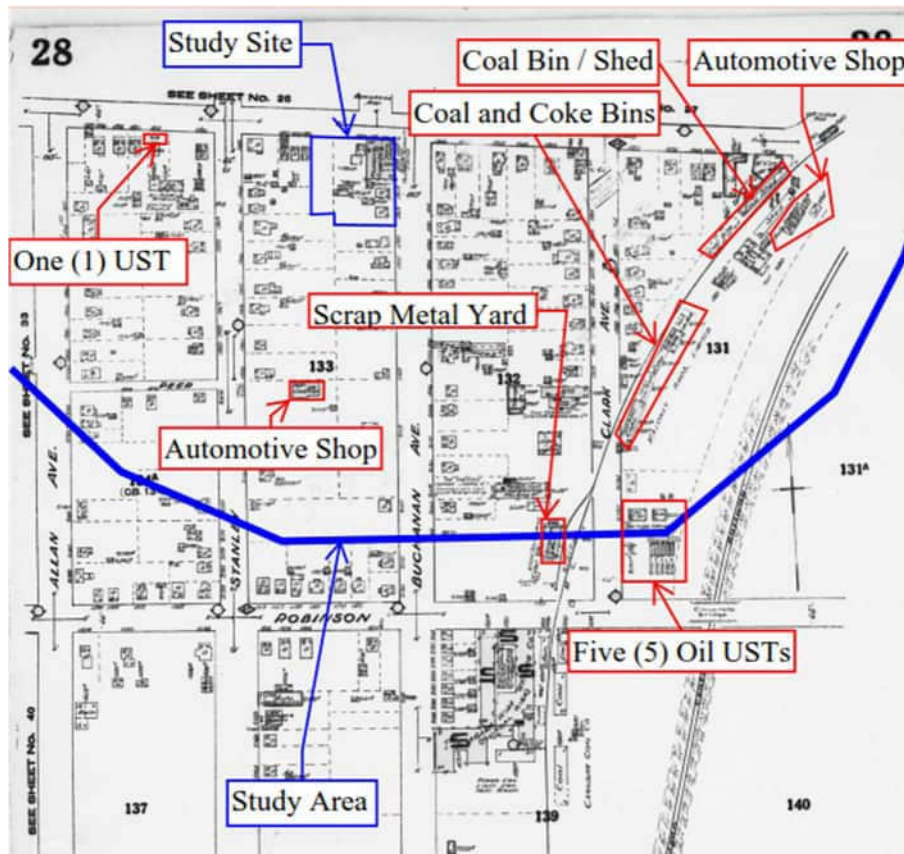
1932



1932



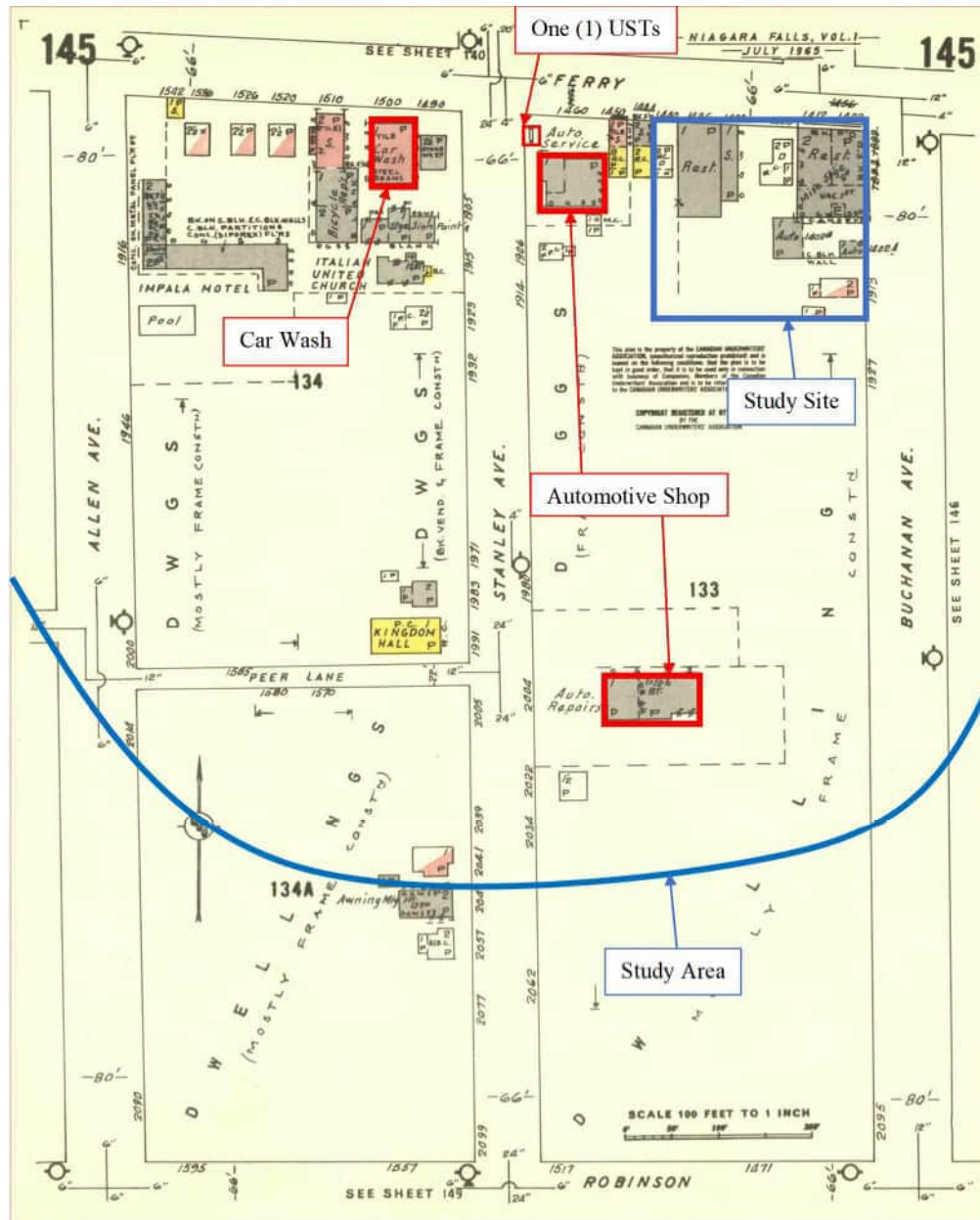
1932



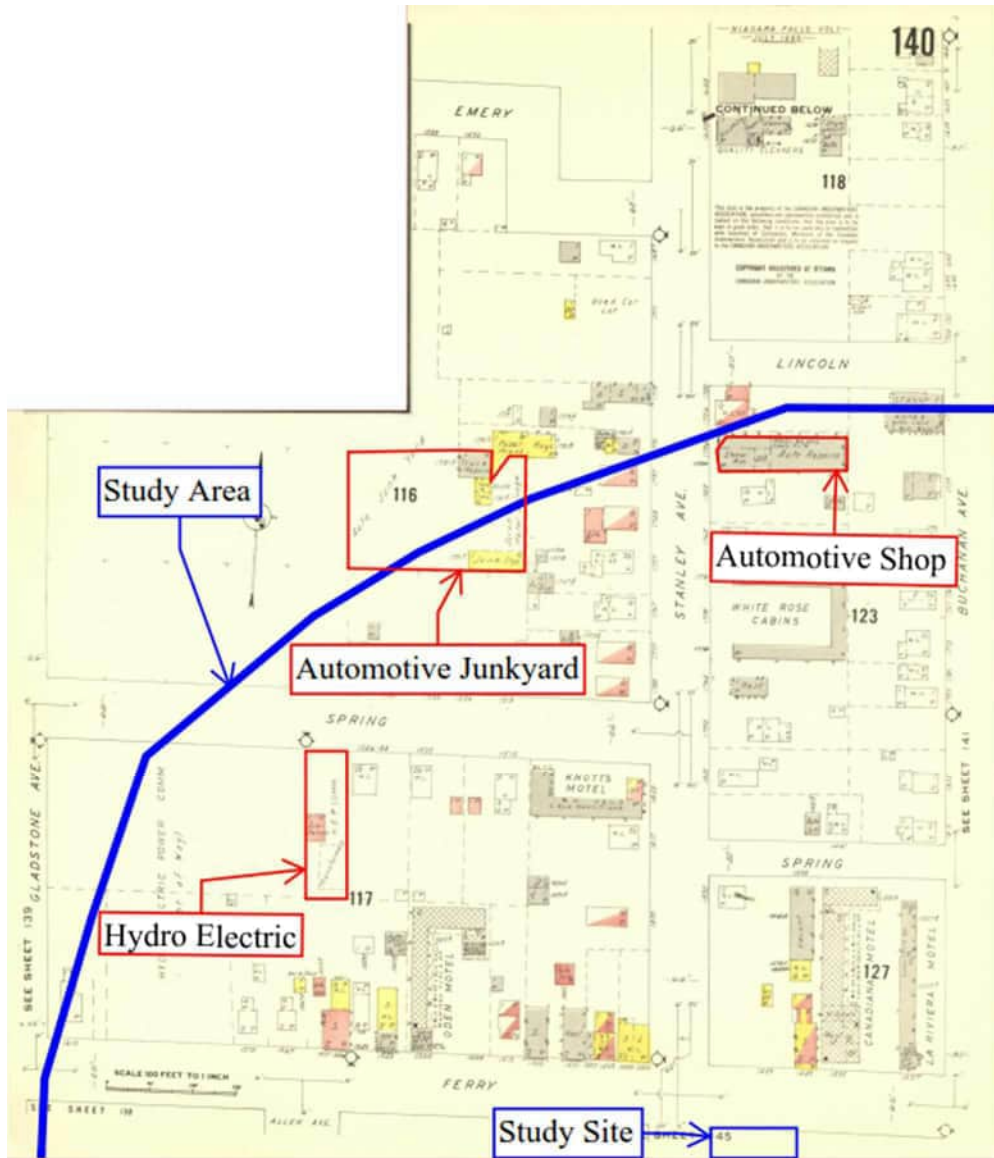
The 1932 plan depicted the site as a commercial property, operating as a plumbing supply store, with two (2) dwellings at the south end of the Study Site. The following PCAs within the study area are highlighted below:

- Transformers at 1556 Spring Street (currently known as 5544 Spring Street), approximately 181m northwest from the study site.
- Automotive shop located at 5375 Ferry Street, approximately 40m northeast from the study site.
- One (1) Underground Storage Tanks (USTs) located 5355 Ferry Street approximately 167m east from the study site.
- Gasoline service station with three (3) USTs located at 5291 Victoria Avenue, approximately 203.1m east from the study site.
- Automotive shop located at 5375 Ferry Street approximately 72.8m east from the study site.
- One (1) USTs at 5528 Ferry Street approximately 140m west from the study site.
- Scrap metal yard located at 6080 Fallsview Blvd, approximately 245m southeast from the study site.
- Five (5) Oil USTs identified at a refueling depo located at 6008 Clark Ave, approximately 250m southeast from the site.
- Coal and coke storage bins, located at 5976 Clark Ave, approximately 240m southeast from site.
- Coal shed was observed at 5234 Ferry Street, approximately 240m east from the study site.
- Automotive shop was identified at 5234 Ferry Street, approximately 250m east / southeast from the study site.

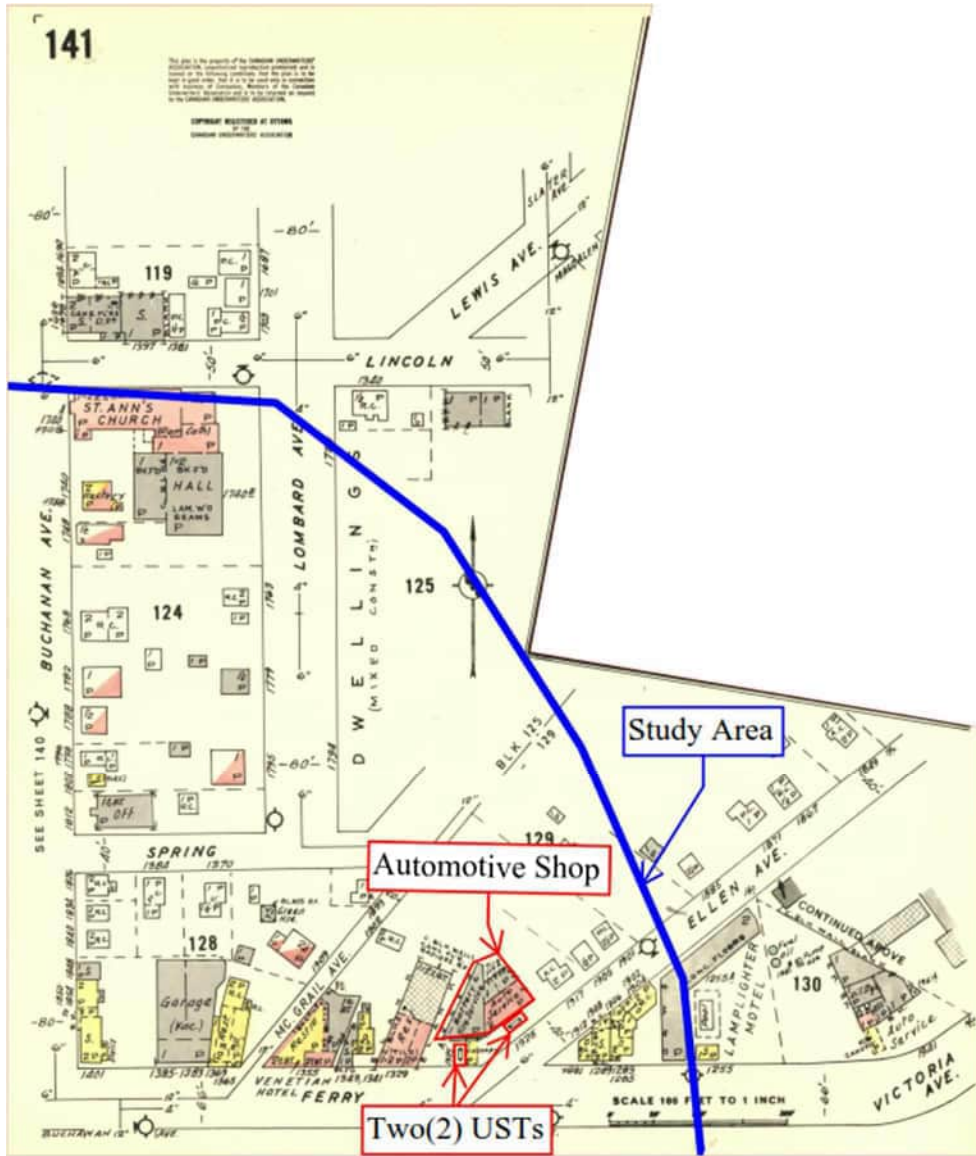
1965



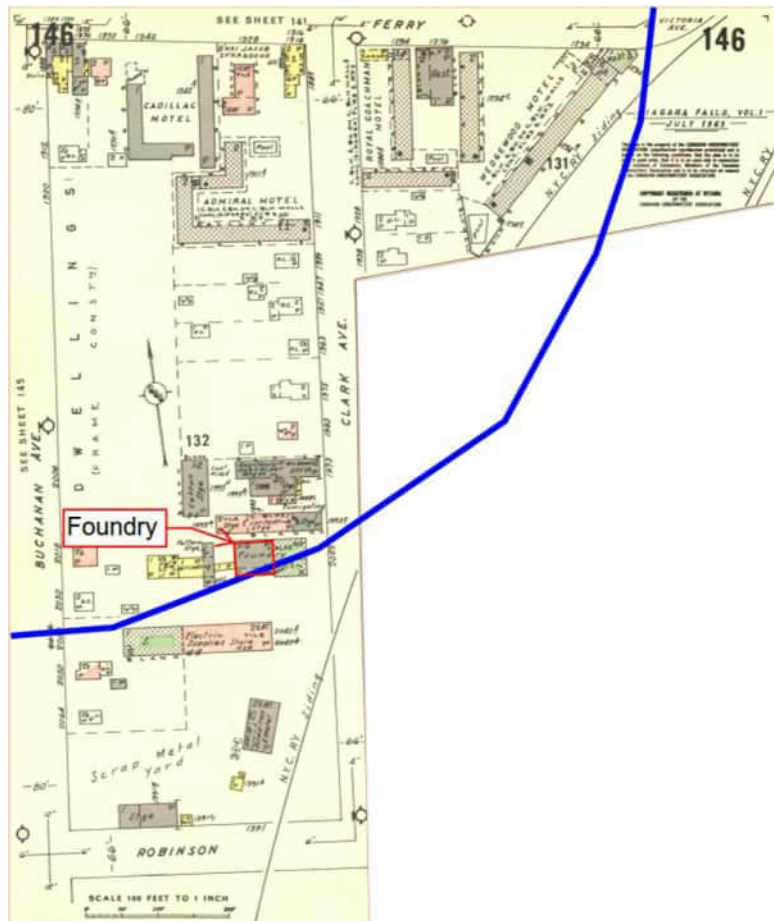
1965



1965



1965



In the 1965 plan, the study site is developed with five (5) buildings identified on-site and in use for commercial and residential purposes. The 1965 plan depicts two (2) restaurants operating within the study site, along with two (2) dwellings and one (1) garage. An Auto Service station appears at the west adjacent site, with one (1) UST identified onsite. With some commercial developments at the south adjacent site. The PCAs identified throughout the 1965 FIP are highlighted below.

- One (1) USTs was identified at an automotive shop located just to the west of the study site. The automotive shop is located at 5460 Ferry Street, approximately 48.1m west from the study site.
- Car wash was located at 5500 Ferry Street, approximately 98.6m west from the study site.
- Automotive shop located at 6004 Stanley Ave, approximately 141m from the study site.
- Hydroelectric substation (Transformers off-site), at 1556 Spring, approximately 181m northwest from the study site.
- Automotive Junkyard located at 5731 Stanley Ave, approximately 211m northwest from the study site.
- Automotive shop located at 5736 Stanley Ave, approximately 234.7m northwest from the study site.
- Two (2) USTs were located at an automotive shop located at 5317 Ferry Street, approximately 162m northeast from the study site.

Appendix B:
Chain of Title

LAND
REGISTRY
OFFICE #59

64348-0013 (LT)

PAGE 1 OF 1
PREPARED FOR AMBER COTTLE
ON 2022/08/10 AT 09:46:22

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

PROPERTY DESCRIPTION: LT 19 S/S LUNDY'S LANE PL 653 ABSTRACTED AS BLK 16 VILLAGE OF NIAGARA FALLS; PT LT A W/S BUCHANAN ST PL 653 ABSTRACTED AS BLK 33 VILLAGE OF NIAGARA FALLS; PT LT B W/S BUCHANAN ST PL 653 ABSTRACTED AS BLK 33 VILLAGE OF NIAGARA FALLS AS IN NF48955 ; NIAGARA FALLS

PROPERTY REMARKS:

ESTATE/QUALIFIER:

FEE SIMPLE
LT CONVERSION QUALIFIED

RECENTLY:

FIRST CONVERSION FROM BOOK

PIN CREATION DATE:

1999/10/18

OWNERS' NAMES

1788618 ONTARIO INC.

CAPACITY SHARE

ROWN 100.0%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1999/10/18 ON THIS PIN**</p> <p>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1999/10/18**</p> <p>** PRINTOUT INCLUDES ALL DOCUMENT TYPES (DELETED INSTRUMENTS NOT INCLUDED) **</p> <p>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</p> <p>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES * AND ESCHEATS OR FORFEITURE TO THE CROWN. * * * * *</p> <p>** 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. * * * * *</p> <p>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES. * * * * *</p> <p>**DATE OF CONVERSION TO LAND TITLES: 1999/10/18 **</p>						
SN244612	2009/05/15	TRANSFER	\$2,150,000	SCHENCK, PETER RODNEY SCHENCK, PETER RODNEY	1788618 ONTARIO INC.	C
		REMARKS: PLANNING ACT STATEMENT				
SN310270	2011/04/06	CHARGE	\$3,000,000	1788618 ONTARIO INC.	MERIDIAN CREDIT UNION LIMITED	C
SN310271	2011/04/06	NO ASSGN RENT GEN		1788618 ONTARIO INC.	MERIDIAN CREDIT UNION LIMITED	C
		REMARKS: SN310270.				

Appendix C:
Vernon's City Directory

Vernon's City Directory Search

Vernon's City Directories were available for the City of Niagara Falls dating from 1946 – 1981; Details from the City Directory search are provided below.

Date	Location Description	Address	Property Name
1946	Ferry Street (South Side)		
		1210	Falls Motor Sales
		1234	The Concrete Stone and Coal Co
		1260 -1292	Residential
		1316	Niagara Electronics and Residential
		1328	Synagogue
		1342 - 1380	Residential
		1402 - 1406	Niagara plumbing Supply Co Ltd
		1420	Residential
		1444	Residential
		1450	Quality Cleaners, Residential
		1490	Residential
		1510	Cupolo's Cycle Shop and Residential
		1520 - 1536	Residential
		1542	Maine Shoe repair
		1616	Residential
1946	Ferry Street (North side)		
		1241 - 1255	Residential
		1255	McMaster, C Painters
		1265 - 1287	Residential
		1291	Shoe Repair
		1329	Rainbow Restaurant
		1329 - 1341	Residential
		1343	Restaurant
		1351 - 1355	Venetian Hotel
		1365	Antonio Rocco - Barber
		1375	Central Garage
		1393	White Spot restaurant
		1401 - 1449	Residential
		1449	Malzone and Buemi bankers
		1485	Peterson, W H, drugs and Residential
		1489 - 1493	Residential
		1493	White Way Grill
		1497	Storage
		1501	Vacant store
		1501 - 1525	Residential
		1531	Vacant
		1543 - 1549	Residential
		1553	Walters Grocery and Residential
		1557	Vacant
		1567 - 1613	Residential

Date	Location Description	Address	Property Name
1946	Stanley Ave (East side)		
		1720 - 1830	Residential
		1882	New Building
		1906 - 1994	Residential
		2004	Niagara Auto Wreckers
		2034 - 2062	Residential
1946	Stanley Ave (West side)		
		1687 - 1719	Residential
		1731	Auto Worker
		1737 - 1839	Residential
		1923 - 2099	Residential
1946	Buchanan Ave (East side)		
		1748 - 1798	Residential
		1802	Vacant
		1812	Fisher Clinic / Physician
		1826 - 1854	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1912 - 1936	Residential
		1946 - 2018	Residential
		2018	May Foundry Co.
		2030 - 2064	Residential
1946	Buchanan Ave (West side)		
		1739 - 1803	Residential
		1809	Fisher's Flower land
		1815 - 1825	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1905 - 1913	Residential
		1927 - 2095	Residential
1946	Clark Ave (East side)		
		1914 - 1966	Residential
		2020	Maloney Bros Ltd, Coal
		2034	Residential
		2050	British Amer Oil co Ltd
1946	Clarke Ave (West side)		
		1889 - 1975	Residential
		1983	Apiarist
		1993	Flexo cotton Production
		2001	Junk yard

Date	Location Description	Address	Property Name
1946	Spring Street (North side)		
		1441 - 1549	Residential
1946	Spring Street (South side)		
		1370 - 1546	Residential
1946	Allendale Ave (East side)		
	* Labelled as Allen Ave*	1016 - 2024	Residential
		2042	Private Garage
		2046 - 2092	Residential
1946	Allendale Ave (West side)		
	* Labelled as Allen Ave*	2073	Residential
1946	McGrail Ave (East side)		
		1516 - 1902	Residential
1946	McGrail Ave (West side)		
		1521 - 1535	Residential
		1535	Nelson Beauty shop
		1543 - 1549	Residential
		1557	Vacant
		1561 - 1909	Residential
1946	Ellen Ave (East side)		
		1570 - 1642	Residential
		1654	Police Station
		1698	Plumber
		1682 - 1692	Residential
		1714	Grocer's & Garage and Residential
		1740	Smith Bros Construction Co LTD
		1742 - 1786	Residential
1946	Ellen Ave (West side)		
		1561 - 1573	Residential
		1587	Harper Method Canada Ltd, Cosmetics
		1593 - 1723	Residential
		1781	Animal Trap Co of America Ltd
		1823 - 1917	Residential
		1925	Battery Service

Date	Location Description	Address	Property Name
1948	Ferry Street (South Side)		
		1210	Falls Motor Sales
		1234	The Concrete Stone & Coal Co
		1260 - 1292	Residential
		1316	Niagara Electronics and Residential
		1328	Synagogue
		1342 - 1380	Residential
		1402 - 1406	Niagara Plumbing Supply Co Ltd
		1420 - 1438	Residential
		1450	Dane's Flowers & Residential
		1490	Residential
		1500	Maple Leaf Garage
		1510	Cupolo's cycle shop
		1510 - 1536	Residential
		1542	Maine Shoe repairs
		1616	Residential
1948	Ferry Street (North side)		
		1241 - 1287	Residential
		1291	Shoe Repair
		1329	Rainbow Restaurant and Residential
		1341	Residential
		1343	Big Five Restaurant
		1351 - 1355	Venetian Hotel
		1365	Rocco's Billiard Parlour and Residential
1948	Stanley Ave (East side)		
		1720 - 1762	Residential
		1772	Laslo Motors
		1792 - 1830	Residential
1948	Stanley Ave (West side)		
		1687 - 1839	Residential
1948	Buchanan Ave (East side)		
		1748 - 1798	Residential
		1802	Vacant
		1812 - 1854	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1912 - 2030	Residential
		2040 - 2042	Vendall Ltd
		2050 - 2064	Residential

Date	Location Description	Address	Property Name
1948	Buchanan Ave (West side)		
		1739 - 1803	Residential
		1809	Fisher's Flower-land
		1815 - 1825	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1913	Residential
		1927 - 2095	Residential
1948	Clark Ave (East side)		
		1914 - 1966	Residential
		2020	Maloney Bros Ltd, Coal
		2034	Residential
		2050	British Amer Oil Co Ltd
1948	Clark Ave (West side)		
		1889 - 1983	Residential
		1993	Flexo Cotton Prod
		2001	Seigel K, Junk Yard
1948	Spring Street (North side)		
		1441 - 1549	Residential
1948	Spring Street (South side)		
		1370 - 1546	Residential
1948	Allendale Ave (East side)		
	* Labelled as Allen Ave*	1916 - 2092	Residential
1948	Allendale Ave (West side)		
	* Labelled as Allen Ave*	2073	Residential
1948	McGrail Ave (East side)		
		1760	Niagara Trading Co
		1902	Residential
1948	McGrail Ave (West side)		
		1893 - 1909	Residential
1948	Ellen Ave (East side)		
		1822 - 1904	Residential
		1906	Sids Auto Electric
		1908 - 1912	Residential
1948	Ellen Ave (west side)		
		1823 - 1917	Residential
		1925	Battery Service

Date	Location Description	Address	Property Name
1950	Ferry Street (South Side)		
		1210	Falls Motor Sales
		1234	The Concrete Stone & Coal Co
		1260 - 1276	Residential
		1292	Jimmy Briand Inn
		1316	Niagara Falls Souvenir Shop and Residential
		1328	Synagogue
		1342 - 1380	Residential
		1384	Paul's Clothing Store
		1402-1406	Niagara plumbing Co Ltd
		1420 - 1438	Residential
		1450	Vacant
		1460	Niagara Auto Electric
		1490	Residential
		1500	Maple Leaf Garage
		1510	Cupolo's cycle shop
		1510 - 1536	Residential
		1542	Maine Shoe Repair
1950	Ferry Street (North side)		
		1241 - 1291	Residential
		1329	Rainbow Restaurant
		1329 - 1341	Residential
		1343	Big Five Restaurant
		1351 - 1355	Venetian Hotel
		1365	Rocco's Barber Shop
		1365	Rocco's Apartments
		1375	Central Garage
		1393	White Spot Billiards
		1401 - 1449	Residential
		1485	Peterson Drugs
		1485 - 1493	Residential
		1493	White way China Shoppe
		1493	Paterno Jewelers
		1501	Ferry Meat Market
		1501 - 1549	Residential
		1553	Walters Grocery and Residential
		1557	Vacant
		1567 - 1613	Residential

Date	Location Description	Address	Property Name
1950	Stanley Ave (East side)		
		1720 - 1724	Residential
		1736	Jones Motor Sales Ltd
		1742 - 1762	Residential
		1772	Laslo Body works
		1792 - 1802	Residential
		1830	Vacant and Motorville Car Sales
		1882	Niagara Garage
		1906 - 1994	Residential
		2004	Niagara Auto Wreckers
		2034 - 2062	Residential
1950	Stanley Ave (West side)		
		1687 - 1839	Residential
		1839	All Peoples Mission United Church
		1923 - 2041	Residential
		2043	Beacon Awnings Manufacturers
		2057 - 2099	Residential
1950	Buchanan Ave (East side)		
		1740 - 1748	Residential
		1760	I N Frontier Club
		1768 - 1854	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1888 - 1912	Residential
		1920	Vacant
		1930 - 2030	Residential
		2040 - 2042	Vendall Ltd
		2050 - 2064	Residential
1950	Buchanan Ave (West side)		
		1739 - 1803	Residential
		1809	Fisher's Flowerland
		1815 - 1825	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1913	Residential
		1927 - 2095	Residential

Date	Location Description	Address	Property Name
1950	Clark Ave (East side)		
		1914 - 1966	Residential
		2020	Maloney Bros Ltd, Coal
		2034	Residential
		2050	British Amer Oil Co Ltd
1950	Clarke Ave (West side)		
		1889 - 1983	Residential
		1993	Flexo Cotton Prod
		2001	Seigel K, Junk Yard
1950	Spring Street (North side)		
		1441 - 1549	Residential
1950	Spring Street (South side)		
		1370 - 1546	Residential
1950	Allendale Ave (East side)		
	* Labelled as Allen Ave*	1916 - 2092	Residential
1950	Allendale Ave (West side)		
	* Labelled as Allen Ave*	2073	Residential
1950	McGrail Ave (East side)		
		1902	Residential
1950	McGrail Ave (West side)		
		1893	Residential
		1909	Vacant
1950	Ellen Ave (East side)		
		1822 - 1912	Residential
1950	Ellen Ave (West side)		
		1823 - 1925	Residential
		1925	Nanson's Battery and Tire service

Date	Location Description	Address	Property Name
1953	Ferry Street (South Side)		
		1210	Falls Motor Sales
		1234	The Concrete Stone & Coal Co
		1260 - 1276	Residential
		1292	Sorrento Italian Restaurant
		1316	Niagara Falls Souvenir shop and Residential
		1328	Congregation
		1342 - 1380	Residential
		1384	Lucille Beauty Salon
		1402 - 1406	Niagara Plumbing Supply Co Ltd
		1420 - 1438	Residential
		1444 - 1450	Residential
		1460	Niagara Auto Electric
		1490	Residential
		1500	Maple Leaf Garage
		1510	Cupolo's Cycle Shop
		1510 - 1536	Residential
		1542	Ace Lock & Key
		1616	Residential
1953	Ferry Street (North side)		
		1255 - 1287	Residential
		1291	Shoe repair
		1329	Rainbow restaurant
		1341	Residential
		1343	Kit Kat Grill
		1351 - 1355	Venetian Hotel
		1365	Rocco's Grill & Apartments
		1375	Central Garage
		1401	Berts Meat Market
		1401 - 1449	Residential
		1449	Motorville Car sales
		1485	Peterson, W H drugs
		1485 - 1493	Residential
		1493	White Way China Shoppe
		1493 - 1549	Residential
		1553	Walter's food Market
		1557	Shoe hospital
		1557 - 1613	Residential

Date	Location Description	Address	Property Name
1953	Stanley Ave (East side)		
		1720 - 1724	Residential
		1736	Jones Mattress sales Ltd
		1742 - 1762	Residential
		1772	Laslo Body Works
		1792 - 1830	Residential
		1830	Motorville Car sales
		1882	Niagara Garage
		1906 - 1994	Residential
		2004	Niagara Auto Wreckers
		2022 - 2062	Residential
1953	Stanley Ave (West side)		
		1687 - 1719	Residential
		1731	Auto Wrecker
		1737 - 1839	Residential
		1839	All peoples Mission United Church
		1923 - 1983	Residential
		1893	Jehovah Witness Hall
		2005 - 2041	
		2043	Beacon Awnings Manufacturers
		2057 - 2099	Residential
1953	Buchanan Ave (East side)		
		1740	St Ann's Church
		1740 - 1748	Residential
		1760	Hungarian Christian Socy Hall
		1768	Vacant
		1788 - 1789	Residential
		1802	Shoe Shop
		1812 - 1854	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1888 - 2030	Residential
		2040	Vendall Ltd
		2050 - 2064	Residential
1953	Buchanan Ave (West side)		
		1739 - 1803	Residential
		1809	Fisher's Flower Land
		1915	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1913	Residential
		1927 - 2095	Residential

Date	Location Description	Address	Property Name
1953	Clark Ave (East side)		
		1914 - 1966	Residential
		1966	Yeates Bros, pntg
		2020	Maloney Bros Ltd, Coal
		2034	Residential
1953	Clarke Ave (West side)		
		1889 - 1921	Residential
		1929	Regnier Wood working shop
		1929 - 1983	Residential
		1993	Flexo Cotton Prod
		2001	Seigal, K, Junk Yard
		2029	May Foundry Co
1953	Spring Street (North side)		
		1441 - 1549	Residential
1953	Spring Street (South side)		
		1370 - 1544	Residential
		1544	Apex Painters Ltd
		1544 - 1546	Residential
1953	Allendale Ave (East side)		
	* Labelled as Allen Ave*	1916 - 2024	Residential
		2042	City Electrical Contracting
		2046 - 2086	Residential
		2086	Vacant
		2088 - 2092	Residential
1953	Allendale Ave (West side)		
	* Labelled as Allen Ave*	2073	Residential
1953	McGrail Ave (East side)		
		1902	Residential
1953	McGrail Ave (West side)		
		1893 - 1909	Residential
1953	Ellen Ave (East side)		
		1882 - 1912	Residential
1953	Ellen Ave (West side)		
		1781	Animal Trap Co of America Ltd
		1823 - 1917	Residential
		1921	Sid's Auto Electrical
		1925	Nanson's Battery & Tire Service and residential

Date	Location Description	Address	Property Name
1959	Ferry Street (South Side)		
		1224	Greater Niagara Auto Parts
		1234	Wedgewood Motel
		1234 - 1276	Residential
		1292	The China Doll
		1316	Cut Rate Souvenir
		1318	Apartments
		1328	B’Nai Jacob Congregation
		1342 - 1374	Residential
		1376	Jo-Ann Gift Shop
		1380	Tony Barber Shop and Residential
		1384	Lucille Beauty Salon
		1402	Niagara Plumbing Supply Co Ltd
		1420	Residential
		1434	Mir-Mar Gift Shop
		1438	Residential
		1444	Ollie’s Fashion Shop
		1450	Roman Tailor and Residential
		1460	J B Auto Electric
		1490	Residential
		1500	Alladin’s Car Wash
		1510	Cupolo’s Cycle Shop
		1510 - 1536	Residential
		1542	Ace Lock & Key
		1550	Capitol Car Sales Ltd
		1616	Residential
1959	Ferry Street (North side)		
		1255	Laslo Body Works
		1283 - 1285	Residential
		1291	Nick’s barber shop
		1329	Rainbow Restaurant
		1341	Residential
		1343	Uncle Gustave’s Restaurant
		1351 - 1355	Venetian Hotel
		1365	Rocco’s Billiard Parlour
		1365	Duo - Temp (Niagara) Ltd
		1365	Rocco’s Restaurant
		1365	Residential
		1375	Motors Ltd
		1401 - 1449	Residential
		1459	Motorville Chev-Olds-Cadillac Ltd
		1485	Peterson, W H, Drugs
		1485 - 1493	Residential
		1493	White way China Shoppe
		1493	Fabiani Barber Shop

Date	Location Description	Address	Property Name
1959	Ferry Street (North side)		
		1501	Ferry Meat Market
		1501	Residential
		1509	Kaminsky Wrhse Sales
		1509 - 1549	Residential
		1553	Walters Food Market and Residential
		1557	Shoe Hospital
		1567	Jorgensen Tool Shop and Residential
		1575 - 1613	Residential
1959	Stanley Ave (East side)		
		1724	Residential
		1736	Crosby Motor sales Ltd
		1742 - 1762	Residential
		1772	White Rose Motel
		1792 - 1994	Residential
		2004	Maple Leaf Garage
		2022 - 2062	Residential
1959	Stanley Ave (West side)		
		1687 - 1711	Residential
		1719	Stanley Meat Market
		1719 - 1731	Residential
		1731	Fiore's Scrap Metal & Salvage
		1737 - 1783	Residential
		1803	Knott's Motel
		1817 - 1839	Residential
		1905	Baker's Radiator Works Ltd
		1905	All peoples Mission United Church
		1923 - 1983	Residential
		1983	Kingdom Hall Jehovah's Witnesses
		2005 - 2041	Residential
		2043	Beacon Awning Manufactures
1959	Stanley Ave (West side)		
		2043	City Home Repairs
		2043 - 2099	Residential
1959	Buchanan Ave (East side)		
		1740	St Ann's Church
		1740 - 1748	Residential
		1748	Gabe's Beauty Salon
		1760	Hungarian Christian Socy Hall
		1768 - 1798	Residential
		1802	The Shoe Shop
		1812 - 1840	Residential
		1848	Damato's Variety Shop

Date	Location Description	Address	Property Name
1959	Buchanan Ave (East side)		
		1852 - 1854	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1888 - 2030	Residential
		2040	Goodwill Electrical Supplies Ltd
		2050 - 2064	Residential
1959	Buchanan Ave (West side)		
		1739 - 1753	Residential
		1761	Vacant
		1763 - 1825	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1913	Residential
		1927 - 2095	Residential
1959	Clark Ave (East side)		
		1914 - 1966	Residential
		1966	Yeates Bros, pntg
		2020	Emery Fuels Oils
		2020 - 2034	Residential
1959	Clarke Ave (West side)		
		1889 - 1983	Residential
		1993	Flexo Cotton Prod
		2029	May Foundry Co
1959	Spring Street (North side)		
		1441 - 1549	Residential
1959	Spring Street (South side)		
		1370 - 1544	Residential
1959	Allendale Ave (East side)		
	* Labelled as Allen Ave*	1916 - 2024	Residential
		2042	City Electrical Store House
		2046 - 2092	Residential
1959	Allendale Ave (West side)		
	* Labelled as Allen Ave*		
		2073	Residential
1959	McGrail Ave (East side)		
		1902	Residential

Date	Location Description	Address	Property Name
1959	McGrail Ave (West side)		
		1893 - 1909	Residential
1959	Ellen Ave (East side)		
		1898 - 1912	Residential
1959	Ellen Ave (West side)		
		1823 - 1925	Residential
		1925	Nanson's Battery & Tire service

Date	Location Description	Address	Property Name
1966	Ferry Street (South Side)		
		1210 - 1224	Vacant
		1234	Wedgewood Motel
		1234	Wedgewood Scenic tours
		1276	Salvatores's Roman Garden restaurant
		1284	Royal Coachman Motel
		1316	Cute rate souvenirs
		1318	Residential
		1328	B'Nai Jacob Congregation
		1342	Cadillac Motel
		1370	Vacant
		1374	Residential
		1376	Jo-Ann Gift shop
		1380	Tony's Barber shop and residential
		1384	Lucille Beauty shop
		1402	Three coins in the Fountain restaurant
		1420	Residential
		1432	Niagara wig Creations
		1438	Capri Restaurant
		1440 - 1444	Residential
		1446	Vincent Filice Clnrs & Tlrs
		1444	Residential
		1450	Vacant
		1460	Bob's Shell Station
		1490	Residential
		1490	Jeanne's Beauty Shop
		1500	Vacant
		1510	Cupolo's Cycle & Sports Ltd
		1510 - 1536	Residential
		1542	Niagara Coin & Novelty shop
		1550	Niagara Pleasure Tours

Date	Location Description	Address	Property Name
1966	Ferry Street (North side)		
		1257	Lamplighter Motel and The Four Bros Restaurant
		1329	Hungarian Tavern
		1341	Residential
		1343	Mary's Restaurant
		1355	Venetian Hotel
		1365	Rocco's Billiards and Residential
		1365	Rocco's Restaurant
		1375	The Texas Steak house
		1401	Costa's Imperial Italian Food Market
		1427	Lav Riviera Motel
		1435	Canadian Inn (Niagara Falls) Ltd
		1449	Vacant store
1966	Ferry Street (North side)		
		1449 - 1459	Residential
		1485	Napoli Pizzeria
		1485 - 1493	Residential
		1493	Fabian Barber Shop
		1501	James Restaurant
		1501	Residential
		1509	Peterson's Pharmacy
		1509 - 1513	Residential
		1525	The Oden Motel
		1543 - 1549	Residential
		1553	Walter's Italian Food Market
		1553 - 1567	Residential
		1567	Jorgensen Tool Shop
		1575 - 1613	Residential
1966	Stanley Ave (East side)		
		1724	Residential
		1736	Roy's Motor Sales Ltd (Niagara Falls)
		1742 - 1762	Residential
		1772	White Rose Motel
		1784	Colonial Restaurant
		1792 - 2002	Residential
		2002	Niagara Universal Metal
		2004	Maple Leaf Auto Workers
		2022 - 2062	Residential
1966	Stanley Ave (West side)		
		1687	Residential
		1711	Frederick's used cars
		1719	Stanley Meats & Grocery

Date	Location Description	Address	Property Name
1966	Stanley Ave (West side)		
		1719 - 1731	Residential
		1731	Fiore's Scrap Metal & Salvage
		1737 - 1767	Residential
		1767	Italian Style Knit Wear
		1777 - 1783	Residential
		1803	Knott's Motel
		1817 - 1839	Residential
		1905 - 1943	Residential
		1955 - 2041	Residential
		2043	Beacon Awning Manufactures
		2043	Wire workers (Niagara Falls) Credit union
		2057 - 2099	Residential
1966	Buchanan Ave (East side)		
		1740 - 1798	St Ann's (RC) Church
		1802	The Shoe Shop
		1812 - 1848	Residential
		1848	Star Cleaners Launderers
		1848	Post Office
		1848	Damato's Variety Shop
		1852 - 1854	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1888 - 2030	Residential
		2040	Goodwill Electric Supplies Ltd
		2050 - 2064	Residential
1966	Buchanan Ave (West side)		
		1739 - 1815	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		1913	Residential
		1927 - 2095	Residential
1966	Clark Ave (East side)		
		1928 - 1966	Residential
		1966	Yeates Bros
		2034	Residential
1966	Clarke Ave (West side)		
		1889 - 1911	Residential
		1911	Admiral Motel
		1939 - 1983	Residential
		1993	Flexo Products Niagara Ltd
		2029	May Foundry Co Ltd

Date	Location Description	Address	Property Name
1966	Spring Street (North side)		
		1441	Residential
		1513 - 1549	Residential
1966	Spring Street (South side)		
		1370 - 1544	Residential
1966	Allendale Ave (East side)		
	* Labelled as Allen Ave*	1916	Impala Motel
		1946 - 2000	Residential
		2014 - 2092	Residential
1966	Allendale Ave (West side)		
	* Labelled as Allen Ave*		Undeveloped
1966	McGrail Ave (East side)		
		1902	Residential
1966	McGrail Ave (West side)		
		1893 - 1909	Residential
1966	Ellen Ave (East side)		
			Undeveloped
1966	Ellen Ave (West side)		
		1823 - 1925	Residential
		1925	Nanson's Battery & Tire Service

Date	Location Description	Address	Property Name
1970	Ferry Street (South Side)		
		5434	Wedgewood Motel
		5276	Salvatores's Steak House
		5284	Royal Coachmen Motel
		5328	B'Nai Jacob Synagogue
		5342	Cadillac Motel
		5342 - 5374	Residential
		5376	Jo - Ann Gift Shop
		5380	Tony's Barber Shop
		5384	Lucille Beauty Salon
		5402	Mia Kai Restaurant
		5420	Residential
		5432	Mir-Mar Gifts
		5438	Capri Restaurant
		5444	Vacant
		5446	Residential
		5460	Keays Shell Service
		5490 - 5500	Dairy Queen
		5510	Cupolo's Cycle & Sports Ltd
		5510 - 5536	Residential
		5550	Niagara Pleasure Tours
1970	Ferry Street (North side)		
		5257	The Lamplighter Motel
		5283	Four Bros Restaurant and Tavern
		5329	Hungarian Tavern
		5329	Trade Winds Gift shop
		5341	Residential
		5355	Venetian Tavern
		5365	Apartments
		5365	Rocco's Billard Parlour
		5365	Cut-Rate Souvenirs & Gifts
		5375	Texas Steak & Beef House
		5401	Costa's Italian Food Market
		5427	La Riviera Motel
		5435	Canadiana Inn (Niagara Falls) Ltd
		5449	Vacant Store
		5449	Residential
		5459	Residential
		5485	Napoli Pizzeria
		5485 - 5489	Residential
		5493	Vacant
		5493	Fabian Barber Shop
		5501	James Restaurant
		5509	Petersons Pharmacy
		5509	Residential

Date	Location Description	Address	Property Name
1970	Ferry Street (North side)		
		5513	Vacant
		5525	The Oden Motel
		5543 - 5549	Residential
		5553	Sea-Bee Super Sub
		5553 - 5613	Residential
1970	Stanley Ave (East side)		
		5720 - 5724	Residential
		5736	Central Motors & Body Repairs
		5742 - 5762	Residential
		5772	White Rose Motel
		5784	Colonial restaurant
		5792 - 5962	Residential
		6000	Niagara Universal Mtr lodge
		6004	Maple Leaf Auto Body Ltd
		6022 - 6062	Residential
1970	Stanley Ave (West side)		
		5687	Residential
		5719	Stanley Meats
		5719 - 5731	Residential
		5731	Fiore's Scrap Metal & Disposal
		5737 - 5783	Residential
		5803	Knott's Motel
		5817 - 5839	Residential
		5917	All Peoples Mission United Church of Canada
		5923 - 5983	Residential
1970	Stanley Ave (West side)		
		5993	Kingdom Hall of Jehovah's Witnesses
		6043	Vacant / Residential
		6043	Wire Workers (Niagara Falls) Credit union
		6057 - 6099	Residential
1970	Buchanan Ave (East side)		
		5740 - 5798	Residential
		5802	The Shoe Shop
		5812	Fisher Clinic
		5812 - 5848	Residential
		5848	Tomco Services
		5848	Post office (sub)
		5848	Damato's Variety
		5850 - 5852	Residential

Date	Location Description	Address	Property Name
1970	Buchanan Ave (East side)		
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5888 - 5936	Residential
		5958	Fairway Motel
		5972 - 6030	Residential
		6040	Goodwill Elect Supplies Ltd
		6050 - 6064	Residential
1970	Buchanan Ave (West side)		
		5721	St Ann's Sep Schl Annex
		5739 - 5783	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5913	Residential
		5927 - 6053	Residential
		6053	Vacant apartments
		6065 - 6095	Residential
1970	Clark Ave (East side)		
		5928 - 6034	Residential
1970	Clarke Ave (West side)		
		5911	Residential
		5911	Admiral Motel
		5939 - 5951	Residential
		5963 - 5983	Residential
		5983	Vacant
		5993	Flexo Products Ltd
		6029	May Foundry Co Ltd
1970	Spring Street (North side)		
		5395 - 5549	Residential
1970	Spring Street (South side)		
		5370 - 5388	Residential
		5438	Vacant
		5512 - 5544	Residential
1970	Allendale Ave (East side)		
	* Labelled as Allen Ave*	5916	Impala Motel
		5916 - 6092	Residential
1970	Allendale Ave (West side)		
	* Labelled as Allen Ave*		Undeveloped

Date	Location Description	Address	Property Name
1970	McGrail Ave (East side)		
		5902	Residential
1970	McGrail Ave (West side)		
		5893 - 5909	Residential
1970	Ellen Ave (East side)		
			Undeveloped
1970	Ellen Ave (West side)		
		5823 - 5885	Residential
		5885 - 5895	Vacant
		5901 - 5925	Residential
		5925	Nanson's Battery Tire Service

Date	Location Description	Address	Property Name
1975	Ferry Street (North Side)		
		5257	The Lamplighter Motel
		5283	Four Brothers Restaurant & Tavern
		5329	Hungarian Tavern
		5329	Vacant
		5341	Residential
		5343	Mary's Restaurant
		5365	Apartments
		5365	Tink's window cleaning
		5365	Rocco's Billiards
		5365	Cut - Rate Souvenir & Gifts
		5375	Texas Steak & Beef Houst Ltd
		5427	La Riviera Motel
		5435	Canadiana Inn (Niagara Falls) Ltd
		5449	European Lighting Creations Ltd
		5449 - 5359	Residential
		5485	Napoli Pizzeria
		5485 - 5493	Residential
		5501	James Restaurant
		5501	Residential
		5509	Capital Discount Variety Stores
		5525	King's Inn Motor Lodge Ltd
		5543	Merrett H T insurance Agency Limited
		5543 - 5549	Residential
		5553	Marco Polo Spaghetti House & Pizzeria
		5553 - 5613	Residential

Date	Location Description	Address	Property Name
1975	Ferry Street (South side)		
		5234	Wedgewood Motel
		5276	Salvatores's Steak House
		5284	Royal Coachman Motel
		5320	Admiral Motel
		5320	Residential
		5328	B'Nai Jacob Synagogue
		5342	Cadillac Motel
		5342 - 5374	Residential
		5376	Jo-An Gift Shop
		5380	Residential
		5384	Lucille Beauty Salon
		5204	Mai Kai Restaurant
		5438	Capri Restaurant & Tavern
		5444 - 5446	Residential
		5460	Central Shell Service Station
		5500	Dairy Queen Brazier Store
		5510	Cupolo's Cycle & Sports Limited
		5536	Vacant
		5550	Bacon & Eggs Pancake House
1975	Stanley Ave (East side)		
		5720 - 5724	Residential
		5736	Central Motors & Body repairs
		5742 - 5762	Residential
		5772	White Rose Motel
		5784	Colonial Restaurant
		5792 - 5962	Residential
		6000	Universal Motor Lodge limited
		6004	Maple Leaf Garage & Auto Body Ltd
		6022 - 6062	Residential
1975	Stanley Ave (West side)		
		5687	Residential
		5719	Armenti's Market
		5731	Fiore's Disposal Service
		5737 - 5783	Residential
		5803	Knott's Motel
		5817 - 5983	Residential
		5993	Kingdom Hall of Jehovah's Witness
		6015 - 6041	Residential
		6043	Mallouks Candy Kitchen
		6043 - 6099	Residential

Date	Location Description	Address	Property Name
1975	Buchanan Ave (East side)		
		5740 - 5798	Residential
		5802	The Shoe Shop
		5812	Vacant
		5826 - 5940	Residential
		5848	Canada Post Office
		5848	Damato's Variety
		5850	Detroit Distributors
		5852	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5888 - 5930	Residential
		5958	Fairway Motel
		5972 - 6030	Residential
		6040	Goodwill Electric Supplies Limited
		6050 - 6064	Residential
1975	Buchanan Ave (West side)		
		5721 - 5815	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5913	Residential
		5927 - 6095	Residential
1975	Clark Ave (East side)		
		5928 - 6304	Residential
1975	Clarke Ave (West side)		
		5911 - 5983	Residential
		5993	Flexo Products (Niagara) Ltd
		6029	May Foundry Company
1975	Spring Street (North side)		
		5441 - 5549	Residential
1975	Spring Street (South side)		
		5370 - 5544	Residential
1975	Allendale Ave (East side)		
	* Labelled as Allen Ave*	5916 - 6092	Residential
1975	Allendale Ave (West side)		
	* Labelled as Allen Ave*		
		6257	Residential
1975	McGrail Ave (East side)		
		5902	Residential

Date	Location Description	Address	Property Name
1975	McGrail Ave (West side)		
		5893 - 5909	Residential
1975	Ellen Ave (East side)		
			Undeveloped
1975	Ellen Ave (West side)		
		5823 - 5925	Residential

Date	Location Description	Address	Property Name
1979	Ferry Street (North Side)		
		5257	The Lamplighter Motel
		5283	Four Brothers Restaurant & Tavern
		5317	Howards Johnson's Restaurant & Tavern
		5329	Hungarian Tavern
		5329 - 5341	Residential
		5343	Mary's Restaurant
		5355	Lincoln Arms Tavern
		5365	Residential
		5365	Rocco's Billiards
		5365	Cut - Rate Souvenir & Gifts
		5375	Liquor Control Board of Ontario
		5375	Dansk Factory Outlet
		5401	Niagara's Gifts & Souvenirs
		5509	Vacant
		5525	King's inn Motor Lodge Ltd
		5543 - 5549	Residential
		5553	Marco Polo Spaghetti House & Pizzeria
		5553 - 5613	Residential
1979	Ferry Street (South side)		
		5434	Wedgewood Motel
		5276	Salvatore's Steak House
		5284	Royal Coachman Motel
		5320	Admiral Motel
		5328	Synagogue
		5342	Cadillac Motel
		5342 - 5370	Residential
		5380	Jo-An Gift Shop
		5384	Residential
		5402	Mai Kai Restaurant
		5420	Residential
		5438	Capri Restaurant & Tavern
		5444	Residential

Date	Location Description	Address	Property Name
1979	Ferry Street (South side)		
		5446	Bril Zenon Mortgage Broker & Consultant
		5460	Beaver Service Centre
		5500	Dairy Queen Brazier Store
		5510	Cupolo's Cycle & Sports Limited
		5536	Vacant
		5550	Bacon and Eggs Pancake House
1979	Stanley Ave (East side)		
		5720 - 5724	Vacant
		5736	Central Motors & Body repairs
		5742 - 5762	Residential
		5772	White Rose Motel
1979	Stanley Ave (East side)		
		5784	Colonial Restaurant
		5792 - 5962	Residential
		6000	Niagara Universal Motor Lodge
		6000	Niagara Lodge Coffee Shop
		6004	Maple Leaf Garage & Auto Body Ltd
		6022 - 6034	Residential
1979	Stanley Ave (West side)		
		5687	Residential
		5711	Casucci Construction Limited
		5719	North Pole Gifts
		5731	Fiore's Scrap Metal
		5731	Fiore's Disposal Service
		5737 - 5783	Residential
		5803	Knott's Motel
		5817 - 5983	Residential
		5993	Kingdom Hall of Jehovah's Witnesses
		6015 - 6099	Residential
1979	Buchanan Ave (East side)		
		5740 - 5834	Residential
		5940	Dansk Factory Outlet
		5848	Costa's Variety
		5850	Detroit Distributors
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5888 - 5930	Residential
		5958	Fairway Motel
		5972	Residential
		5980	Alba D'Oro Resturant
		5996 - 6030	Residential
		6040	Goodwill Electric Supplies Limited
		6050	Residential

Date	Location Description	Address	Property Name
1979	Buchanan Ave (West side)		
		5721 - 5815	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5913	Residential
		5927 - 6081	Residential
		6095	Canboro Investments limited
1979	Clark Ave (East side)		
		5928	Vescio's Restaurant
		5930 - 5966	Residential
1979	Clarke Ave (West side)		
		5947	Admiral Motel
		5947	Fairway Discount Souvenirs
		5951	Fairway Motor Hotel
		5975 - 5983	Residential
		5993	Flexo Products (Niagara) Ltd
		6029	May Foundry Company Limited
1979	Spring Street (North side)		
		5441 - 5549	Residential
1979	Spring Street (South side)		
		5388	Residential
		5512 - 5544	Residential
1979	Allendale Ave (East side)		
	* Labelled as Allen Ave*	5916	Impala Motel
		5916 - 6092	Residential
1979	Allendale Ave (West side)		
	* Labelled as Allen Ave*	6257	Residential
1979	McGrail Ave (East side)		
		5902	Residential
1979	McGrail Ave (West side)		
		5909	Residential
1979	Ellen Ave (East side)		
			Undeveloped
1979	Ellen Ave (West side)		
		5831 - 5885	Residential
		5925	Howard Johnson's Restaurant

Date	Location Description	Address	Property Name
1981	Ferry Street (North Side)		
		5257	The Lamplighter Motel
		5283	Four Brothers Restaurant & Tavern
		5317	Howard Johnson's Restaurant & Tavern
		5329	Hungarian Tavern
		5341	Residential
		5343	Mary's Restaurant
		5355	Lincoln Arms Tavern
		5365	Residential
		5365	Rocco's Billiards
		5365	Cut - Rate Souvenir & Gifts
		5375	Liquor control board of Ontario
		5375	Dansk Factory outlet
		5401	Niagara's gifts and Souvenirs
		5427	La Riviera Motel
		5435	Canadiana Inn (Niagara) Ltd
		5485	Napoli Pizzeria & Tavern
		5485 - 5493	Residential
		5509	Residential
		5525	King's Inn Motor Lodge Ltd
		5543	Residential
		5553	Marco Polo Spaghetti House & Pizzeria
		5553 - 5613	Residential
1981	Ferry Street (South side)		
		5234	Wedgewood Motel
		5276	Salvatores's Old Town Hall Restaurant
		5284	Royal Coachman Motel
		5320	Admiral Motel
		5328	Synagogue
		5342	Cadillac Motel
		5342 - 5370	Residential
		5380	Jo-An Gift shop
		5384	Residential
		5402	Mai Kai Restaurant
		5420	Residential
		5438	Capri Restaurant & Tavern
		5444	Residential
		5446	Bril Zenon Mortgage Broker & Consultant
		5460	Beaver Service Centre
		5500	Dairy Queen Brazier Store
		5510	Cupolo's cycle & Sports Limited
		5536	Vacant
		5550	Bacon & Eggs Pancakes House

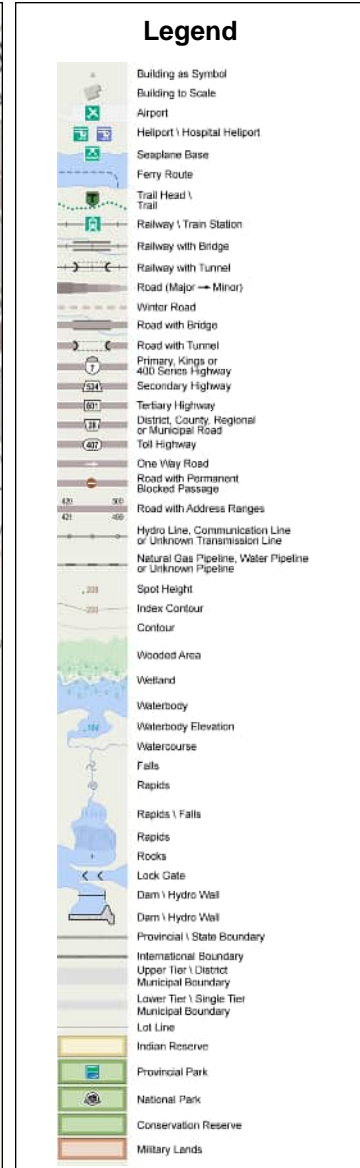
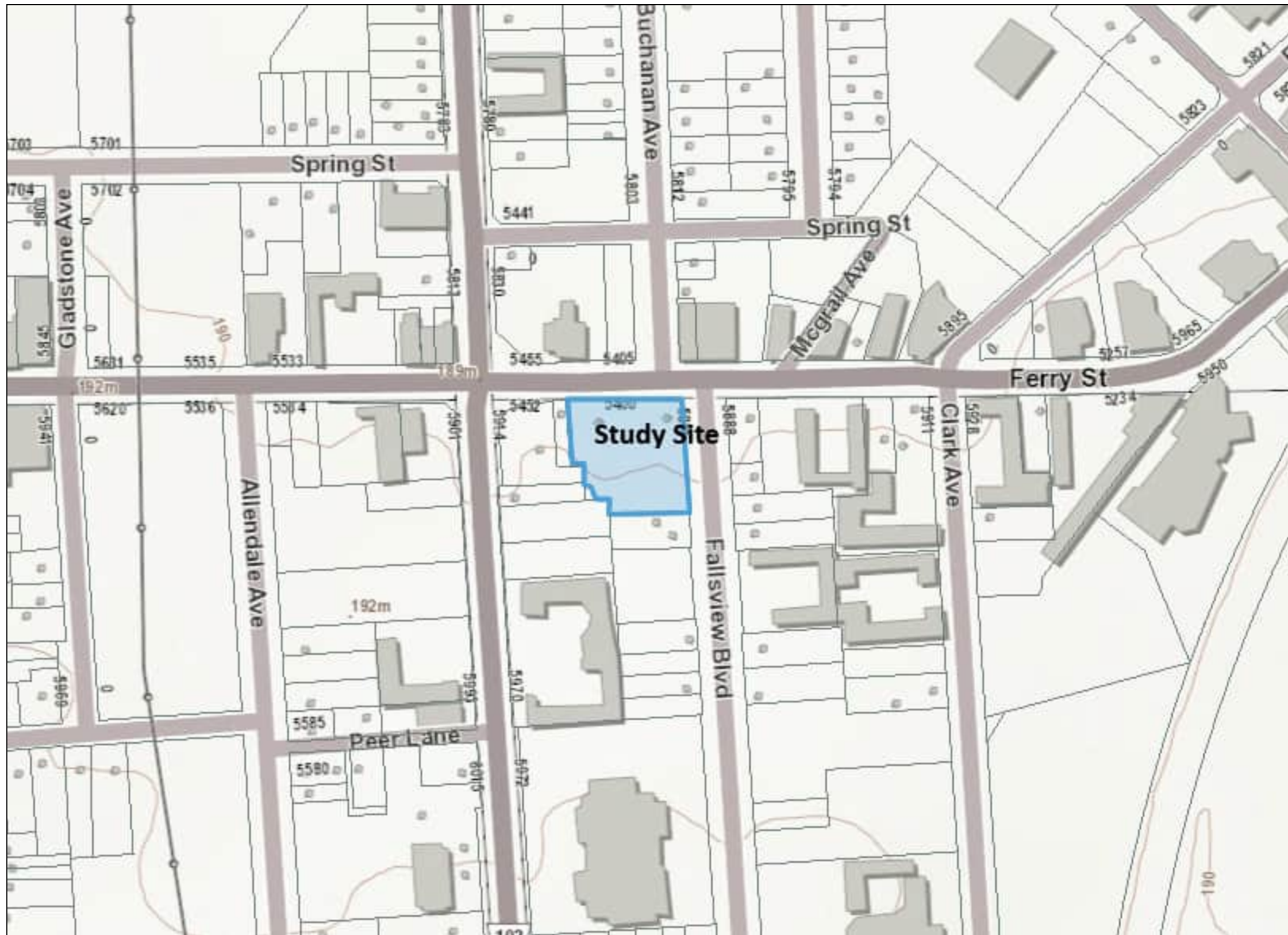
Date	Location Description	Address	Property Name
1981	Stanley Ave (East side)		
		5720 - 5724	Residential
		5736	Central Motors & Body Repairs
		5742	Residential
		5772	White Rose Motel
		5784	Colonial Restaurant
		5792 - 5830	Residential
		5460	Beaver Service Centre
		5914 - 5962	Residential
		6000	Niagara Universal Motor Lodge
		6004	Maple Leaf Towing
		6022	Residential
1981	Stanley Ave (West side)		
		5687	Casucci Construction Limited
		5719	North Pole Furs & Gifts Ltd
		5719	Residential
		5731	Fiore's Scrap Metal
		5737 - 5783	Residential
		5803	Sunset Inn
		5839 - 5983	Residential
		5993	Kingdom Hall of Jehovah's Witnesses
		6015 - 6099	Residential
1981	Buchanan Ave (East side)		
		5740 - 5798	Residential
		5812	Wee Care Day Care
		5826 - 5834	Residential
		5848	Costa's Variety
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5888 - 5972	Residential
		5980	Alba D'Oro Restaurant
		5996 - 6030	Residential
		6040	Goodwill Electric Supplies Limited
		6050	Residential
1981	Buchanan Ave (West side)		
		5721 - 5815	Residential
	Labelled as Buchanan Ave, currently Fallsview Blvd		**South of Ferry Street**
		5913	Residential
		5927 - 6095	Residential
1981	Clark Ave (East side)		
		5928	Vescio's Restaurant

Date	Location Description	Address	Property Name
1981	Clarke Ave (West side)		
		5947	Admiral Motel
		5947	Fairway Discount Souvenirs
		5951	Fairway Motor Hotel
		5975 - 5983	Residential
		5983	Saturn Ceramics
		5983 - 6029	Vacant
1981	Spring Street (North side)		
		5441 - 5549	Residential
1981	Spring Street (South side)		
		5388 - 5544	Residential
1981	Allendale Ave (East side)		
		5916	Impala Motel
		5946 - 6000	Residential
		6014 - 6092	Residential
1981	Allendale Ave (West side)		
			Undeveloped
1981	McGrail Ave (East side)		
			Undeveloped
1981	McGrail Ave (West side)		
		5909	Residential
1981	Ellen Ave (East side)		
			Undeveloped
1981	Ellen Ave (West side)		
		5849 - 5885	
		5925	Howard Johnson's Restaurant

Notes:

- ss: south side, ns: north side.
- Highlighted properties indicate study site.
- Red text indicates a Potentially Contaminating Activity

Appendix D:
Ministry of Natural Resources Natural Heritage Map



0 0.2 km

Projection: Web Mercator



The Ontario Ministry of Natural Resources and Forestry shall not be liable in any way for the use of, or reliance upon, this map or any information on this map. This map should not be used for: navigation, a plan of survey, routes, nor locations.

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Appendix E:
EcoLog ERIS



DATABASE REPORT

Project Property: *5438 Ferry Street, Niagara Falls, ON
5438 Ferry Street
Niagara Falls ON L2G 3R5*

Project No: *E-22-32-1*

Report Type: *Standard Report*

Order No: *22070700370*

Requested by: *Hallex Environmental Ltd.*

Date Completed: *July 12, 2022*

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

Table of Contents

Table of Contents.....	2
Executive Summary.....	3
Executive Summary: Report Summary.....	4
Executive Summary: Site Report Summary - Project Property.....	6
Executive Summary: Site Report Summary - Surrounding Properties.....	7
Executive Summary: Summary By Data Source.....	13
Map.....	22
Aerial.....	23
Topographic Map.....	24
Detail Report.....	25
Unplottable Summary.....	74
Unplottable Report.....	76
Appendix: Database Descriptions.....	87
Definitions.....	96

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Executive Summary

Property Information:

Project Property: 5438 Ferry Street, Niagara Falls, ON
5438 Ferry Street Niagara Falls ON L2G 3R5

Project No: E-22-32-1

Coordinates:

Latitude: 43.0894023
Longitude: -79.0841441
UTM Northing: 4,772,524.17
UTM Easting: 655,933.65
UTM Zone: 17T

Elevation: 619 FT
188.77 M

Order Information:

Order No: 22070700370
Date Requested: July 7, 2022
Requested by: Hallex Environmental Ltd.
Report Type: Standard Report

Historical/Products:

ERIS Xplorer [ERIS Xplorer](#)
Insurance Products Fire Insurance Maps/Inspection Reports/Site Plans

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Within 0.25 km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	1	1
CA	<i>Certificates of Approval</i>	Y	0	2	2
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	9	9
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	17	17
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	7	7
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	13	13
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	0	0
HINC	<i>TSSA Historic Incidents</i>	Y	0	0	0
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	<i>Fuel Oil Spills and Leaks</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defense & Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	Y	0	0	0
NEBI	<i>National Energy Board Pipeline Incidents</i>	Y	0	0	0
NEBP	<i>National Energy Board Wells</i>	Y	0	0	0
NEES	<i>National Environmental Emergencies System (NEES)</i>	Y	0	0	0
NPCB	<i>National PCB Inventory</i>	Y	0	0	0
NPRI	<i>National Pollutant Release Inventory</i>	Y	0	0	0
OGWE	<i>Oil and Gas Wells</i>	Y	0	0	0
OGW	<i>Ontario Oil and Gas Wells</i>	Y	0	0	0
OPCB	<i>Inventory of PCB Storage Sites</i>	Y	0	0	0
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	Y	0	0	0
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	Y	0	0	0
PES	<i>Pesticide Register</i>	Y	0	0	0
PINC	<i>Pipeline Incidents</i>	Y	0	2	2
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	1	1
PTTW	<i>Permit to Take Water</i>	Y	0	1	1
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	Y	0	0	0
RSC	<i>Record of Site Condition</i>	Y	0	2	2
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	4	4
SCT	<i>Scott's Manufacturing Directory</i>	Y	0	0	0
SPL	<i>Ontario Spills</i>	Y	0	4	4
SRDS	<i>Wastewater Discharger Registration Database</i>	Y	0	0	0
TANK	<i>Anderson's Storage Tanks</i>	Y	0	0	0
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	Y	0	0	0
VAR	<i>Variances for Abandonment of Underground Storage Tanks</i>	Y	0	0	0
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	Y	0	0	0
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	Y	0	0	0
WWIS	<i>Water Well Information System</i>	Y	0	8	8
Total:			0	73	73

Executive Summary: Site Report Summary - Project Property

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

Executive Summary: Site Report Summary - Surrounding Properties

<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	EHS		5446 Ferry St. Niagara Falls ON L2G 1S1	NW/8.7	-0.02	25
2	EHS		5420 Ferry Street Niagara ON	E/25.2	0.01	25
3	PRT	BEAVER FUELS MANAGEMENT LIMITED ATTENTION: MIRIAM	5460 FERRY ST @ STANLEY NIAGARA FALLS ON L2G 1S1	WSW/33.5	0.96	25
3	RST	BEAVER GAS BARS	5460 FERRY ST NIAGARA FALLS ON L2G1S1	WSW/33.5	0.96	25
3	RST	BEAVER FUELS	5460 FERRY ST NFLS ON L2G 1S1	WSW/33.5	0.96	25
3	RST	BEAVER FUELS	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW/33.5	0.96	26
3	FSTH	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW/33.5	0.96	26
3	EHS		5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	26
3	SPL	Harmac Transportation Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	27
3	FSTH	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW/33.5	0.96	27
3	EHS		5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	28
3	DTNK	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS ON	WSW/33.5	0.96	28

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>3</u>	DTNK	MAC'S CONVENIENCE STORES INC**	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW/33.5	0.96	<u>28</u>
<u>3</u>	DTNK	MAC'S CONVENIENCE STORES INC**	5460 FERRY ST NIAGARA FALLS ON	WSW/33.5	0.96	<u>29</u>
<u>3</u>	DTNK	MAC'S CONVENIENCE STORES INC**	5460 FERRY ST NIAGARA FALLS ON	WSW/33.5	0.96	<u>30</u>
<u>3</u>	GEN	Shell Canada Products	5460 Ferry St Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>30</u>
<u>3</u>	GEN	Shell Canada Products	5460 Ferry St Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>31</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>31</u>
<u>3</u>	FST	MAC'S CONVENIENCE STORES INC	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>31</u>
<u>3</u>	FST	MAC'S CONVENIENCE STORES INC	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>32</u>
<u>3</u>	FST	MAC'S CONVENIENCE STORES INC	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>32</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>33</u>
<u>3</u>	RST	BEAVER FUELS	5460 FERRY ST NIAGARA FALLS ON L2G1S1	WSW/33.5	0.96	<u>33</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON	WSW/33.5	0.96	<u>33</u>
<u>3</u>	DTNK	SALWAN DAIED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA	WSW/33.5	0.96	<u>33</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			ON			
<u>3</u>	DTNK	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>34</u>
<u>3</u>	DTNK	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>34</u>
<u>3</u>	DTNK	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>35</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>36</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>36</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>36</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>36</u>
<u>3</u>	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	<u>37</u>
<u>3</u>	FST	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>37</u>
<u>3</u>	DTNK		5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW/33.5	0.96	<u>38</u>
<u>3</u>	FST	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>38</u>
<u>3</u>	FST	SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	<u>39</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
3	FST	SALWAN DAIED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW/33.5	0.96	39
3	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	40
3	GEN	Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW/33.5	0.96	40
4	GEN	Days Inn	5943 Victoria Ave Niagara Falls ON L2G3L8	NW/47.1	0.01	40
5	WWIS		5460 FERRY STREET Niagara Falls ON Well ID: 7174200	W/50.9	1.06	40
6	WWIS		5460 FERRY STREET Niagara Falls ON Well ID: 7174201	WSW/55.2	1.06	44
7	CA	NIAGARA FALLS CITY	STANLEY AVE./PERRY ST./ NIAGARA FALLS CITY ON	W/64.4	0.52	47
8	EHS		5375 and 5383 Ferry St Niagara Falls ON	ENE/75.3	0.07	47
9	EHS		5365 Ferry Street Niagara Falls ON L2G 1R9	ENE/96.2	0.04	47
10	CA	NIAGARA FALLS CITY	MCGRAIL AVE./FERRY ST. NIAGARA FALLS CITY ON	E/104.1	0.18	48
11	RSC	LA PUE INTERNATIONAL INC.	5510 FERRY STREET, NIAGARA FALLS, ON L2G 1S4 Niagara Falls ON	W/110.8	1.06	48
11	PTTW	La Pue International Inc.	5510 Ferry Street Niagara Falls, ON Canada ON	W/110.8	1.06	49
12	WWIS		ON	W/111.7	0.88	50

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 7325255			
13	EHS		5389 Ferry St Niagara Falls ON L2G 3V4	ENE/116.1	-0.53	51
14	BORE		ON	E/121.6	0.51	51
15	WWIS		ON Well ID: 7361333	W/133.7	0.88	52
16	WWIS		ON Well ID: 7361332	SW/134.2	2.45	53
17	WWIS		5700 STANLEY AVE lot 798 NIAGARA FALLS ON Well ID: 7043858	NNW/137.3	-1.79	54
18	EHS		5916 Allendale Ave Niagara Falls ON L2G3Z3	WSW/141.1	1.98	62
19	EHS		5341-5355 Ferry Street Niagara Falls ON L2G 1R8	ENE/145.2	0.06	62
20	EHS		5958 Fallsview Blvd Niagara Falls ON L2G3V5	SE/146.3	3.02	62
21	WWIS		5510 FERRY ST lot 143 Niagara Falls ON Well ID: 7345802	WSW/147.6	1.25	62
22	RSC	HORSESHOE PARKING INC.	5329 FERRY STREET, NIAGARA FALLS, ON L2G 1R8 Niagara Falls ON	E/165.2	0.17	65
23	SPL		5329 Ferry St Niagara Falls ON	E/165.7	0.06	66
23	EHS		5329 Ferry St Niagara Falls ON L2G1R8	E/165.7	0.06	67
24	EHS		5320 Ferry St Niagara Falls ON L2G1R7	E/171.0	0.49	67

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	EHS		5550 Ferry Street Niagara Falls ON L2G 1S4	W/172.1	0.91	67
26	EHS		5972-5980 Fallsview Boulevard Niagara Falls ON L2G 3V5	SE/172.6	4.66	67
27	EHS		5320 Ferry St Niagara Falls ON L2G1R7	ESE/174.7	2.16	68
28	PINC	Pipeline Hit	5532 SPRING STREET,,NIAGARA FALLS, ON,L2G 1P5,CA ON	WNW/197.2	-0.94	68
29	WWIS		ALLENDALE AVENUE Niagara Falls ON Well ID: 7224736	WSW/203.8	2.06	68
30	SPL	PRIVATE RESIDENCE	5523 SPRING ST. 416-354-3776 FURNACE OIL TANK NIAGARA FALLS CITY ON L2G 1P6	NW/210.3	-1.49	71
31	EHS		6045 Stanley Avenue Niagara Falls ON L2G 3Y3	SSW/235.7	5.35	72
32	EHS		5928 Clark Ave Niagara Falls ON L2G3W4	ESE/246.2	3.43	72
33	PINC	LIPTONS	5740 BUCHANAN AVENUE,,NIAGARA FALLS,ON,L2G 3V3,CA ON	NNE/250.0	-2.94	72
33	SPL	Enbridge Gas Distribution Inc.	5740 Buchanan Avenue Niagara Falls ON	NNE/250.0	-2.94	72

Executive Summary: Summary By Data Source

BORE - Borehole

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	E	121.61	<u>14</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
NIAGARA FALLS CITY	STANLEY AVE./PERRY ST./ NIAGARA FALLS CITY ON	W	64.37	<u>7</u>
NIAGARA FALLS CITY	MCGRAIL AVE./FERRY ST. NIAGARA FALLS CITY ON	E	104.06	<u>10</u>

DTNK - Delisted Fuel Tanks

A search of the DTNK database, dated Feb 28, 2022 has found that there are 9 DTNK site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
SALWAN DAIRED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	<u>3</u>
	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW	33.50	<u>3</u>
SALWAN DAIRED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	<u>3</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	<u>3</u>
SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	<u>3</u>
MAC'S CONVENIENCE STORES INC**	5460 FERRY ST NIAGARA FALLS ON	WSW	33.50	<u>3</u>
MAC'S CONVENIENCE STORES INC**	5460 FERRY ST NIAGARA FALLS ON	WSW	33.50	<u>3</u>
MAC'S CONVENIENCE STORES INC**	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW	33.50	<u>3</u>
SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS ON	WSW	33.50	<u>3</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Mar 31, 2022 has found that there are 17 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	5420 Ferry Street Niagara ON	E	25.21	<u>2</u>
	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
	5375 and 5383 Ferry St Niagara Falls ON	ENE	75.33	<u>8</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	5365 Ferry Street Niagara Falls ON L2G 1R9	ENE	96.24	<u>9</u>
	5916 Allendale Ave Niagara Falls ON L2G3Z3	WSW	141.12	<u>18</u>
	5341-5355 Ferry Street Niagara Falls ON L2G 1R8	ENE	145.17	<u>19</u>
	5958 Fallsview Blvd Niagara Falls ON L2G3V5	SE	146.28	<u>20</u>
	5329 Ferry St Niagara Falls ON L2G1R8	E	165.70	<u>23</u>
	5320 Ferry St Niagara Falls ON L2G1R7	E	171.02	<u>24</u>
	5550 Ferry Street Niagara Falls ON L2G 1S4	W	172.05	<u>25</u>
	5972-5980 Fallsview Boulevard Niagara Falls ON L2G 3V5	SE	172.59	<u>26</u>
	5320 Ferry St Niagara Falls ON L2G1R7	ESE	174.66	<u>27</u>
	6045 Stanley Avenue Niagara Falls ON L2G 3Y3	SSW	235.68	<u>31</u>
	5928 Clark Ave Niagara Falls ON L2G3W4	ESE	246.18	<u>32</u>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
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5446 Ferry St. Niagara Falls ON L2G 1S1	NW	8.73	1
5389 Ferry St Niagara Falls ON L2G 3V4	ENE	116.15	13

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2022 has found that there are 7 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
MAC'S CONVENIENCE STORES INC	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	3
MAC'S CONVENIENCE STORES INC	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	3
MAC'S CONVENIENCE STORES INC	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	3
SALWAN DAIRED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	3
SALWAN DAIRED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	3
SALWAN DAIRED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	3
SALWAN DAIRED O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	WSW	33.50	3

FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW	33.50	<u>3</u>
SALWAN DAIREO O/A BEAVER GAS BAR	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW	33.50	<u>3</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Feb 28, 2022 has found that there are 13 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Shell Canada Products	5460 Ferry St Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Shell Canada Products	5460 Ferry St Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Mac's Convenience Stores Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>
Days Inn	5943 Victoria Ave Niagara Falls ON L2G3L8	NW	47.10	<u>4</u>

PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Pipeline Hit	5532 SPRING STREET,,NIAGARA FALLS,ON,L2G 1P5,CA ON	WNW	197.21	<u>28</u>
LIPTONS	5740 BUCHANAN AVENUE,,NIAGARA FALLS,ON,L2G 3V3,CA ON	NNE	249.98	<u>33</u>

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BEAVER FUELS MANAGEMENT LIMITED ATTENTION: MIRIAM	5460 FERRY ST @ STANLEY NIAGARA FALLS ON L2G 1S1	WSW	33.50	<u>3</u>

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994 - May 31, 2022 has found that there are 1 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
La Pue International Inc.	5510 Ferry Street Niagara Falls, ON Canada ON	W	110.82	11

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-May 2022 has found that there are 2 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
LA PUE INTERNATIONAL INC.	5510 FERRY STREET, NIAGARA FALLS, ON L2G 1S4 Niagara Falls ON	W	110.82	11
HORSESHOE PARKING INC.	5329 FERRY STREET, NIAGARA FALLS, ON L2G 1R8 Niagara Falls ON	E	165.25	22

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-Sep 30, 2021 has found that there are 4 RST site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
BEAVER FUELS	5460 FERRY ST NIAGARA FALLS ON L2G1S1	WSW	33.50	3
BEAVER FUELS	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	WSW	33.50	3
BEAVER GAS BARS	5460 FERRY ST NIAGARA FALLS ON L2G1S1	WSW	33.50	3
BEAVER FUELS	5460 FERRY ST NFLS ON L2G 1S1	WSW	33.50	3

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020; Dec 2020-Mar 2021 has found that there are 4 SPL site(s) within approximately

0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
Harmac Transportation Inc.	5460 Ferry Street Niagara Falls ON L2G 1S1	WSW	33.50	<u>3</u>

	5329 Ferry St Niagara Falls ON	E	165.70	<u>23</u>
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<u>Lower Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
PRIVATE RESIDENCE	5523 SPRING ST. 416-354-3776 FURNACE OIL TANK NIAGARA FALLS CITY ON L2G 1P6	NW	210.30	<u>30</u>

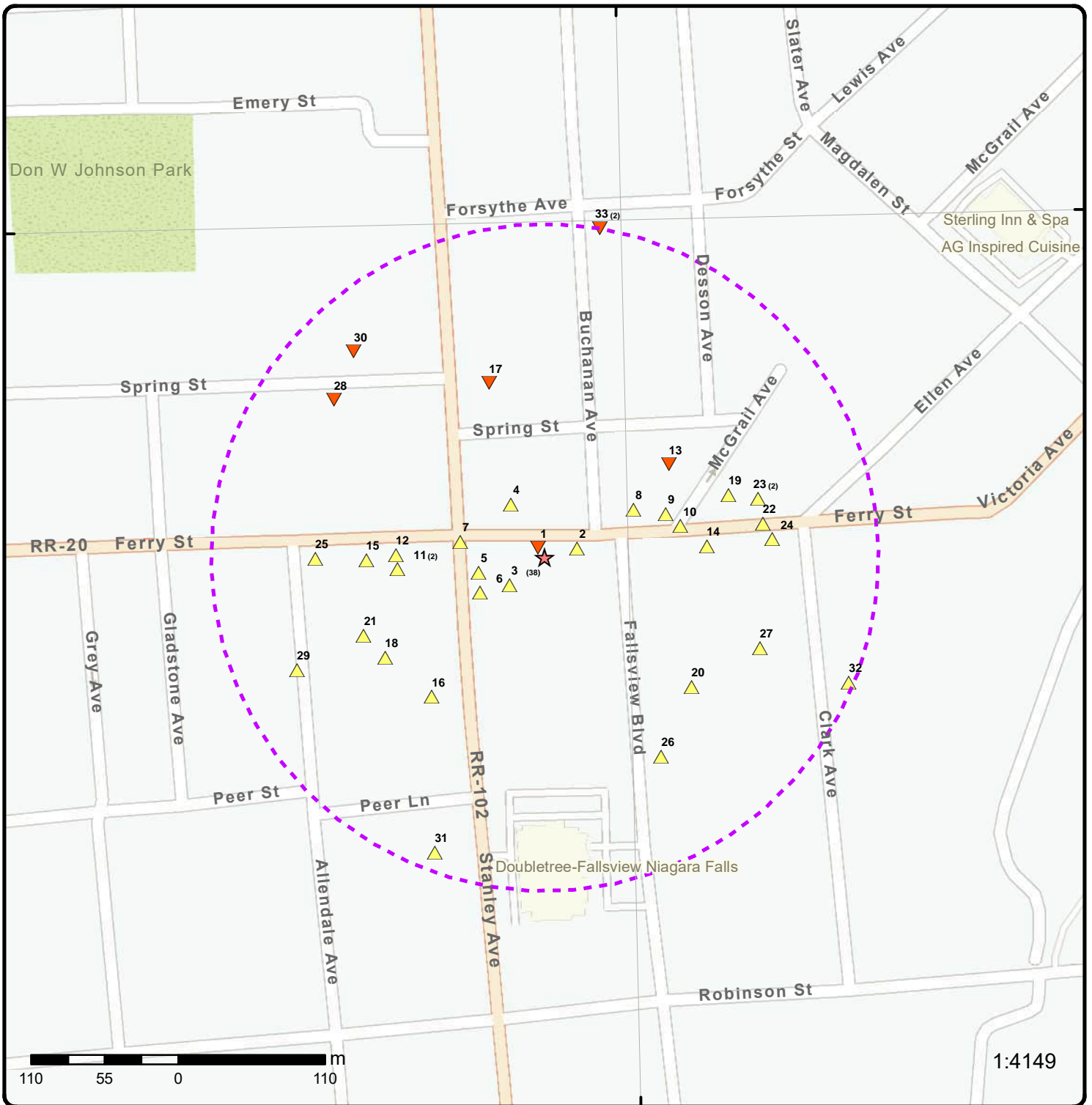
Enbridge Gas Distribution Inc.	5740 Buchanan Avenue Niagara Falls ON	NNE	249.98	<u>33</u>
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WWIS - Water Well Information System

A search of the WWIS database, dated Jan 31, 2022 has found that there are 8 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	5460 FERRY STREET Niagara Falls ON <i>Well ID: 7174200</i>	W	50.89	<u>5</u>
	5460 FERRY STREET Niagara Falls ON <i>Well ID: 7174201</i>	WSW	55.24	<u>6</u>
	ON <i>Well ID: 7325255</i>	W	111.66	<u>12</u>
	ON <i>Well ID: 7361333</i>	W	133.67	<u>15</u>
	ON <i>Well ID: 7361332</i>	SW	134.23	<u>16</u>

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction</u>	<u>Distance (m)</u>	<u>Map Key</u>
	5510 FERRY ST lot 143 Niagara Falls ON <i>Well ID:</i> 7345802	WSW	147.60	21
	ALLENDALE AVENUE Niagara Falls ON <i>Well ID:</i> 7224736	WSW	203.84	29
 <u>Lower Elevation</u>	 <u>Address</u>	 <u>Direction</u>	 <u>Distance (m)</u>	 <u>Map Key</u>
	5700 STANLEY AVE lot 798 NIAGARA FALLS ON <i>Well ID:</i> 7043858	NNW	137.30	17



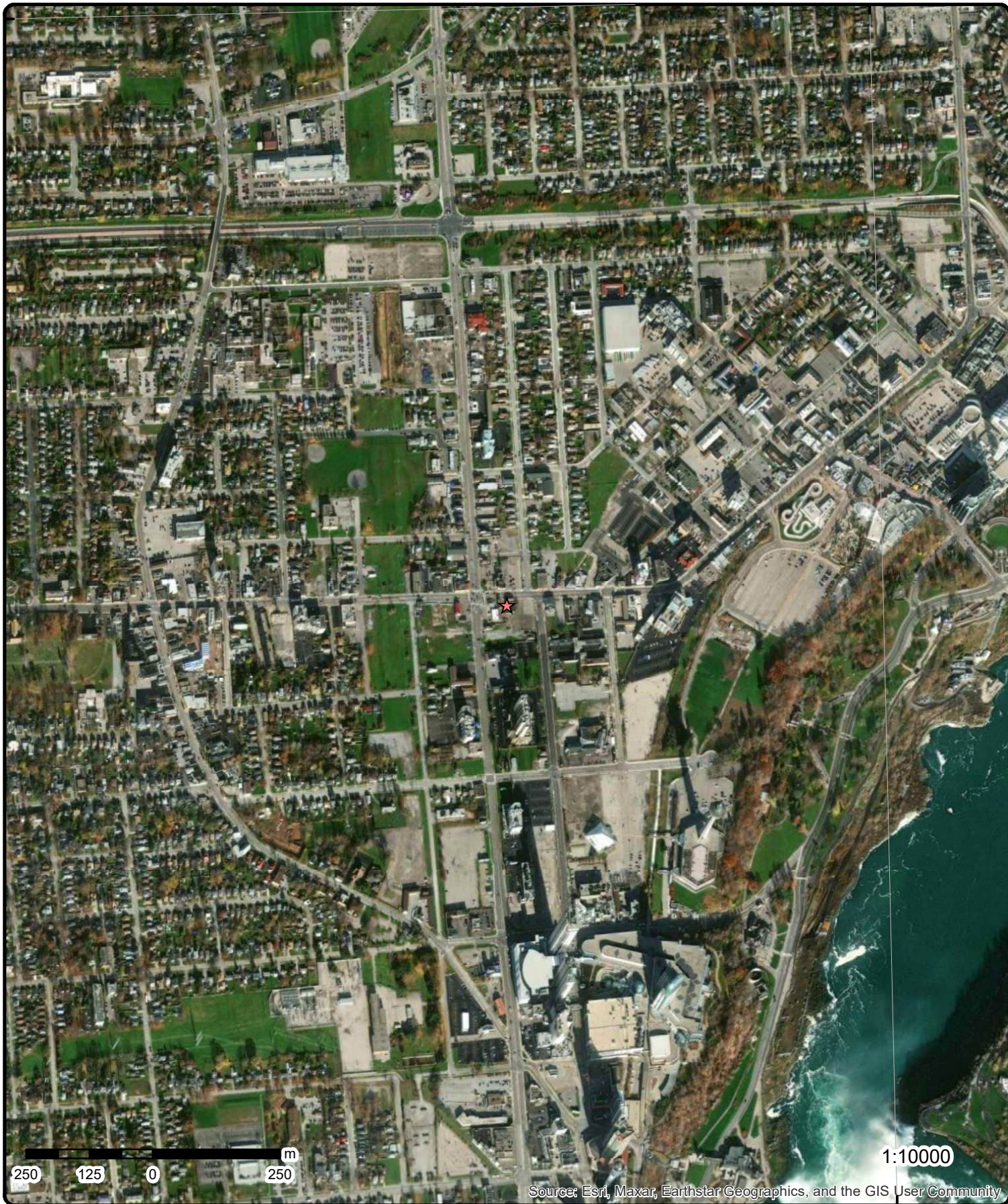
Map: 0.25 Kilometer Radius

Order Number: 22070700370

Address: 5438 Ferry Street, Niagara Falls, ON



Project Property	Freeways; Highways	Beach	Shopping & Sports Area
Buffer Outline	Traffic Circle; Ramp	Airport	University/College
Eris Sites with Higher Elevation	Major Arterial; Minor Arterial	Industrial Area	Cemetery; Golf Course
Eris Sites with Same Elevation	Local Road	Military Base	Park (National)
Eris Sites with Lower Elevation	Service Road; Traffic Circle; Ramp	Aircraft Roads	Park (City/County)
Eris Sites with Unknown Elevation	Rail	Native Reservation	
		Hospital	



Aerial Year: 2021

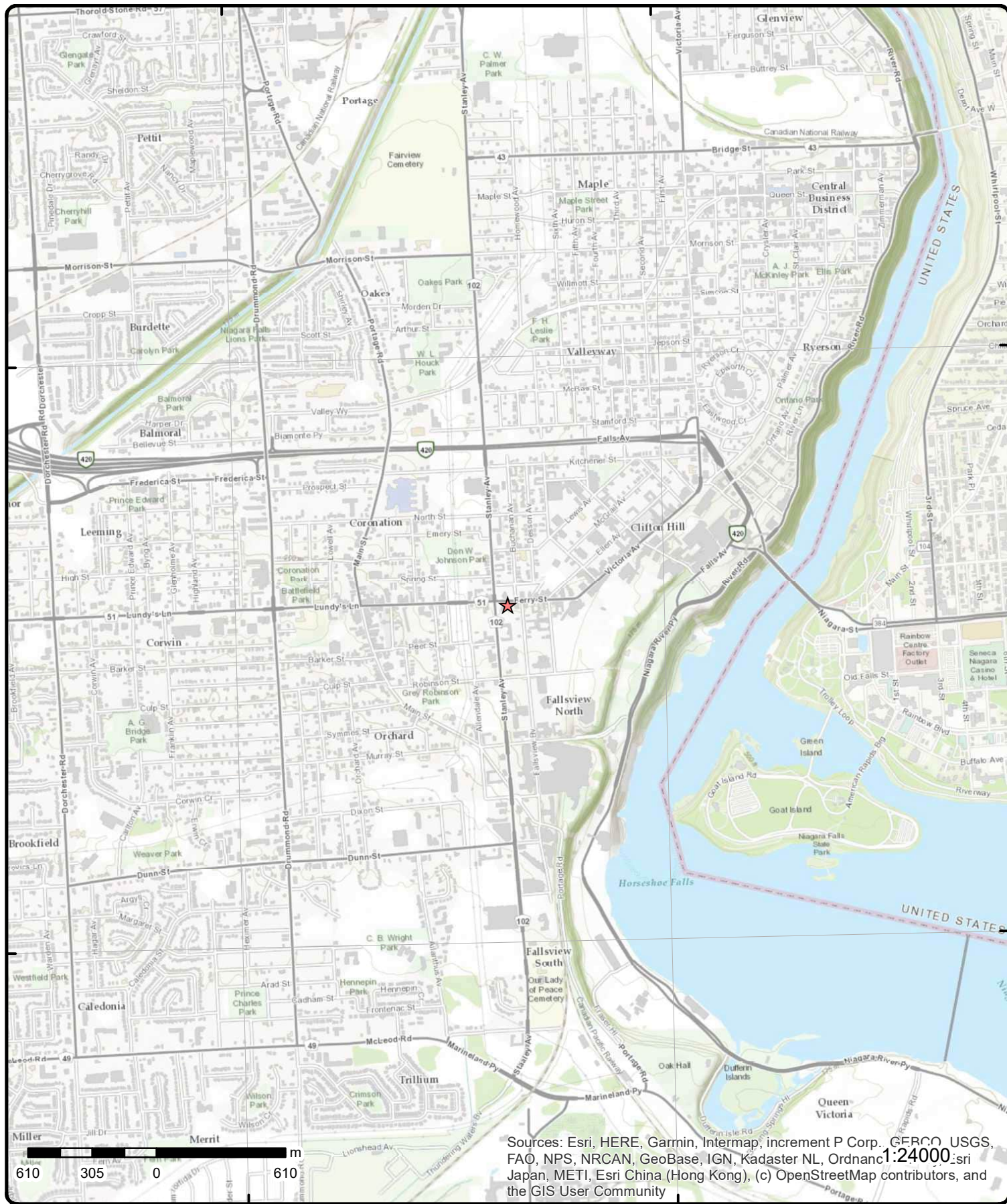
Order Number: 22070700370

Address: 5438 Ferry Street, Niagara Falls, ON



Source: ESRI World Imagery

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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: 5438 Ferry Street, ON

Source: ESRI World Topographic Map

Order Number: 22070700370



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>1</u>	1 of 1	NW/8.7	188.7 / -0.02	5446 Ferry St. Niagara Falls ON L2G 1S1	EHS
Order No: 20120330036 Status: C Report Type: Standard Report Report Date: 4/11/2012 1:18:28 PM Date Received: 3/30/2012 1:16:26 PM Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans;		Nearest Intersection: Municipality: Niagara Falls Client Prov/State: ON Search Radius (km): 0.25 X: -79.084205 Y: 43.089467			
<u>2</u>	1 of 1	E/25.2	188.8 / 0.01	5420 Ferry Street Niagara ON	EHS
Order No: 20051118018 Status: C Report Type: Basic Report Report Date: 11/29/2005 Date Received: 11/18/2005 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -79.083866 Y: 43.089439			
<u>3</u>	1 of 38	WSW/33.5	189.7 / 0.96	BEAVER FUELS MANAGEMENT LIMITED ATTENTION: MIRIAM 5460 FERRY ST @ STANLEY NIAGARA FALLS ON L2G 1S1	PRT
Location ID: 9836 Type: retail Expiry Date: 1995-05-31 Capacity (L): 90800 Licence #: 0026831001					
<u>3</u>	2 of 38	WSW/33.5	189.7 / 0.96	BEAVER GAS BARS 5460 FERRY ST NIAGARA FALLS ON L2G1S1	RST
Headcode: 1186800 Headcode Desc: Service Stations-Gasoline, Oil & Natural Gas Phone: 9053572291 List Name: Description:					
<u>3</u>	3 of 38	WSW/33.5	189.7 / 0.96	BEAVER FUELS 5460 FERRY ST NFLS ON L2G 1S1	RST

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Headcode:		1186800			
Headcode Desc:		Service Stations-Gasoline, Oil & Natural Gas			
Phone:		9053572291			
List Name:					
Description:					
<u>3</u>	4 of 38	WSW/33.5	189.7 / 0.96	BEAVER FUELS 5460 FERRY ST NIAGARA FALLS ON L2G 1S1	RST
Headcode:		01186800			
Headcode Desc:		SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
Phone:					
List Name:					
Description:					
<u>3</u>	5 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIRD O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS ON L2G 1S1	FSTH
License Issue Date:		12/13/2004			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Full Serve			
--Details--					
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1993			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Double Wall UST - Gasoline			
<u>3</u>	6 of 38	WSW/33.5	189.7 / 0.96	5460 Ferry Street Niagara Falls ON L2G 1S1	EHS
Order No:		20070208015		Nearest Intersection:	
Status:		C		Municipality:	
Report Type:		CAN - Complete Report		Client Prov/State:	
Report Date:		2/16/2007		Search Radius (km): 0.25	
Date Received:		2/8/2007		X: -79.084554	
Previous Site Name:				Y: 43.089261	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Lot/Building Size:					
Additional Info Ordered:		Fire Insur. Maps And /or Site Plans			
<u>3</u>	7 of 38	WSW/33.5	189.7 / 0.96	Harmac Transportation Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	SPL
Ref No:	6188-633FRX			Discharger Report:	
Site No:				Material Group:	Oil
Incident Dt:	7/20/2004			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Overflow (Tanks Lagoons)			Sector Type:	Service Station
Incident Event:				Agency Involved:	
Contaminant Code:	12			Nearest Watercourse:	
Contaminant Name:	GASOLINE			Site Address:	
Contaminant Limit 1:				Site District Office:	Niagara
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	West Central
Environment Impact:	Possible			Site Municipality:	Niagara Falls
Nature of Impact:				Site Lot:	
Receiving Medium:	Land			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	7/20/2004			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Spill to Land
Incident Reason:	Negligence (Apparent) - Caused by lack of diligence			Source Type:	
Site Name:	BEAVER SERVICE STATION<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Harmac Transport: 20 L Gasoline to Grd				
Contaminant Qty:	20 L				

<u>3</u>	8 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS ON L2G 1S1	FSTH
License Issue Date:	12/13/2004 2:58:00 PM				
Tank Status:	Licensed				
Tank Status As Of:	December 2008				
Operation Type:	Retail Fuel Outlet				
Facility Type:	Gasoline Station - Full Serve				
--Details--					
Status:	Active				
Year of Installation:	1994				
Corrosion Protection:					
Capacity:	22700				
Tank Fuel Type:	Liquid Fuel Single Wall AST - Gasoline				
Status:	Active				
Year of Installation:	1994				
Corrosion Protection:					
Capacity:	22700				
Tank Fuel Type:	Liquid Fuel Single Wall AST - Gasoline				
Status:	Active				
Year of Installation:	1993				
Corrosion Protection:					
Capacity:	22700				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1994			
Corrosion Protection:					
Capacity:		22700			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
<u>3</u>	9 of 38	WSW/33.5	189.7 / 0.96	5460 Ferry Street Niagara Falls ON L2G 1S1	EHS
Order No:		20090917028		Nearest Intersection: Ferry St. and Stanley Ave.	
Status:		C		Municipality:	
Report Type:		Standard Report		Client Prov/State: ON	
Report Date:		9/28/2009		Search Radius (km): 0.25	
Date Received:		9/17/2009		X: -79.084598	
Previous Site Name:				Y: 43.089285	
Lot/Building Size:					
Additional Info Ordered:		City Directory			
<u>3</u>	10 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS ON	DTNK
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:		36944858		Expired Date:	
Status:		EXPIRED		Max Hazard Rank:	
Instance ID:		302432		Facility Location:	
Instance Type:		FS Facility		Facility Type:	
Instance Creation Dt:				Fuel Type 2:	
Instance Install Dt:				Fuel Type 3:	
Item Description:				Panam Related:	
Manufacturer:				Panam Venue Nm:	
Model:				External Identifier:	
Serial No:				Item:	
ULC Standard:				Piping Steel:	
Quantity:				Piping Galvanized:	
Unit of Measure:				Tank Single Wall St:	
Overfill Prot Type:				Piping Underground:	
Creation Date:				Tank Underground:	
Next Periodic Str DT:				Source:	
TSSA Base Sched Cycle 2:					
TSSAMax Hazard Rank 1:					
TSSA Risk Based Periodic Yn:					
TSSA Volume of Directives:					
TSSA Periodic Exempt:					
TSSA Statutory Interval:					
TSSA Recd Insp Interva:					
TSSA Recd Tolerance:					
TSSA Program Area:					
TSSA Program Area 2:					
Description:		FS Cylinder Exchange			
Original Source:		EXP			
Record Date:		Up to Mar 2012			
<u>3</u>	11 of 38	WSW/33.5	189.7 / 0.96	MAC'S CONVENIENCE STORES INC** 5460 FERRY ST	DTNK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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NIAGARA FALLS ON L2G 1S1

Delisted Expired Fuel Safety Facilities

Instance No:	9586903	Expired Date:	2/8/2012 14:18
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:		Facility Location:	
Instance Type:	FS Facility	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			
TSSA Volume of Directives:			
TSSA Periodic Exempt:			
TSSA Statutory Interval:			
TSSA Recd Insp Interva:			
TSSA Recd Tolerance:			
TSSA Program Area:			
TSSA Program Area 2:			
Description:			
Original Source:	EXP		
Record Date:	Up to May 2013		

3	12 of 38	WSW/33.5	189.7 / 0.96	MAC'S CONVENIENCE STORES INC** 5460 FERRY ST NIAGARA FALLS ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	63784925	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	
Instance ID:	350314	Facility Location:	
Instance Type:	FS Piping	Facility Type:	
Instance Creation Dt:		Fuel Type 2:	
Instance Install Dt:		Fuel Type 3:	
Item Description:		Panam Related:	
Manufacturer:		Panam Venue Nm:	
Model:		External Identifier:	
Serial No:		Item:	
ULC Standard:		Piping Steel:	
Quantity:		Piping Galvanized:	
Unit of Measure:		Tank Single Wall St:	
Overfill Prot Type:		Piping Underground:	
Creation Date:		Tank Underground:	
Next Periodic Str DT:		Source:	
TSSA Base Sched Cycle 2:			
TSSAMax Hazard Rank 1:			
TSSA Risk Based Periodic Yn:			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: FS Piping Original Source: EXP Record Date: Up to Mar 2012					

3	13 of 38	WSW/33.5	189.7 / 0.96	MAC'S CONVENIENCE STORES INC** 5460 FERRY ST NIAGARA FALLS ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No: 11437472 Status: EXPIRED Instance ID: 84061 Instance Type: FS Piping Instance Creation Dt: Instance Install Dt: Item Description: Manufacturer: Model: Serial No: ULC Standard: Quantity: Unit of Measure: Overfill Prot Type: Creation Date: Next Periodic Str DT: TSSA Base Sched Cycle 2: TSSAMax Hazard Rank 1: TSSA Risk Based Periodic Yn: TSSA Volume of Directives: TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: FS Piping Original Source: EXP Record Date: Up to Mar 2012	Expired Date: Max Hazard Rank: Facility Location: Facility Type: Fuel Type 2: Fuel Type 3: Panam Related: Panam Venue Nm: External Identifier: Item: Piping Steel: Piping Galvanized: Tank Single Wall St: Piping Underground: Tank Underground: Source:
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3	14 of 38	WSW/33.5	189.7 / 0.96	Shell Canada Products 5460 Ferry St Niagara Falls ON L2G 1S1	GEN
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Generator No: ON3934296 SIC Code: 447110 SIC Description: Gasoline Stations with Convenience Stores Approval Years: 2009 PO Box No: Country:	Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:
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Detail(s)

Waste Class: 221

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		LIGHT FUELS			
<u>3</u>	15 of 38	WSW/33.5	189.7 / 0.96	Shell Canada Products 5460 Ferry St Niagara Falls ON L2G 1S1	GEN
Generator No:	ON3934296	Status:			
SIC Code:	447110	Co Admin:			
SIC Description:	Gasoline Stations with Convenience Stores	Choice of Contact:			
Approval Years:	2010	Phone No Admin:			
PO Box No:		Contam. Facility:			
Country:		MHSW Facility:			
<u>Detail(s)</u>					
Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
<u>3</u>	16 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No:	ON9211330	Status:			
SIC Code:	447110	Co Admin:			
SIC Description:		Choice of Contact:			
Approval Years:	2011	Phone No Admin:			
PO Box No:		Contam. Facility:			
Country:		MHSW Facility:			
<u>3</u>	17 of 38	WSW/33.5	189.7 / 0.96	MAC'S CONVENIENCE STORES INC 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	FST
Instance No:	64518597	Manufacturer:			
Status:		Serial No:			
Cont Name:		Ulc Standard:			
Instance Type:	FS Liquid Fuel Tank	Quantity:			
Item:		Unit of Measure:			
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Diesel		
Tank Type:	Double Wall UST	Fuel Type2:	NULL		
Install Date:	2/8/2012 1:15:20 PM	Fuel Type3:	NULL		
Install Year:	2012	Piping Steel:			
Years in Service:		Piping Galvanized:			
Model:	NULL	Tanks Single Wall St:			
Description:		Piping Underground:			
Capacity:	25000	No Underground:			
Tank Material:	Fiberglass (FRP)	Panam Related:			
Corrosion Protect:	Fiberglass	Panam Venue:			
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Location:					
Device Installed Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA				
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:	MAC'S CONVENIENCE STORES INC				
Item:	FS LIQUID FUEL TANK				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>3</u>	18 of 38	WSW/33.5	189.7 / 0.96	MAC'S CONVENIENCE STORES INC 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	FST

Instance No:	63784924	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank	Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Double Wall UST	Fuel Type2:	Gasoline
Install Date:	6/10/2009	Fuel Type3:	NULL
Install Year:	1996	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	50000	No Underground:	
Tank Material:	Fiberglass (FRP)	Panam Related:	
Corrosion Protect:	Fiberglass	Panam Venue:	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:	FS Gasoline Station - Self Serve		
Facility Location:			
Device Installed Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA		

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: MAC'S CONVENIENCE STORES INC
Item: FS LIQUID FUEL TANK

<u>3</u>	19 of 38	WSW/33.5	189.7 / 0.96	MAC'S CONVENIENCE STORES INC 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	FST
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Instance No:	63784923	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:	FS Liquid Fuel Tank	Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Double Wall UST	Fuel Type2:	NULL
Install Date:	6/10/2009	Fuel Type3:	NULL
Install Year:	1996	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	50000	No Underground:	
Tank Material:	Fiberglass (FRP)	Panam Related:	
Corrosion Protect:	Fiberglass	Panam Venue:	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:	FS Gasoline Station - Self Serve		
Facility Location:			
Device Installed Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA		

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: MAC'S CONVENIENCE STORES INC
Item: FS LIQUID FUEL TANK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>3</u>	20 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No:	ON9211330			Status:	
SIC Code:	447110			Co Admin:	
SIC Description:	Gasoline Stations with Convenience Stores			Choice of Contact:	
Approval Years:	2012			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

<u>3</u>	21 of 38	WSW/33.5	189.7 / 0.96	BEAVER FUELS 5460 FERRY ST NIAGARA FALLS ON L2G1S1	RST
Headcode:	01186800				
Headcode Desc:	SERVICE STATIONS GASOLINE OIL & NATURAL GAS				
Phone:	9053572291				
List Name:	INFO-DIRECT(TM) BUSINESS FILE				
Description:					

<u>3</u>	22 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON	GEN
Generator No:	ON9211330			Status:	
SIC Code:	447110			Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	2013			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:				MHSW Facility:	

Detail(s)

Waste Class: 221
Waste Class Desc: LIGHT FUELS

<u>3</u>	23 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIRD O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11437408	Expired Date:	
Status:	EXPIRED	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM	Fuel Type 2:	NULL
Instance Install Dt:	2/17/2005	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	
Quantity:	1	Piping Galvanized:	
Unit of Measure:	EA	Tank Single Wall St:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:25:21 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	NULL				
Original Source:	EXP				
Record Date:	31-JUL-2020				

[3](#) 24 of 38 WSW/33.5 189.7 / 0.96 SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON DTNK

Delisted Expired Fuel Safety Facilities

Instance No:	11437447	Expired Date:	NULL
Status:	EXPIRED	Max Hazard Rank:	NULL
Instance ID:		Facility Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA
Instance Type:		Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	7/19/2000 8:15:15 PM	Fuel Type 2:	NULL
Instance Install Dt:	2/19/2005	Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank	Panam Related:	NULL
Manufacturer:	NULL	Panam Venue Nm:	NULL
Model:	NULL	External Identifier:	NULL
Serial No:	NULL	Item:	
ULC Standard:	NULL	Piping Steel:	
Quantity:	1	Piping Galvanized:	
Unit of Measure:	EA	Tank Single Wall St:	
Overfill Prot Type:	NULL	Piping Underground:	
Creation Date:	7/5/2009 1:25:25 AM	Tank Underground:	
Next Periodic Str DT:	NULL	Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL		
TSSAMax Hazard Rank 1:	NULL		
TSSA Risk Based Periodic Yn:	NULL		
TSSA Volume of Directives:	NULL		
TSSA Periodic Exempt:	NULL		
TSSA Statutory Interval:	NULL		
TSSA Recd Insp Interva:	NULL		
TSSA Recd Tolerance:	NULL		
TSSA Program Area:	NULL		
TSSA Program Area 2:	NULL		
Description:	NULL		
Original Source:	EXP		
Record Date:	31-JUL-2020		

[3](#) 25 of 38 WSW/33.5 189.7 / 0.96 SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON DTNK

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Delisted Expired Fuel Safety Facilities</u>					
Instance No:	11437463			Expired Date:	
Status:	EXPIRED			Max Hazard Rank:	NULL
Instance ID:				Facility Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA
Instance Type:				Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	10/2/1989			Fuel Type 2:	NULL
Instance Install Dt:	10/2/1989			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:25:25 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				
TSSA Periodic Exempt:	NULL				
TSSA Statutory Interval:	NULL				
TSSA Recd Insp Interva:	NULL				
TSSA Recd Tolerance:	NULL				
TSSA Program Area:	NULL				
TSSA Program Area 2:	NULL				
Description:	NULL				
Original Source:	EXP				
Record Date:	31-JUL-2020				

<u>3</u>	26 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	DTNK
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Delisted Expired Fuel Safety Facilities

Instance No:	11437430			Expired Date:	
Status:	EXPIRED			Max Hazard Rank:	NULL
Instance ID:				Facility Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA
Instance Type:				Facility Type:	FS LIQUID FUEL TANK
Instance Creation Dt:	10/2/1989			Fuel Type 2:	NULL
Instance Install Dt:	10/2/1989			Fuel Type 3:	NULL
Item Description:	FS Liquid Fuel Tank			Panam Related:	NULL
Manufacturer:	NULL			Panam Venue Nm:	NULL
Model:	NULL			External Identifier:	NULL
Serial No:	NULL			Item:	
ULC Standard:	NULL			Piping Steel:	
Quantity:	1			Piping Galvanized:	
Unit of Measure:	EA			Tank Single Wall St:	
Overfill Prot Type:	NULL			Piping Underground:	
Creation Date:	7/5/2009 1:25:26 AM			Tank Underground:	
Next Periodic Str DT:	NULL			Source:	FS Liquid Fuel Tank
TSSA Base Sched Cycle 2:	NULL				
TSSAMax Hazard Rank 1:	NULL				
TSSA Risk Based Periodic Yn:	NULL				
TSSA Volume of Directives:	NULL				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
TSSA Periodic Exempt: TSSA Statutory Interval: TSSA Recd Insp Interva: TSSA Recd Tolerance: TSSA Program Area: TSSA Program Area 2: Description: Original Source: Record Date:		NULL NULL NULL NULL NULL NULL EXP 31-JUL-2020			
<u>3</u>	27 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No: ON9211330 SIC Code: 447110 SIC Description: 447110 Approval Years: 2016 PO Box No: Country: Canada		Status: Co Admin: Jenny Chen Choice of Contact: CO_ADMIN Phone No Admin: 416-291-4444 Ext.7321 Contam. Facility: No MHSW Facility: No			
Detail(s)					
Waste Class: 221					
Waste Class Desc: LIGHT FUELS					
<u>3</u>	28 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No: ON9211330 SIC Code: 447110 SIC Description: 447110 Approval Years: 2015 PO Box No: Country: Canada		Status: Co Admin: Jenny Chen Choice of Contact: CO_ADMIN Phone No Admin: 416-291-4444 Ext.7321 Contam. Facility: No MHSW Facility: No			
Detail(s)					
Waste Class: 221					
Waste Class Desc: LIGHT FUELS					
<u>3</u>	29 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No: ON9211330 SIC Code: 447110 SIC Description: 447110 Approval Years: 2014 PO Box No: Country: Canada		Status: Co Admin: Jenny Chen Choice of Contact: CO_ADMIN Phone No Admin: 416-291-4444 Ext.7321 Contam. Facility: No MHSW Facility: No			
Detail(s)					
Waste Class: 221					
Waste Class Desc: LIGHT FUELS					
<u>3</u>	30 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Niagara Falls ON L2G 1S1					
Generator No:	ON9211330			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Dec 2018			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	221 L				
Waste Class Desc:	Light fuels				
3	31 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No:	ON9211330			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Jul 2020			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	221 L				
Waste Class Desc:	Light fuels				
3	32 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	FST
Instance No:	11437430			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall AST			Fuel Type2:	NULL
Install Date:	10/2/1989			Fuel Type3:	NULL
Install Year:	1974			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	22700			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA				
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:	SALWAN DAIED O/A BEAVER GAS BAR				
Item:	FS LIQUID FUEL TANK				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
3	33 of 38	WSW/33.5	189.7 / 0.96	5460 FERRY ST NIAGARA FALLS ON L2G 1S1	DTNK

Delisted Fuel Storage Tank

Instance No:	64518595	Creation Date:	
Status:	Active	Overfill Prot Type:	
Instance Type:		Facility Location:	
Fuel Type:		Piping SW Steel:	0
Cont Name:		Piping SW Galvan:	0
Capacity:		Tanks SW Steel:	0
Tank Material:		Piping Underground:	3
Corrosion Prot:		No Underground:	3
Tank Type:		Max Hazard Rank:	
Install Year:		Max Hazard Rank 1:	
Facility Type:		Nxt Period Start Dt:	
Device Installed Loc:		Program Area 1:	
Fuel Type 2:		Program Area 2:	
Fuel Type 3:		Nxt Period Strt Dt 2:	
Item:	FS GASOLINE STATION - SELF SERVE	Risk Based Periodic:	
Item Description:		Vol of Directives:	
Model:		Years in Service:	
Description:		Created Date:	
Instance Creation Dt:		Federal Device:	
Instance Install Dt:		Periodic Exempt:	
Manufacturer:		Statutory Interval:	
Serial No:		Rcomnd Insp Interval:	
ULC Standard:		Recommended Toler:	
Quantity:		Panam Venue Name:	
Unit of Measure:		External Identifier:	
Parent Fac Type:			
TSSA Base Sched Cycle 1:			
TSSA Base Sched Cycle 2:			
Original Source:	FST		
Record Date:	31-MAY-2021		

3	34 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	FST
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Instance No:	11437408	Manufacturer:	
Status:		Serial No:	
Cont Name:		Ulc Standard:	
Instance Type:		Quantity:	
Item:		Unit of Measure:	
Item Description:	FS Liquid Fuel Tank	Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall AST	Fuel Type2:	NULL
Install Date:	2/17/2005	Fuel Type3:	NULL
Install Year:	1994	Piping Steel:	
Years in Service:		Piping Galvanized:	
Model:	NULL	Tanks Single Wall St:	
Description:		Piping Underground:	
Capacity:	22700	No Underground:	
Tank Material:	Steel	Panam Related:	
Corrosion Protect:	Sacrificial anode	Panam Venue:	
Overfill Protect:			
Facility Type:	FS Liquid Fuel Tank		
Parent Facility Type:			
Facility Location:			
Device Installed Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA		

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

Overfill Protection:
Owner Account Name: SALWAN DAIED O/A BEAVER GAS BAR
Item: FS LIQUID FUEL TANK

3	35 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	FST
Instance No:	11437463			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2:	NULL
Install Date:	10/2/1989			Fuel Type3:	NULL
Install Year:	1974			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	22700			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					
Device Installed Location:	5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA				

Liquid Fuel Tank Details

Overfill Protection:
Owner Account Name: SALWAN DAIED O/A BEAVER GAS BAR
Item: FS LIQUID FUEL TANK

3	36 of 38	WSW/33.5	189.7 / 0.96	SALWAN DAIED O/A BEAVER GAS BAR 5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA ON	FST
Instance No:	11437447			Manufacturer:	
Status:				Serial No:	
Cont Name:				Ulc Standard:	
Instance Type:				Quantity:	
Item:				Unit of Measure:	
Item Description:	FS Liquid Fuel Tank			Fuel Type:	Gasoline
Tank Type:	Liquid Fuel Single Wall UST			Fuel Type2:	NULL
Install Date:	2/19/2005			Fuel Type3:	NULL
Install Year:	1974			Piping Steel:	
Years in Service:				Piping Galvanized:	
Model:	NULL			Tanks Single Wall St:	
Description:				Piping Underground:	
Capacity:	22700			No Underground:	
Tank Material:	Steel			Panam Related:	
Corrosion Protect:	Sacrificial anode			Panam Venue:	
Overfill Protect:					
Facility Type:	FS Liquid Fuel Tank				
Parent Facility Type:					
Facility Location:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Device Installed Location:		5460 FERRY ST NIAGARA FALLS L2G 1S1 ON CA			
<u>Liquid Fuel Tank Details</u>					
Overfill Protection:					
Owner Account Name:		SALWAN DAIED O/A BEAVER GAS BAR			
Item:		FS LIQUID FUEL TANK			
<u>3</u>	37 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No:	ON9211330			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Nov 2021			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	221 L				
Waste Class Desc:	Light fuels				
<u>3</u>	38 of 38	WSW/33.5	189.7 / 0.96	Mac's Convenience Stores Inc. 5460 Ferry Street Niagara Falls ON L2G 1S1	GEN
Generator No:	ON9211330			Status: Registered	
SIC Code:				Co Admin:	
SIC Description:				Choice of Contact:	
Approval Years:	As of Feb 2022			Phone No Admin:	
PO Box No:				Contam. Facility:	
Country:	Canada			MHSW Facility:	
<u>Detail(s)</u>					
Waste Class:	221 L				
Waste Class Desc:	Light fuels				
<u>4</u>	1 of 1	NW/47.1	188.8 / 0.01	Days Inn 5943 Victoria Ave Niagara Falls ON L2G3L8	GEN
Generator No:	ON3077280			Status:	
SIC Code:	721111			Co Admin: Scott McIntyre	
SIC Description:	HOTELS			Choice of Contact: CO_ADMIN	
Approval Years:	2015			Phone No Admin: 905-682-2427 Ext.	
PO Box No:				Contam. Facility: No	
Country:	Canada			MHSW Facility: No	
<u>Detail(s)</u>					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
<u>5</u>	1 of 1	W/50.9	189.8 / 1.06	5460 FERRY STREET Niagara Falls ON	WWIS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Well ID:	7174200			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	30-Dec-2011 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z142549			Contractor:	7241
Tag:	A114447			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	66
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NIAGARA FALLS CITY (STAMFORD)			
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7174200.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/11/29
Year Completed: 2011
Depth (m): 4.2
Latitude: 43.0893119610479
Longitude: -79.0847568962919
Path: 717\7174200.pdf

Bore Hole Information

Bore Hole ID:	1003627587	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	655884.00
Code OB Desc:		North83:	4772513.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	29-Nov-2011 00:00:00	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: 1004115110
Layer: 2
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 11
Mat2 Desc: GRAVEL
Mat3: 77
Mat3 Desc: LOOSE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		1.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004115109			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		27			
Most Common Material:		OTHER			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		1004115111			
Layer:		3			
Color:		7			
General Color:		RED			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		1.0			
Formation End Depth:		4.19999809265137			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004115120			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.2000000476837158			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004115121			
Layer:		3			
Plug From:		1.2000000476837158			
Plug To:		1.5			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004115119			
Layer:		1			
Plug From:		0.0			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004115118			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004115108			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004115114			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.2000000476837158			
Casing Diameter:		4.019999980926514			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004115115			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.2000000476837158			
Screen End Depth:		4.199999809265137			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1004115113			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:		1004115112			
Diameter:		10.899999618530273			
Depth From:		0.0			
Depth To:		4.199999809265137			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Links</u>					
Bore Hole ID:	1003627587			Tag No:	A114447
Depth M:	4.2			Contractor:	7241
Year Completed:	2011			Path:	717\7174200.pdf
Well Completed Dt:	2011/11/29			Latitude:	43.0893119610479
Audit No:	Z142549			Longitude:	-79.0847568962919

6	1 of 1	WSW/55.2	189.8 / 1.06	5460 FERRY STREET Niagara Falls ON	WWIS
Well ID:	7174201			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:	Monitoring and Test Hole			Data Entry Status:	
Use 2nd:	0			Data Src:	
Final Well Status:	Monitoring and Test Hole			Date Received:	30-Dec-2011 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z142550			Contractor:	7241
Tag:	A113533			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	66
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:	NIAGARA FALLS CITY (STAMFORD)				
Site Info:					

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/717\7174201.pdf

Additional Detail(s) (Map)

Well Completed Date: 2011/11/29
Year Completed: 2011
Depth (m): 4.2
Latitude: 43.0891767568112
Longitude: -79.0847488244225
Path: 717\7174201.pdf

Bore Hole Information

Bore Hole ID:	1003627589	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	655885.00
Code OB Desc:		North83:	4772498.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	29-Nov-2011 00:00:00	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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Materials Interval</u>					
Formation ID:		1004115146			
Layer:		2			
Color:		6			
General Color:		BROWN			
Mat1:		11			
Most Common Material:		GRAVEL			
Mat2:		28			
Mat2 Desc:		SAND			
Mat3:		77			
Mat3 Desc:		LOOSE			
Formation Top Depth:		0.3100000023841858			
Formation End Depth:		1.0			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004115147			
Layer:		3			
Color:		7			
General Color:		RED			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		1.0			
Formation End Depth:		4.19999809265137			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		1004115145			
Layer:		1			
Color:		8			
General Color:		BLACK			
Mat1:		27			
Most Common Material:		OTHER			
Mat2:					
Mat2 Desc:					
Mat3:		85			
Mat3 Desc:		SOFT			
Formation Top Depth:		0.0			
Formation End Depth:		0.3100000023841858			
Formation End Depth UOM:		m			
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:		1004115156			
Layer:		2			
Plug From:		0.3100000023841858			
Plug To:		1.2000000476837158			
Plug 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:		1004115155			
Layer:		1			
Plug From:		0.0			
Plug To:		0.3100000023841858			
Plug Depth UOM:		m			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1004115157			
Layer:		3			
Plug From:		1.2000000476837158			
Plug To:		4.19999809265137			
Plug Depth UOM:		m			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1004115154			
Method Construction Code:		D			
Method Construction:		Direct Push			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1004115144			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1004115150			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		1.2000000476837158			
Casing Diameter:		4.01999980926514			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
<u>Construction Record - Screen</u>					
Screen ID:		1004115151			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.2000000476837158			
Screen End Depth:		4.19999809265137			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		4.820000171661377			
<u>Water Details</u>					
Water ID:		1004115149			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					
Hole ID:	1004115148				
Diameter:	10.899999618530273				
Depth From:	0.0				
Depth To:	4.199999809265137				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
<u>Links</u>					
Bore Hole ID:	1003627589			Tag No:	A113533
Depth M:	4.2			Contractor:	7241
Year Completed:	2011			Path:	717\7174201.pdf
Well Completed Dt:	2011/11/29			Latitude:	43.0891767568112
Audit No:	Z142550			Longitude:	-79.0847488244225

<u>7</u>	1 of 1	W/64.4	189.3 / 0.52	NIAGARA FALLS CITY STANLEY AVE./PERRY ST./ NIAGARA FALLS CITY ON	CA
Certificate #:	7-0098-96-				
Application Year:	96				
Issue Date:	4/1/1996				
Approval Type:	Municipal water				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<u>8</u>	1 of 1	ENE/75.3	188.8 / 0.07	5375 and 5383 Ferry St Niagara Falls ON	EHS
Order No:	20070330007		Nearest Intersection:		
Status:	C		Municipality:		
Report Type:	CAN - Custom Report		Client Prov/State:		
Report Date:	4/10/2007		Search Radius (km): 0.25		
Date Received:	3/30/2007		X: -79.083307		
Previous Site Name:			Y: 43.089804		
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps And /or Site Plans				

<u>9</u>	1 of 1	ENE/96.2	188.8 / 0.04	5365 Ferry Street Niagara Falls ON L2G 1R9	EHS
Order No:	20101210001		Nearest Intersection: Gladestone & Stanley Ave		
Status:	C		Municipality:		
Report Type:	Custom Report		Client Prov/State: ON		
Report Date:	12/16/2010		Search Radius (km): 0.25		
Date Received:	12/10/2010 6:44:37 AM		X: -79.083023		
Previous Site Name:			Y: 43.089677		
Lot/Building Size:					
Additional Info Ordered:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
10	1 of 1	E/104.1	188.9 / 0.18	NIAGARA FALLS CITY MCGRAIL AVE./FERRY ST. NIAGARA FALLS CITY ON	CA
<p> Certificate #: 3-0112-96- Application Year: 96 Issue Date: 4/1/1996 Approval Type: Municipal sewage Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control: </p>					
11	1 of 2	W/110.8	189.8 / 1.06	LA PUE INTERNATIONAL INC. 5510 FERRY STREET, NIAGARA FALLS, ON L2G 1S4 Niagara Falls ON	RSC
<p> RSC ID: 225520 RA No: RSC Type: Phase 1 and 2 RSC Curr Property Use: Commercial Ministry District: Niagara District Office Filing Date: 2019/04/15 Date Ack: Date Returned: Restoration Type: Soil Type: Criteria: CPU Issued Sect 1686: Asmt Roll No: 2725070001013000000, 2725070001090000000, 2725070001089000000, 2725070001010000000, 2725070001001000000 Prop ID No (PIN): 64349-0215 (LT), 64349-0203 (LT), 64349-0214 (LT), 64349-0200 (LT), 64349-0181 (LT), 64349-0205 (LT), 64349-0202 (LT), 64349-0204 (LT) Property Municipal Address: 5510 FERRY STREET, NIAGARA FALLS, ON L2G 1S4, 5943 STANLEY AVENUE, NIAGARA FALLS, ON L2G 3Y2, 5916 ALLENDALE AVENUE, NIAGARA FALLS, ON L2G 3Z3, 5536 FERRY STREET, NIAGARA FALLS, ON L2G 1S4 Mailing Address: Latitude & Latitude: UTM Coordinates: Consultant: Legal Desc: Measurement Method: Applicable Standards: RSC PDF: https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=110290&fileName=BROWNFIELDS-E.pdf </p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Document(s) Detail</u>					
Document Heading:		Supporting Documents			
Document Name:		Lawyer Letter.pdf			
Document Type:		Lawyer's letter consisting of a legal description of the property			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=110282&fileName=Lawyer+Letter.pdf			
Document Heading:		Supporting Documents			
Document Name:		Current and Past Uses.pdf			
Document Type:		Table of Current and Past Property Use			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=110289&fileName=Current+and+Past+Uses.pdf			
Document Heading:		Supporting Documents			
Document Name:		APECTable.pdf			
Document Type:		Area(s) of Potential Environmental Concern			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=112036&fileName=APECTable.pdf			
Document Heading:		Supporting Documents			
Document Name:		Transfer Deeds.pdf			
Document Type:		Copy of any deed(s), transfer(s) or other document(s)			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=110286&fileName=Transfer+Deeds.pdf			
Document Heading:		Supporting Documents			
Document Name:		Certificate of Status.pdf			
Document Type:		Certificate of Status			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=110283&fileName=Certificate+of+Status.pdf			
Document Heading:		Supporting Documents			
Document Name:		PhaseTwo.pdf			
Document Type:		Phase 2 Conceptual Site Model			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=112037&fileName=PhaseTwo.pdf			
Document Heading:		Supporting Documents			
Document Name:		Survey with RSC property.pdf			
Document Type:		A Current plan of Survey			
Document Link:		https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=110281&fileName=Survey+with+RSC+property.pdf			

11	2 of 2	W/110.8	189.8 / 1.06	La Pue International Inc. 5510 Ferry Street Niagara Falls, ON Canada ON	PTTW
EBR Registry No:	019-2776			Decision Posted:	November\24,\2021
Ministry Ref No:	4233-BVUVAM			Exception Posted:	
Notice Type:	Instrument			Section:	Section\34
Notice Stage:	Decision			Act 1:	Ontario\Water\Resources\Act,\sR.S.O.\s1990
Notice Date:				Act 2:	Ontario\Water\Resources\Act
Proposal Date:	December\4,\2020			Site Location Map:	43.089227,-79.08553
Year:	2020				
Instrument Type:	Permit\sto\stake\swater				
Off Instrument Name:	Permit\sto\stake\swater\s(OWRA\ss.\s34)				
Posted By:	Ministry\sof\sthe\Environment,\sConservation\sand\sParks				
Company Name:					
Site Address:	5510\sFerry\sStreet\sNiagara\sFalls,\sON\sCanada				
Location Other:					
Proponent Name:	La\sPue\sInternational\sInc.				
Proponent Address:	La\sPue\sInternational\sInc.\s6158\sAllendale\sAvenue\sNiagara\sFalls,\sON\sL2G\s0A5\sCanada				
Comment Period:	December\4,\2020\s-\sJanuary\s3,\s2021\s(30\sdays)\sClosed				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
URL:		https://ero.ontario.ca/notice/019-2776			
Site Location Details:					

12	1 of 1	W/111.7	189.6 / 0.88	ON	WWIS
Well ID:	7325255			Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:				Data Entry Status:	Yes
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	28-Dec-2018 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	C44453			Contractor:	7238
Tag:	A252545			Form Version:	8
Constructn Method:				Owner:	
Elevation (m):				County:	66
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NIAGARA FALLS CITY			
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date:	2018/12/14
Year Completed:	2018
Depth (m):	
Latitude:	43.089441704214
Longitude:	-79.0855145874056
Path:	

Bore Hole Information

Bore Hole ID:	1007329064	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	655822.00
Code OB Desc:		North83:	4772526.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	14-Dec-2018 00:00:00	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:			

Links

Bore Hole ID:	1007329064	Tag No:	A252545
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth M: Year Completed: 2018 Well Completed Dt: 2018/12/14 Audit No: C44453				Contractor: 7238 Path: Latitude: 43.089441704214 Longitude: -79.0855145874056	

13	1 of 1	ENE/116.1	188.2 / -0.53	5389 Ferry St Niagara Falls ON L2G 3V4	EHS
Order No: 21031300016 Status: C Report Type: Custom Report Report Date: 17-MAR-21 Date Received: 13-MAR-21 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans				Nearest Intersection: Municipality: Markham Client Prov/State: ON Search Radius (km): .25 X: -79.08298421 Y: 43.09001108	

14	1 of 1	E/121.6	189.3 / 0.51	ON	BORE
Borehole ID: 606656 OGF ID: 215508464 Status: Type: Borehole Use: Geotechnical/Geological Investigation Completion Date: OCT-1960 Static Water Level: 0.1 Primary Water Use: Not Used Sec. Water Use: Total Depth m: 7.6 Depth Ref: Ground Surface Depth Elev: Drill Method: Test Pit Orig Ground Elev m: 190 Elev Reliabil Note: DEM Ground Elev m: 189 Concession: Location D: Survey D: Comments:				Inclin FLG: No SP Status: Initial Entry Surv Elev: No Piezometer: No Primary Name: Municipality: Lot: Township: Latitude DD: 43.089453 Longitude DD: -79.082652 UTM Zone: 17 Easting: 656055 Northing: 4772533 Location Accuracy: Accuracy: Not Applicable	

Borehole Geology Stratum

Geology Stratum ID: 218375241 Top Depth: 0 Bottom Depth: .9 Material Color: Brown Material 1: Soil Material 2: Clay Material 3: Sand Material 4: Gsc Material Description: Stratum Description: SOIL,CLAY,SAND. BROWN.	
---	--

Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
---	--

Geology Stratum ID: 218375245 Top Depth: 6.7 Bottom Depth: 7.6 Material Color: Material 1: Sand Material 2: Silt Material 3: Gravel Material 4: Clay	
---	--

Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
---	--

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Gsc Material Description:

Stratum Description: SAND,SILT,GRAVEL, CLAY. 00030030000600600011009600220118 **Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:	218375242	Mat Consistency:	
Top Depth:	.9	Material Moisture:	
Bottom Depth:	1.8	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Gravel	Geologic Group:	
Material 3:	Organic	Geologic Period:	
Material 4:		Depositional Gen:	organic

Gsc Material Description:

Stratum Description: CLAY,GRAVEL,ORGANIC.BROWN, WATER STABLE AT 624.7 FEET.

Geology Stratum ID:	218375243	Mat Consistency:	
Top Depth:	1.8	Material Moisture:	
Bottom Depth:	3.4	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Stones	Geologic Period:	
Material 4:		Depositional Gen:	

Gsc Material Description:

Stratum Description: CLAY,SILT,STONES. BROWN.

Geology Stratum ID:	218375244	Mat Consistency:	
Top Depth:	3.4	Material Moisture:	
Bottom Depth:	6.7	Material Texture:	
Material Color:	Brown	Non Geo Mat Type:	
Material 1:	Clay	Geologic Formation:	
Material 2:	Silt	Geologic Group:	
Material 3:	Gravel	Geologic Period:	
Material 4:	Boulders	Depositional Gen:	

Gsc Material Description:

Stratum Description: CLAY,SILT,GRAVEL, BOULDERS. BROWN.

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Ident:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	M	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: NIAGARA.txt RecordID: 053260 NTS_Sheet: 30M03A		
Confiden 1:	Reliable information but incomplete.		

Source List

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

15 1 of 1 **W/133.7** **189.6 / 0.88** **ON** **WWIS**

Well ID:	7361333	Flowing (Y/N):	
Construction Date:		Flow Rate:	
Use 1st:		Data Entry Status:	Yes

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use 2nd:				Data Src:	
Final Well Status:				Date Received:	30-Jun-2020 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z295867			Contractor:	7484
Tag:	A255116			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	66
Elevatn Reliability:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NIAGARA FALLS CITY			
Site Info:					
PDF URL (Map):					
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2020/06/03			
Year Completed:		2020			
Depth (m):					
Latitude:		43.0894102255256			
Longitude:		-79.0857858611215			
Path:					
<u>Bore Hole Information</u>					
Bore Hole ID:	1008328057			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	655800.00
Code OB Desc:				North83:	4772522.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	4
Date Completed:	03-Jun-2020 00:00:00			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>Links</u>					
Bore Hole ID:	1008328057			Tag No:	A255116
Depth M:				Contractor:	7484
Year Completed:	2020			Path:	
Well Completed Dt:	2020/06/03			Latitude:	43.0894102255256
Audit No:	Z295867			Longitude:	-79.0857858611215

16

1 of 1

SW/134.2

191.2 / 2.45

ON

WWIS

Well ID: 7361332
Construction Date:
Use 1st:
Use 2nd:

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Final Well Status:				Date Received:	30-Jun-2020 00:00:00
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z295864			Contractor:	7484
Tag:	A255103			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	66
Elevatn Reliabilty:				Lot:	
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NIAGARA FALLS CITY (STAMFORD)			
Site Info:					
PDF URL (Map):					
Additional Detail(s) (Map)					
Well Completed Date:		2020/06/03			
Year Completed:		2020			
Depth (m):					
Latitude:		43.0884821641762			
Longitude:		-79.0852127644372			
Path:					
Bore Hole Information					
Bore Hole ID:		1008328054		Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	
Code OB:				17	
Code OB Desc:				East83:	
Open Hole:				655849.00	
Cluster Kind:				North83:	
Date Completed:		03-Jun-2020 00:00:00		4772420.00	
Remarks:				Org CS:	
Elevrc Desc:				UTM83	
Location Source Date:				UTMRC:	
Improvement Location Source:				4	
Improvement Location Method:				UTMRC Desc:	
Source Revision Comment:				margin of error : 30 m - 100 m	
Supplier Comment:				Location Method:	
				wwr	
Links					
Bore Hole ID:		1008328054		Tag No:	
Depth M:				A255103	
Year Completed:		2020		Contractor:	
Well Completed Dt:		2020/06/03		7484	
Audit No:		Z295864		Path:	
				43.0884821641762	
				-79.0852127644372	
17	1 of 1	NNW/137.3	187.0 / -1.79	5700 STANLEY AVE lot 798 NIAGARA FALLS ON	WWIS
Well ID:		7043858		Flowing (Y/N):	
Construction Date:				Flow Rate:	
Use 1st:		Domestic		Data Entry Status:	
Use 2nd:				Data Src:	
Final Well Status:		Water Supply		Date Received:	
				25-May-2007 00:00:00	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z33232			Contractor:	7294
Tag:	A030770			Form Version:	3
Constructn Method:				Owner:	
Elevation (m):				County:	66
Elevatn Reliabilty:				Lot:	798
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NIAGARA FALLS CITY			
Site Info:					
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/704\7043858.pdf			
<u>Additional Detail(s) (Map)</u>					
Well Completed Date:		2007/04/15			
Year Completed:		2007			
Depth (m):		15.24			
Latitude:		43.0905883031607			
Longitude:		-79.0846188228265			
Path:		704\7043858.pdf			
<u>Bore Hole Information</u>					
Bore Hole ID:	11766292			Elevation:	
DP2BR:				Elevrc:	
Spatial Status:				Zone:	17
Code OB:				East83:	655892.00
Code OB Desc:				North83:	4772655.00
Open Hole:				Org CS:	UTM83
Cluster Kind:				UTMRC:	3
Date Completed:	15-Apr-2007 00:00:00			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:					
<u>Overburden and Bedrock</u>					
<u>Materials Interval</u>					
Formation ID:		933101352			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		14.319999694824219			
Formation End Depth:		15.239999771118164			
Formation End Depth UOM:		m			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933101349			
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.6000000238418579			
Formation End Depth:		4.86999885559082			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933101348			
Layer:		1			
Color:		6			
General Color:		BROWN			
Mat1:		02			
Most Common Material:		TOPSOIL			
Mat2:					
Mat2 Desc:					
Mat3:					
Mat3 Desc:					
Formation Top Depth:		0.0			
Formation End Depth:		0.6000000238418579			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933101351			
Layer:		4			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		06			
Mat2 Desc:		SILT			
Mat3:					
Mat3 Desc:					
Formation Top Depth:		6.090000152587891			
Formation End Depth:		14.319999694824219			
Formation End Depth UOM:		m			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		933101350			
Layer:		3			
Color:		6			
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:					
Mat2 Desc:					
Mat3:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat3 Desc:					
Formation Top Depth:			4.869999885559082		
Formation End Depth:			6.090000152587891		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			933319201		
Layer:			2		
Plug From:					
Plug To:					
Plug Depth UOM:			m		
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:			933319200		
Layer:			1		
Plug From:			0.0		
Plug To:			6.0		
Plug Depth UOM:			m		
<u>Method of Construction & Well Use</u>					
Method Construction ID:			967043858		
Method Construction Code:			1		
Method Construction:			Cable Tool		
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:			11773982		
Casing No:			1		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			930899517		
Layer:			1		
Material:			1		
Open Hole or Material:			STEEL		
Depth From:			0.0		
Depth To:			14.319999694824219		
Casing Diameter:			15.0		
Casing Diameter UOM:			cm		
Casing Depth UOM:			m		
<u>Construction Record - Casing</u>					
Casing ID:			930899518		
Layer:			2		
Material:			4		
Open Hole or Material:			OPEN HOLE		
Depth From:			14.319999694824219		
Depth To:			15.239999771118164		
Casing Diameter:					
Casing Diameter UOM:			cm		
Casing Depth UOM:			m		

<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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Results of Well Yield Testing

Pump Test ID: 11778621
Pump Set At: 14.0
Static Level: 7.400000095367432
Final Level After Pumping: 10.020000457763672
Recommended Pump Depth: 14.0
Pumping Rate: 37.849998474121094
Flowing Rate:
Recommended Pump Rate: 37.849998474121094
Levels UOM: m
Rate UOM: LPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method:
Pumping Duration HR: 5
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 11822121
Test Type: Draw Down
Test Duration: 1
Test Level: 8.350000381469727
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11822135
Test Type: Draw Down
Test Duration: 20
Test Level: 9.260000228881836
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11822142
Test Type: Recovery
Test Duration: 40
Test Level: 7.710000038146973
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11822128
Test Type: Recovery
Test Duration: 4
Test Level: 8.680000305175781
Test Level UOM: m

Draw Down & Recovery

Pump Test Detail ID: 11822139
Test Type: Draw Down
Test Duration: 30
Test Level: 9.380000114440918
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:		11822123			
Test Type:		Draw Down			
Test Duration:		2			
Test Level:		8.4399995803833			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822127			
Test Type:		Draw Down			
Test Duration:		4			
Test Level:		8.649999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822130			
Test Type:		Recovery			
Test Duration:		5			
Test Level:		8.5600004196167			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822134			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		8.15999984741211			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822145			
Test Type:		Draw Down			
Test Duration:		60			
Test Level:		9.65999984741211			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822122			
Test Type:		Recovery			
Test Duration:		1			
Test Level:		9.170000076293945			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822126			
Test Type:		Recovery			
Test Duration:		3			
Test Level:		8.739999771118164			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822132			
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>			8.319999694824219		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11822133		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			15		
<i>Test Level:</i>			9.140000343322754		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11822131		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			10		
<i>Test Level:</i>			8.989999771118164		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11822141		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			40		
<i>Test Level:</i>			9.5		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11822140		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			30		
<i>Test Level:</i>			7.829999923706055		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11822125		
<i>Test Type:</i>			Draw Down		
<i>Test Duration:</i>			3		
<i>Test Level:</i>			8.529999732971191		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11822136		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			20		
<i>Test Level:</i>			8.010000228881836		
<i>Test Level UOM:</i>			m		
<u>Draw Down & Recovery</u>					
<i>Pump Test Detail ID:</i>			11822138		
<i>Test Type:</i>			Recovery		
<i>Test Duration:</i>			25		
<i>Test Level:</i>			7.889999866485596		
<i>Test Level UOM:</i>			m		

<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:		11822143			
Test Type:		Draw Down			
Test Duration:		50			
Test Level:		9.600000381469727			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822146			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		7.550000190734863			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822124			
Test Type:		Recovery			
Test Duration:		2			
Test Level:		8.899999618530273			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822129			
Test Type:		Draw Down			
Test Duration:		5			
Test Level:		8.710000038146973			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822137			
Test Type:		Draw Down			
Test Duration:		25			
Test Level:		9.319999694824219			
Test Level UOM:		m			
<u>Draw Down & Recovery</u>					
Pump Test Detail ID:		11822144			
Test Type:		Recovery			
Test Duration:		50			
Test Level:		7.619999885559082			
Test Level UOM:		m			
<u>Water Details</u>					
Water ID:		934086263			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		13.699999809265137			
Water Found Depth UOM:		m			
<u>Hole Diameter</u>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:		11852743 15.0 0.0 15.239999771118164 m cm			
Links					
Bore Hole ID: Depth M: Year Completed: Well Completed Dt: Audit No:		11766292 15.24 2007 2007/04/15 Z33232		Tag No: Contractor: Path: Latitude: Longitude:	A030770 7294 704\7043858.pdf 43.0905883031607 -79.0846188228265
18	1 of 1	WSW/141.1	190.7 / 1.98	5916 Allendale Ave Niagara Falls ON L2G3Z3	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20170327137 C Standard Report 03-APR-17 27-MAR-17 Fire Insur. Maps and/or Site Plans		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	Niagara Falls ON .25 -79.085634 43.088753
19	1 of 1	ENE/145.2	188.8 / 0.06	5341-5355 Ferry Street Niagara Falls ON L2G 1R8	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20190919061 C Custom Report 23-SEP-19 19-SEP-19 		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	Niagara Falls ON 0 -79.082443 43.089794
20	1 of 1	SE/146.3	191.8 / 3.02	5958 Fallsview Blvd Niagara Falls ON L2G3V5	EHS
Order No: Status: Report Type: Report Date: Date Received: Previous Site Name: Lot/Building Size: Additional Info Ordered:		20151221038 C Standard Report 29-DEC-15 21-DEC-15 		Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): X: Y:	Niagara Falls ON .25 -79.082824 43.088509
21	1 of 1	WSW/147.6	190.0 / 1.25	5510 FERRY ST lot 143 Niagara Falls ON	WWIS
Well ID: Construction Date: Use 1st: Use 2nd: Final Well Status:		7345802 Monitoring Observation Wells		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received:	 30-Oct-2019 00:00:00

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Water Type:				Selected Flag:	TRUE
Casing Material:				Abandonment Rec:	
Audit No:	Z295604			Contractor:	7484
Tag:	A228406			Form Version:	7
Constructn Method:				Owner:	
Elevation (m):				County:	66
Elevatn Reliabilty:				Lot:	143
Depth to Bedrock:				Concession:	
Well Depth:				Concession Name:	
Overburden/Bedrock:				Easting NAD83:	
Pump Rate:				Northing NAD83:	
Static Water Level:				Zone:	
Clear/Cloudy:				UTM Reliability:	
Municipality:		NIAGARA FALLS CITY			
Site Info:					

PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 2019/07/17
Year Completed: 2019
Depth (m): 10.0584
Latitude: 43.088906641237
Longitude: -79.0858261204896
Path:

Bore Hole Information

Bore Hole ID:	1007695494	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	655798.00
Code OB Desc:		North83:	4772466.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	17-Jul-2019 00:00:00	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: 1008208957
Layer: 1
Color: 6
General Color: BROWN
Mat1: 28
Most Common Material: SAND
Mat2: 06
Mat2 Desc: SILT
Mat3: 85
Mat3 Desc: SOFT
Formation Top Depth: 0.0
Formation End Depth: 33.0
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:		1008209676			
Layer:		1			
Plug From:		33.0			
Plug To:		22.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1008209677			
Layer:		2			
Plug From:		22.0			
Plug To:		0.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1008210379			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1008208110			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1008210657			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		23.0			
Casing Diameter:		2.0			
Casing Diameter UOM:		Inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1008210953			
Layer:		1			
Slot:		.01			
Screen Top Depth:		23.0			
Screen End Depth:		33.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2.125			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		1008211354			
Pump Set At:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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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: 0
 Pumping Duration HR:
 Pumping Duration MIN:
 Flowing:

Hole Diameter

Hole ID: 1008210079
 Diameter: 6.0
 Depth From: 0.0
 Depth To: 33.0
 Hole Depth UOM: ft
 Hole Diameter UOM: Inch

Links

Bore Hole ID:	1007695494	Tag No:	A228406
Depth M:	10.0584	Contractor:	7484
Year Completed:	2019	Path:	
Well Completed Dt:	2019/07/17	Latitude:	43.088906641237
Audit No:	Z295604	Longitude:	-79.0858261204896

<u>22</u>	1 of 1	E/165.2	188.9 / 0.17	HORSESHOE PARKING INC. 5329 FERRY STREET, NIAGARA FALLS, ON L2G 1R8 Niagara Falls ON	RSC
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RSC ID:	230882	Cert Date:	
RA No:		Cert Prop Use No:	
RSC Type:	Phase 1 and 2 RSC	Intended Prop Use:	Residential
Curr Property Use:	Commercial	Qual Person Name:	MELISSA KING
Ministry District:	Niagara District Office	Stratified (Y/N):	
Filing Date:	2022/03/29	Audit (Y/N):	
Date Ack:		Entire Leg Prop. (Y/N):	
Date Returned:		Accuracy Estimate:	
Restoration Type:		Telephone:	
Soil Type:		Fax:	
Criteria:		Email:	
CPU Issued Sect 1686:			
Asmt Roll No:	272503000706000		
Prop ID No (PIN):	64347-0068 (LT)		
Property Municipal Address:	5329 FERRY STREET, NIAGARA FALLS, ON L2G 1R8		
Mailing Address:			
Latitude & Longitude:			
UTM Coordinates:			
Consultant:			
Legal Desc:			
Measurement Method:			
Applicable Standards:			
RSC PDF:	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=159854&fileName=BROWNFIELDS-E.pdf		

<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>Document(s) Detail</i>					
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	6 - APEC Table revised - Ferry.pdf				
<i>Document Type:</i>	Area(s) of Potential Environmental Concern				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=159856&fileName=6++APEC+Table+revised++Ferry.pdf				
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	CPTable.pdf				
<i>Document Type:</i>	Table of Current and Past Property Use				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=162955&fileName=CPTable.pdf				
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	5 - Survey Ferry.pdf				
<i>Document Type:</i>	A Current plan of Survey				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=159861&fileName=5++Survey+Ferry.pdf				
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	PhaseTwo.pdf				
<i>Document Type:</i>	Phase 2 Conceptual Site Model				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=162954&fileName=PhaseTwo.pdf				
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	2 - Agent Authorization.pdf				
<i>Document Type:</i>	Proof of the owner's authorization				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=159853&fileName=2++Agent+Authorization.pdf				
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	1 - Certificate of Status.pdf				
<i>Document Type:</i>	Certificate of Status				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=159860&fileName=1++Certificate+of+Status.pdf				
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	3- lawyer letter.pdf				
<i>Document Type:</i>	Lawyer's letter consisting of a legal description of the property				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=159857&fileName=3-lawyer+letter.pdf				
<i>Document Heading:</i>	Supporting Documents				
<i>Document Name:</i>	4 - parcel register and PIN.pdf				
<i>Document Type:</i>	Copy of any deed(s), transfer(s) or other document(s)				
<i>Document Link:</i>	https://www.lrcsde.lrc.gov.on.ca/BFISWebPublic/pub/viewDocument.action?attachmentId=159852&fileName=4++parcel+register+and+PIN.pdf				

23	1 of 2	<i>E/165.7</i>	<i>188.8 / 0.06</i>	<i>5329 Ferry St Niagara Falls ON</i>	<i>SPL</i>
<i>Ref No:</i>	2644-9EJVHX			<i>Discharger Report:</i>	
<i>Site No:</i>				<i>Material Group:</i>	
<i>Incident Dt:</i>	2013/12/14			<i>Health/Env Conseq:</i>	
<i>Year:</i>				<i>Client Type:</i>	
<i>Incident Cause:</i>	Fire/Explosion			<i>Sector Type:</i>	Unknown / N/A
<i>Incident Event:</i>				<i>Agency Involved:</i>	
<i>Contaminant Code:</i>	46			<i>Nearest Watercourse:</i>	
<i>Contaminant Name:</i>	DOUSE WATER (PARTICULATE CONTAMINANT)			<i>Site Address:</i>	5329 Ferry St
<i>Contaminant Limit 1:</i>				<i>Site District Office:</i>	
<i>Contam Limit Freq 1:</i>				<i>Site Postal Code:</i>	
<i>Contaminant UN No 1:</i>				<i>Site Region:</i>	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Environment Impact: Confirmed Nature of Impact: Air Pollution Receiving Medium: Receiving Env: MOE Response: No Field Response Dt MOE Arvl on Scn: MOE Reported Dt: 2013/12/19 Dt Document Closed: Incident Reason: Unknown / N/A Site Name: Johnny Peppers Restaurant<UNOFFICIAL> Site County/District: Site Geo Ref Meth: Incident Summary: Restaurant fire - EGN for fire water Contaminant Qty: 0 mL					
Site Municipality: Niagara Falls Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Air Spills - Fires Source Type:					
23	2 of 2	E/165.7	188.8 / 0.06	5329 Ferry St Niagara Falls ON L2G1R8	EHS
Order No: 20141117023 Status: C Report Type: Standard Report Report Date: 20-NOV-14 Date Received: 17-NOV-14 Previous Site Name: Lot/Building Size: Additional Info Ordered: Title Searches; City Directory; Aerial Photos					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.082171 Y: 43.089768					
24	1 of 1	E/171.0	189.3 / 0.49	5320 Ferry St Niagara Falls ON L2G1R7	EHS
Order No: 20160210108 Status: C Report Type: Standard Report Report Date: 18-FEB-16 Date Received: 10-FEB-16 Previous Site Name: Lot/Building Size: Additional Info Ordered: City Directory; Aerial Photos					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): .25 X: -79.082047 Y: 43.089491					
25	1 of 1	W/172.1	189.7 / 0.91	5550 Ferry Street Niagara Falls ON L2G 1S4	EHS
Order No: 20060302018 Status: C Report Type: Complete Report Report Date: 3/6/2006 Date Received: 3/2/2006 Previous Site Name: Lot/Building Size: Additional Info Ordered:					
Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -79.086188 Y: 43.089487					
26	1 of 1	SE/172.6	193.4 / 4.66	5972-5980 Fallsview Boulevard Niagara Falls ON L2G 3V5	EHS
Order No: 20070117026 Status: C Report Type: CAN - Complete Report Report Date: 1/26/2007 Date Received: 1/17/2007					
Nearest Intersection: Fallsview Blvd and Ferry Street Municipality: Regional Municipality of Niagara Client Prov/State: Search Radius (km): 0.25 X: -79.082807					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Previous Site Name: Lot/Building Size: ~2,100 square metres Additional Info Ordered:				Y: 43.088053	
27	1 of 1	ESE/174.7	190.9 / 2.16	5320 Ferry St Niagara Falls ON L2G1R7	EHS
Order No: 20131030008 Status: C Report Type: Standard Report Report Date: 07-NOV-13 Date Received: 30-OCT-13 Previous Site Name: Lot/Building Size: Additional Info Ordered:		Nearest Intersection: Municipality: Niagara Falls, ON Client Prov/State: ON Search Radius (km): .25 X: -79.082186 Y: 43.08876			
28	1 of 1	WNW/197.2	187.8 / -0.94	Pipeline Hit 5532 SPRING STREET,,NIAGARA FALLS,ON,L2G 1P5,CA ON	PINC
Incident Id: Incident No: 952656 Incident Reported Dt: 11/26/2012 Type: FS-Pipeline Incident Status Code: Tank Status: Pipeline Damage Reason Est Task No: Spills Action Centre: Fuel Type: Fuel Occurrence Tp: Date of Occurrence: Occurrence Start Dt: Depth: Customer Acct Name: Pipeline Hit Incident Address: 5532 SPRING STREET,,NIAGARA FALLS,ON,L2G 1P5,CA Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation: Occurrence Desc: Damage Reason: Notes:		Pipe Material: Fuel Category: Health Impact: Environment Impact: Property Damage: Service Interrupt: Enforce Policy: Public Relation: Pipeline System: PSIG: Attribute Category: Regulator Location: Method Details:			
29	1 of 1	WSW/203.8	190.8 / 2.06	ALLENDALE AVENUE Niagara Falls ON	WWIS
Well ID: 7224736 Construction Date: Use 1st: Monitoring Use 2nd: Other Final Well Status: Observation Wells Water Type: Casing Material: Audit No: Z156434 Tag: A136385 Constructn Method: Elevation (m):		Flowing (Y/N): Flow Rate: Data Entry Status: Data Src: Date Received: 31-Jul-2014 00:00:00 Selected Flag: TRUE Abandonment Rec: Contractor: 7484 Form Version: 7 Owner: County: 66			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Elevatn Reliabilty: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Clear/Cloudy: Municipality: Site Info:		NIAGARA FALLS CITY		Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	
PDF URL (Map):		https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/722\7224736.pdf			

Additional Detail(s) (Map)

Well Completed Date: 2014/04/22
Year Completed: 2014
Depth (m): 4.572
Latitude: 43.0886829155775
Longitude: -79.0864473845893
Path: 722\7224736.pdf

Bore Hole Information

Bore Hole ID:	1005000646	Elevation:	
DP2BR:		Elevrc:	
Spatial Status:		Zone:	17
Code OB:		East83:	655748.00
Code OB Desc:		North83:	4772440.00
Open Hole:		Org CS:	UTM83
Cluster Kind:		UTMRC:	4
Date Completed:	22-Apr-2014 00:00:00	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: 1005260975
Layer: 2
Color: 6
General Color: BROWN
Mat1: 06
Most Common Material: SILT
Mat2: 28
Mat2 Desc: SAND
Mat3: 05
Mat3 Desc: CLAY
Formation Top Depth: 5.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 1005260974
Layer: 1
Color: 6

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Color:		BROWN			
Mat1:		28			
Most Common Material:		SAND			
Mat2:		11			
Mat2 Desc:		GRAVEL			
Mat3:		01			
Mat3 Desc:		FILL			
Formation Top Depth:		0.0			
Formation End Depth:		5.0			
Formation End Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005260983			
Layer:		1			
Plug From:		0.0			
Plug To:		4.0			
Plug Depth UOM:		ft			
<u>Annular Space/Abandonment Sealing Record</u>					
Plug ID:		1005260984			
Layer:		2			
Plug From:		4.0			
Plug To:		15.0			
Plug Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:		1005260982			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		1005260973			
Casing No:		0			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		1005260978			
Layer:		1			
Material:		5			
Open Hole or Material:		PLASTIC			
Depth From:		0.0			
Depth To:		5.0			
Casing Diameter:		0.75			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Screen</u>					
Screen ID:		1005260979			
Layer:		1			
Slot:		10			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Screen Top Depth:		5.0			
Screen End Depth:		15.0			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		1.0			
<u>Water Details</u>					
Water ID:		1005260977			
Layer:					
Kind Code:					
Kind:					
Water Found Depth:					
Water Found Depth UOM:		ft			
<u>Hole Diameter</u>					
Hole ID:		1005260976			
Diameter:		6.0			
Depth From:		0.0			
Depth To:		15.0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
<u>Links</u>					
Bore Hole ID:	1005000646			Tag No:	A136385
Depth M:	4.572			Contractor:	7484
Year Completed:	2014			Path:	722\7224736.pdf
Well Completed Dt:	2014/04/22			Latitude:	43.0886829155775
Audit No:	Z156434			Longitude:	-79.0864473845893

<u>30</u>	1 of 1	NW/210.3	187.3 / -1.49	PRIVATE RESIDENCE 5523 SPRING ST. 416-354-3776 FURNACE OIL TANK NIAGARA FALLS CITY ON L2G 1P6	SPL
Ref No:	47940			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	3/22/1991			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	OTHER CONTAINER LEAK			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	POSSIBLE			Site Municipality:	18101
Nature of Impact:	Soil contamination			Site Lot:	
Receiving Medium:	LAND / WATER			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	WRIGHT FUELS
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	3/22/1991			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	
Incident Reason:	CORROSION			Source Type:	
Site Name:					
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	RESIDENT: FURNACE TANK LEAK OUTSIDE. OIL IS SEEPING INTO THE BASEMENT				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:					
31	1 of 1	SSW/235.7	194.1 / 5.35	6045 Stanley Avenue Niagara Falls ON L2G 3Y3	EHS
Order No:	20090622012			Nearest Intersection:	Stanley Avenue and Peer Lane
Status:	C			Municipality:	Regional Municipality of Niagara
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	6/30/2009			Search Radius (km):	0.25
Date Received:	6/22/2009			X:	-79.085241
Previous Site Name:				Y:	43.087242
Lot/Building Size:					
Additional Info Ordered:					
32	1 of 1	ESE/246.2	192.2 / 3.43	5928 Clark Ave Niagara Falls ON L2G3W4	EHS
Order No:	20130610034			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	14-JUN-13			Search Radius (km):	.25
Date Received:	10-JUN-13			X:	-79.081375
Previous Site Name:				Y:	43.088512
Lot/Building Size:					
Additional Info Ordered:					
33	1 of 2	NNE/250.0	185.8 / -2.94	LIPTONS 5740 BUCHANAN AVENUE,,NIAGARA FALLS, ON,L2G 3V3,CA ON	PINC
Incident Id:				Pipe Material:	
Incident No:	1842084			Fuel Category:	
Incident Reported Dt:	4/8/2016			Health Impact:	
Type:	FS-Pipeline Incident			Environment Impact:	
Status Code:				Property Damage:	
Tank Status:	Pipeline Damage Reason Est			Service Interrupt:	
Task No:				Enforce Policy:	
Spills Action Centre:				Public Relation:	
Fuel Type:				Pipeline System:	
Fuel Occurrence Tp:				PSIG:	
Date of Occurrence:				Attribute Category:	
Occurrence Start Dt:				Regulator Location:	
Depth:				Method Details:	
Customer Acct Name:	LIPTONS				
Incident Address:	5740 BUCHANAN AVENUE,,NIAGARA FALLS,ON,L2G 3V3,CA				
Operation Type:					
Pipeline Type:					
Regulator Type:					
Summary:					
Reported By:					
Affiliation:					
Occurrence Desc:					
Damage Reason:					
Notes:					
33	2 of 2	NNE/250.0	185.8 / -2.94	Enbridge Gas Distribution Inc. 5740 Buchanan Avenue Niagara Falls ON	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Ref No:	1518-A8TG78			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2016/04/07			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Industrial
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	5740 Buchanan Avenue
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Niagara Falls
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:	No			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2016/04/08			Site Map Datum:	
Dt Document Closed:	2016/05/17			SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	Residence<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA FSB: 1 1/4" PI line damaged, made safe				
Contaminant Qty:	0 L				

Unplottable Summary

Total: **37** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	1578891 Ontario Ltd.	Stanley Avenue (south of Swayze Drive)	Niagara Falls ON	
CA	The Regional Municipality of Niagara	Stanley Avenue	Niagara Falls ON	
CA	The Corporation of the City of Niagara Falls	Regional Road 102 (Stanley Avenue)	Niagara Falls ON	L2E 6S4
CA	1578891 Ontario Ltd.	Stanley Ave	Niagara Falls ON	
CA	The Regional Municipality of Niagara	Regional Road 102 (Stanley Avenue)	Niagara Falls ON	L2E 6S4
CA	The Corporation of the City of Niagara Falls	Regional Road 102 (Stanley Avenue)	Niagara Falls ON	L2E 6S4
CA	The Regional Municipality of Niagara	Regional Road 102 (Stanley Avenue)	Niagara Falls ON	L2E 6S4
CA	The Corporation of the City of Niagara Falls	Regional Road 102 (Stanley Avenue)	Niagara Falls ON	L2E 6S4
CA		Pt Twp Lot 112, 126, 130 (Buchanan Avenue)	Niagara Falls ON	
CA	REDLAND QUARRIES INC.	STANLEY AVE., RR #2, QUEENSTON	NIAGARA FALLS CITY ON	
CA	1184537 ONTARIO LIMITED	FERRY STREET HOTEL (SWM)	NIAGARA FALLS CITY ON	
CA	The Corporation of the City of Niagara Falls	Ferry Street - Stanley Ave. to Main St. Lot 130, 143	Niagara Falls ON	
CA	R.M. OF NIAGARA	STANLEY AVE.	NIAGARA FALLS CITY ON	
CONV	SHELL CANADA PRODUCTS LTD.		ON	
CONV	SHELL CANADA PRODUCTS LTD.		ON	
CONV	SHELL CANADA PRODUCTS LTD.		ON	
ECA	1578891 Ontario Ltd.	Stanley Avenue (south of Swayze Drive)	Niagara Falls ON	L2V 4Y6

ECA	The Corporation of the City of Niagara Falls	Regional Road 102 (Stanley Avenue)	Niagara Falls ON	L2E 6X5
ECA	The Corporation of the City of Niagara Falls	Stanley Avenue (from Murray St to Robinson Street)	Niagara Falls ON	
ECA	The Corporation of the City of Niagara Falls	Stanley Avenue (from Murray St to Robinson Street)	Niagara Falls ON	
ECA	The Regional Municipality of Niagara	Stanley Avenue (from Murray St to Robinson Street)	Niagara Falls ON	
ECA	The Regional Municipality of Niagara	Stanley Avenue	Niagara Falls ON	
ECA	The Corporation of the City of Niagara Falls	Ferry St from Stanley Ave. to Main St. , Lot 130, 143	Niagara Falls ON	L2E 6X5
ECA	The Corporation of the City of Niagara Falls	Buchanan Avenue, Desson Avenue and Slater Ave , from Spring Street to Kitchener Street	Niagara Falls ON	L2E 6X5
ECA	The Regional Municipality of Niagara	Regional Road 102 (Stanley Avenue)	Niagara Falls ON	L2V 4T7
ECA	The Corporation of the City of Niagara Falls	Sylvia Pl between Peer St. and Ferry St.	Niagara Falls ON	L2E 6X5
ECA	The Regional Municipality of Niagara	Stanley Ave From Thorold Stone Road to Whirlpool Road	Niagara Falls ON	L2V 4T7
ECA	The Corporation of the City of Niagara Falls	Stanley Avenue (from Murray St to Robinson Street)	Niagara Falls ON	
ECA	The Regional Municipality of Niagara	Stanley Avenue (from Murray St to Robinson Street)	Niagara Falls ON	
ECA	The Corporation of the City of Niagara Falls	Stanley Avenue (from Murray St to Robinson Street)	Niagara Falls ON	
ECA	The Corporation of the City of Niagara Falls	Murray Street (Stanley Ave to Fallsview Avenue)	Niagara Falls ON	
ECA	The Corporation of the City of Niagara Falls	Buchanan Avenue	Niagara Falls ON	
EHS		Stanley Ave	Niagara Falls ON	
GEN	NIAGARA FALLS HYDRO (PCB) 00-000	MULLER (STA. 37) STANLEY AVE. P.O. BOX 120	NIAGARA FALLS ON	L2E 6S9
GEN	NIAGARA FALLS HYDRO (PCB) 00-000	WOODSTREAM (ST N. 40) ELLEN AVE. P.O. BOX 120	NIAGARA FALLS ON	L2E 6S9
SCT	REDLAND QUARRIES INC.	STANLEY AVE	NIAGARA FALLS ON	L2E
SPL	Rankin Construction Inc.; Ontario Power Generation Inc.	100m north of Queenston Bridge; Stanley Ave.	Niagara Falls; Niagara-on-the-Lake ON	NA

Unplottable Report

Site: 1578891 Ontario Ltd.
Stanley Avenue (south of Swayze Drive) Niagara Falls ON

Database:
CA

Certificate #: 2340-6AZSPB
Application Year: 2005
Issue Date: 4/6/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: The Regional Municipality of Niagara
Stanley Avenue Niagara Falls ON

Database:
CA

Certificate #: 2125-6EHRAN
Application Year: 2005
Issue Date: 8/5/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: The Corporation of the City of Niagara Falls
Regional Road 102 (Stanley Avenue) Niagara Falls ON L2E 6S4

Database:
CA

Certificate #: 1646-6MHLWK
Application Year: 2006
Issue Date: 3/3/2006
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: 1578891 Ontario Ltd.
Stanley Ave Niagara Falls ON

Database:
CA

Certificate #: 5334-77EN9B
Application Year: 2007

Issue Date: 10/25/2007
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: *The Regional Municipality of Niagara
Regional Road 102 (Stanley Avenue) Niagara Falls ON L2E 6S4*

Database:
[CA](#)

Certificate #: 6181-66SQYP
Application Year: 2004
Issue Date: 11/18/2004
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: *The Corporation of the City of Niagara Falls
Regional Road 102 (Stanley Avenue) Niagara Falls ON L2E 6S4*

Database:
[CA](#)

Certificate #: 2419-5JBRMV
Application Year: 2003
Issue Date: 2/5/2003
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: *The Regional Municipality of Niagara
Regional Road 102 (Stanley Avenue) Niagara Falls ON L2E 6S4*

Database:
[CA](#)

Certificate #: 3976-5JGSRQ
Application Year: 2003
Issue Date: 2/7/2003
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: *The Corporation of the City of Niagara Falls
Regional Road 102 (Stanley Avenue) Niagara Falls ON L2E 6S4*

Database:
CA

Certificate #: 8626-68BJ3N
Application Year: 2005
Issue Date: 1/5/2005
Approval Type: Municipal and Private Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: *Pt Twp Lot 112, 126, 130 (Buchanan Avenue) Niagara Falls ON*

Database:
CA

Certificate #: 5817-4MFRMY
Application Year: 00
Issue Date: 7/25/00
Approval Type: Municipal & Private water
Status: Approved
Application Type: New Certificate of Approval
Client Name: Corporation Of The City Of Niagara Falls
Client Address: 4310 Queen Street
Client City: Niagara Falls
Client Postal Code: L2E 6X5
Project Description: Installation of watermains along Buchanan Avenue from Stamford Street to McRae Street, Stanley Avenue at Valley Way, and North Street from Portage Road to Stanley Avenue
Contaminants:
Emission Control:

Site: *REDLAND QUARRIES INC.
STANLEY AVE., RR #2, QUEENSTON NIAGARA FALLS CITY ON*

Database:
CA

Certificate #: 8-2013-97-
Application Year: 97
Issue Date: 4/4/1997
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: PORTABLE SEC. CRUSHING/SCREENING PLANT
Contaminants: Propylene Oxide
Emission Control:

Site: *1184537 ONTARIO LIMITED
FERRY STREET HOTEL (SWM) NIAGARA FALLS CITY ON*

Database:
CA

Certificate #: 3-0607-97-
Application Year: 97
Issue Date: 9/8/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:

Project Description:
Contaminants:
Emission Control:

Site: **The Corporation of the City of Niagara Falls**
Ferry Street - Stanley Ave. to Main St. Lot 130, 143 Niagara Falls ON

Database:
CA

Certificate #: 4886-8CDRKR
Application Year: 2010
Issue Date: 12/23/2010
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: **R.M. OF NIAGARA**
STANLEY AVE. NIAGARA FALLS CITY ON

Database:
CA

Certificate #: 3-0156-86-
Application Year: 86
Issue Date: 2/28/1986
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: **SHELL CANADA PRODUCTS LTD.**
ON

Database:
CONV

File No:
Crown Brief No: 98-0084-0067
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description:

Location:
Region: SOUTH WEST REGION
Ministry District: SARNIA & HURON COUNTY

Background:
URL:

Description: DISCHARGING NOXIOUS FUMES & GAS INTO THE ENVIRONMENT, USING A SITE FOR THE DISPOSAL OF HAZARDOUS WASTE & HAVE WASTE LEAVE WITHOUT A MANIFEST.

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation:

Section: 14 (1)
Act/Regulation/Section: EPA- -14 (1)
Date of Offence:
Date of Conviction:
Date Charged: 3/22/00
Charge Disposition: SUSPENDED SENTENCE
Fine: \$150,000.00
Synopsis:

Site: SHELL CANADA PRODUCTS LTD.
ON

Database:
CONV

File No:
Crown Brief No: 00-0026-0326
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: DISCHARGING UNBURNED FLARE GAS CAUSING AN ADVERSE EFFECTS TO RESIDENTS AND WORKERS DOWNWIND.
Background:
URL:

Location:
Region: SOUTH WEST REGION
Ministry District: SARNIA & HURON COUNTY

Additional Details

Publication Date:
Count: 1
Act: EPA
Regulation:
Section: 14(1)
Act/Regulation/Section: EPA- -14(1)
Date of Offence:
Date of Conviction:
Date Charged: 5/11/01
Charge Disposition: SUSPENDED SENTENCE
Fine: \$240,000.00
Synopsis:

Site: SHELL CANADA PRODUCTS LTD.
ON

Database:
CONV

File No:
Crown Brief No: 00-0021-0279
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description: DISCHARGE OF SULPHIDES, DISULPHIDES AND TRISULPHIDES INTO THE NATURAL ENVIRONMENT LIKELY TO CAUSE AN ADVERSE EFFECT.
Background:
URL:

Location:
Region: SOUTH WEST REGION
Ministry District: SARNIA & HURON COUNTY

Additional Details

Publication Date:

Count: 1
Act: EPA
Regulation:
Section: 14(1)
Act/Regulation/Section: EPA 14(1)
Date of Offence:
Date of Conviction:
Date Charged: 1/16/2003
Charge Disposition: FINED
Fine: \$180,000.00
Synopsis:

Site: 1578891 Ontario Ltd.
Stanley Avenue (south of Swayze Drive) Niagara Falls ON L2V 4Y6

Database:
ECA

Approval No: 2340-6AZSPB
Approval Date: 2005-04-06
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: 1578891 Ontario Ltd.
Address: Stanley Avenue (south of Swayze Drive)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1060-6AYK7D-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: The Corporation of the City of Niagara Falls
Regional Road 102 (Stanley Avenue) Niagara Falls ON L2E 6X5

Database:
ECA

Approval No: 1646-6MHLWK
Approval Date: 2006-03-03
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 City of Niagara Falls
Address: Regional Road 102 (Stanley Avenue)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/8168-6MGMFK-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: The Corporation of the City of Niagara Falls
Stanley Avenue (from Murray St to Robinson Street) Niagara Falls ON

Database:
ECA

Approval No: 0202-6APKG4
Approval Date: 2005-03-21
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 City of Niagara Falls
Address: Stanley Avenue (from Murray St to Robinson Street)
Full Address:
Full PDF Link:
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: The Corporation of the City of Niagara Falls

Database:
ECA

Stanley Avenue (from Murray St to Robinson Street) Niagara Falls ON

Approval No: 4544-5JBT59
Approval Date: 2003-02-05
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 City of Niagara Falls
Address: Stanley Avenue (from Murray St to Robinson Street)
Full Address:
Full PDF Link:
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **The Regional Municipality of Niagara**
Stanley Avenue (from Murray St to Robinson Street) Niagara Falls ON

Database:
ECA

Approval No: 3976-5JGSRQ
Approval Date: 2003-02-07
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 Regional Municipality of Niagara
Address: Stanley Avenue (from Murray St to Robinson Street)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/2478-5JGPS5-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **The Regional Municipality of Niagara**
Stanley Avenue Niagara Falls ON

Database:
ECA

Approval No: 2125-6EHRAN
Approval Date: 2005-08-05
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 Regional Municipality of Niagara
Address: Stanley Avenue
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1698-6DBNGY-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **The Corporation of the City of Niagara Falls**
Ferry St from Stanley Ave. to Main St. , Lot 130, 143 Niagara Falls ON L2E 6X5

Database:
ECA

Approval No: 4886-8CDRKR
Approval Date: 2010-12-23
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 City of Niagara Falls
Address: Ferry St from Stanley Ave. to Main St. , Lot 130, 143
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3162-8BBMFM-14.pdf>

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *The Corporation of the City of Niagara Falls*
Buchanan Avenue, Desson Avenue and Slater Ave , from Spring Street to Kitchener Street Niagara Falls ON L2E 6X5

Database:
ECA

Approval No: 5935-9XXM29
Approval Date: 2015-07-02
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 City of Niagara Falls
Address: Buchanan Avenue, Desson Avenue and Slater Ave , from Spring Street to Kitchener Street
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/7214-9XHPGP-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *The Regional Municipality of Niagara*
Regional Road 102 (Stanley Avenue) Niagara Falls ON L2V 4T7

Database:
ECA

Approval No: 6937-9NBKZ2
Approval Date: 2014-08-28
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 Regional Municipality of Niagara
Address: Regional Road 102 (Stanley Avenue)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/9557-9N5RVZ-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *The Corporation of the City of Niagara Falls*
Sylvia PI between Peer St. and Ferry St. Niagara Falls ON L2E 6X5

Database:
ECA

Approval No: 4719-9LEU3P
Approval Date: 2014-06-26
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 City of Niagara Falls
Address: Sylvia PI between Peer St. and Ferry St.
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/3712-9KSH2C-14.pdf>
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: *The Regional Municipality of Niagara*
Stanley Ave From Thorold Stone Road to Whirlpool Road Niagara Falls ON L2V 4T7

Database:
ECA

Approval No: 7143-99PKGG
Approval Date: 2013-07-22
Status: Approved
Record Type: ECA
Link Source: IDS
SWP Area Name:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Niagara
Address: Stanley Ave From Thorold Stone Road to Whirlpool Road
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1516-99NQMR-14.pdf>
PDF Site Location:

Site: *The Corporation of the City of Niagara Falls* **Database:**
[ECA](#)
Stanley Avenue (from Murray St to Robinson Street) Niagara Falls ON

Approval No: 2419-5JBRMV **MOE District:**
Approval Date: 2003-02-05 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the City of Niagara Falls
Address: Stanley Avenue (from Murray St to Robinson Street)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0282-5JAM3J-14.pdf>
PDF Site Location:

Site: *The Regional Municipality of Niagara* **Database:**
[ECA](#)
Stanley Avenue (from Murray St to Robinson Street) Niagara Falls ON

Approval No: 6181-66SQYP **MOE District:**
Approval Date: 2004-11-18 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Regional Municipality of Niagara
Address: Stanley Avenue (from Murray St to Robinson Street)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/0236-66RM52-14.pdf>
PDF Site Location:

Site: *The Corporation of the City of Niagara Falls* **Database:**
[ECA](#)
Stanley Avenue (from Murray St to Robinson Street) Niagara Falls ON

Approval No: 8626-68BJ3N **MOE District:**
Approval Date: 2005-01-05 **City:**
Status: Approved **Longitude:**
Record Type: ECA **Latitude:**
Link Source: IDS **Geometry X:**
SWP Area Name: **Geometry Y:**
Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS
Business Name: The Corporation of the City of Niagara Falls
Address: Stanley Avenue (from Murray St to Robinson Street)
Full Address:
Full PDF Link: <https://www.accessenvironment.ene.gov.on.ca/instruments/1587-685M59-14.pdf>
PDF Site Location:

Site: *The Corporation of the City of Niagara Falls* **Database:**
[ECA](#)
Murray Street (Stanley Ave to Fallsview Avenue) Niagara Falls ON

Approval No: 4841-5RNRKN **MOE District:**

Approval Date: 2003-09-24
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 City of Niagara Falls
Address: Murray Street (Stanley Ave to Fallsview Avenue)
Full Address:
Full PDF Link:
PDF Site Location:

City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **The Corporation of the City of Niagara Falls**
Buchanan Avenue Niagara Falls ON

Database:
ECA

Approval No: 5817-4MFRMY
Approval Date: 2000-07-25
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 City of Niagara Falls
Address: Buchanan Avenue
Full Address:
Full PDF Link:
PDF Site Location:

MOE District:
City:
Longitude:
Latitude:
Geometry X:
Geometry Y:

Site: **Stanley Ave Niagara Falls ON**

Database:
EHS

Order No: 20101108008
Status: C
Report Type: Custom Report
Report Date: 11/17/2010
Date Received: 11/8/2010 12:09:30 PM
Previous Site Name:
Lot/Building Size:
Additional Info Ordered:

Nearest Intersection: McLeod Road & Stanley Avenue
Municipality: RMON
Client Prov/State: ON
Search Radius (km): 0.25
X: -694444.444444
Y: 43.0741

Site: **NIAGARA FALLS HYDRO (PCB) 00-000**
MULLER (STA. 37)STANLEY AVE. P.O. BOX 120 NIAGARA FALLS ON L2E 6S9

Database:
GEN

Generator No: ON0393813
SIC Code: 0000
SIC Description: *** NOT DEFINED ***
Approval Years: 92,93,94
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Site: **NIAGARA FALLS HYDRO (PCB) 00-000**
WOODSTREAM (ST N. 40) ELLEN AVE. P.O. BOX 120 NIAGARA FALLS ON L2E 6S9

Database:
GEN

Generator No: ON0393810
SIC Code: 0000
SIC Description: *** NOT DEFINED ***
Approval Years: 92,93,94
PO Box No:
Country:

Status:
Co Admin:
Choice of Contact:
Phone No Admin:
Contam. Facility:
MHSW Facility:

Site: **REDLAND QUARRIES INC.**
STANLEY AVE NIAGARA FALLS ON L2E

Database:
SCT

Established: 0000
Plant Size (ft²): 10890000
Employment: 6

--Details--

Description: MINERALS AND EARTHES, GROUND OR OTHERWISE TREATED
SIC/NAICS Code: 3295

Site: Rankin Construction Inc.; Ontario Power Generation Inc.
100m north of Queenston Bridge; Stanley Ave. Niagara Falls; Niagara-on-the-Lake ON NA

Database:
SPL

Ref No:	7415-A9FU73	Discharger Report:	
Site No:	NA; 7676-75LK7W	Material Group:	
Incident Dt:	2016/04/28	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:		Sector Type:	Miscellaneous Industrial
Incident Event:	Process Upset/Malfunction	Agency Involved:	
Contaminant Code:	41	Nearest Watercourse:	Niagara River
Contaminant Name:	BENTONITE SLURRY	Site Address:	100m north of Queenston Bridge; Stanley Ave.
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	NA
Contaminant UN No 1:		Site Region:	
Environment Impact:		Site Municipality:	Niagara Falls; Niagara-on-the-Lake
Nature of Impact:		Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:	Land	Northing:	4779813; 4779626
MOE Response:	Yes	Easting:	658844; 656853
Dt MOE Arvl on Scn:	2016/05/03	Site Geo Ref Accu:	Map
MOE Reported Dt:	2016/04/28	Site Map Datum:	NAD83
Dt Document Closed:		SAC Action Class:	Land Spills
Incident Reason:	Operator/Human Error	Source Type:	
Site Name:	Niagara Falls OPG project - off trail<UNOFFICIAL>; OPG PGS Reservoir (Stanley Avenue - Harrison System)		
Site County/District:			
Site Geo Ref Meth:	NA		
Incident Summary:	Rankin Construction - <100L gelled bentonite to ground, cleaning		
Contaminant Qty:	100 L		

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 Nov 2021

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-Mar 2022

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-Sep 30, 2021

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 2019

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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

Government Publication Date: Feb 28, 2022

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-Sep 30, 2021

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 -Apr 2022

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-Mar 2022

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 - May 31, 2022

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: Feb 28, 2022

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- Apr 30, 2022

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 - May 31, 2022

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- Apr 30, 2022

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-Mar 31, 2022

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, 2021

List of Expired Fuels Safety Facilities:

Provincial **EXP**

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

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

Government Publication Date: Feb 28, 2022

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-Apr 2022

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: Feb 28, 2022

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-Feb 28, 2022

Greenhouse Gas Emissions from Large Facilities:

Federal

[GHG](#)

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

Government Publication Date: 2013-Dec 2019

TSSA Historic Incidents:

Provincial

[HINC](#)

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

[IAFT](#)

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

[INC](#)

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

Government Publication Date: Feb 28, 2022

Landfill Inventory Management Ontario:

Provincial

[LIMO](#)

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

Government Publication Date: Mar 21, 2022

Canadian Mine Locations:

Private

[MINE](#)

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial [MNR](#)

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

Government Publication Date: 1846-Feb 2022

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, 2020

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-Jun 30, 2021

National Energy Board Wells:

Federal [NEBP](#)

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

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-May 31, 2022

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-Jan 2021

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 - May 31, 2022

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- Apr 30, 2022

Pipeline Incidents:

Provincial PINC

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

Government Publication Date: Feb 28, 2021

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 - May 31, 2022

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

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-May 2022

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-Sep 30, 2021

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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

Government Publication Date: 1988-Sep 2020; Dec 2020-Mar 2021

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, 2020

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: Feb 28, 2022

Waste Disposal Sites - MOE CA Inventory:

Provincial [WDS](#)

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

Government Publication Date: Oct 2011- Apr 30, 2022

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: Jan 31, 2022

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

Appendix F:
Aerial Photographs

Aerial Photographs

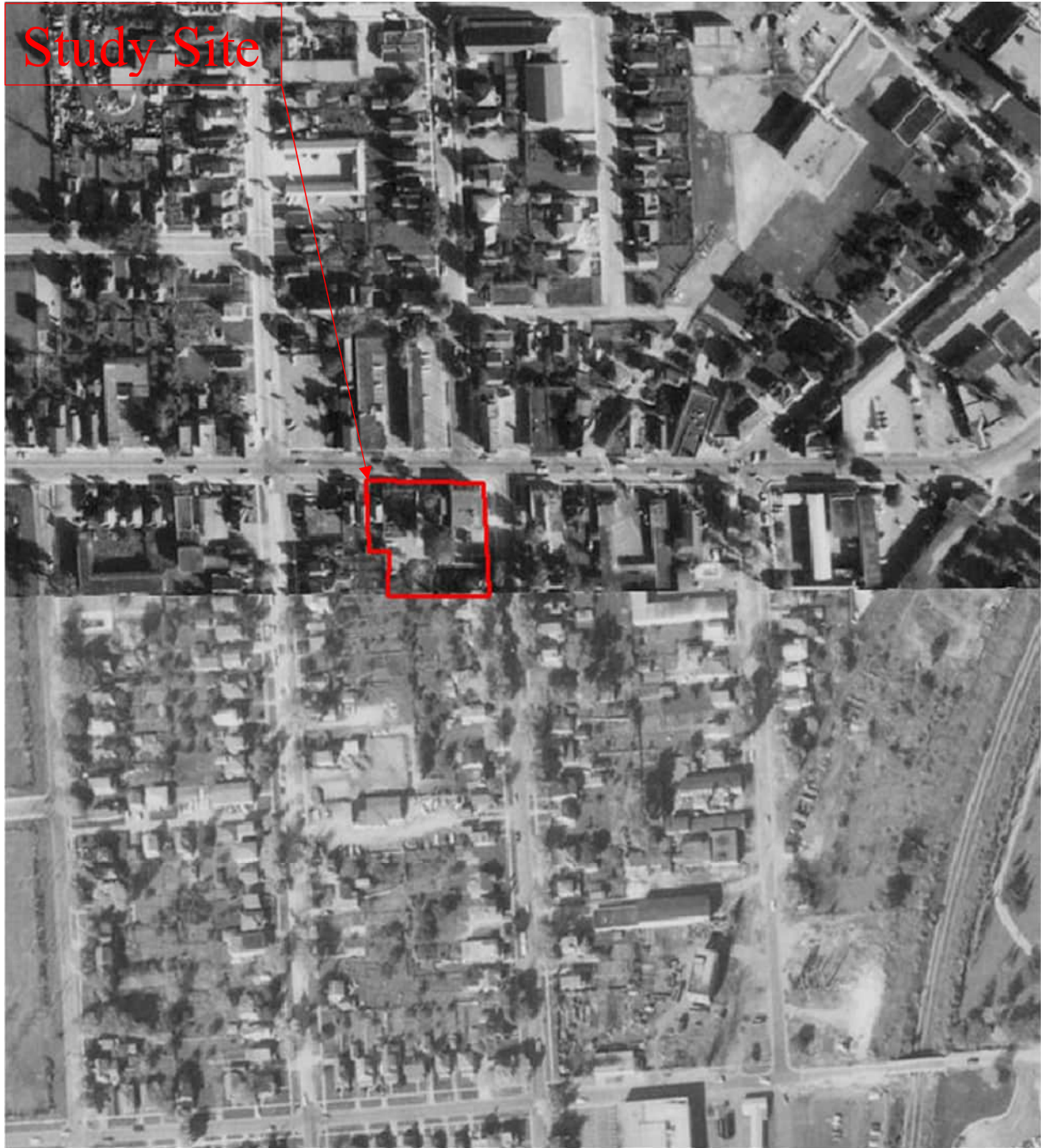
1935



1955



1965



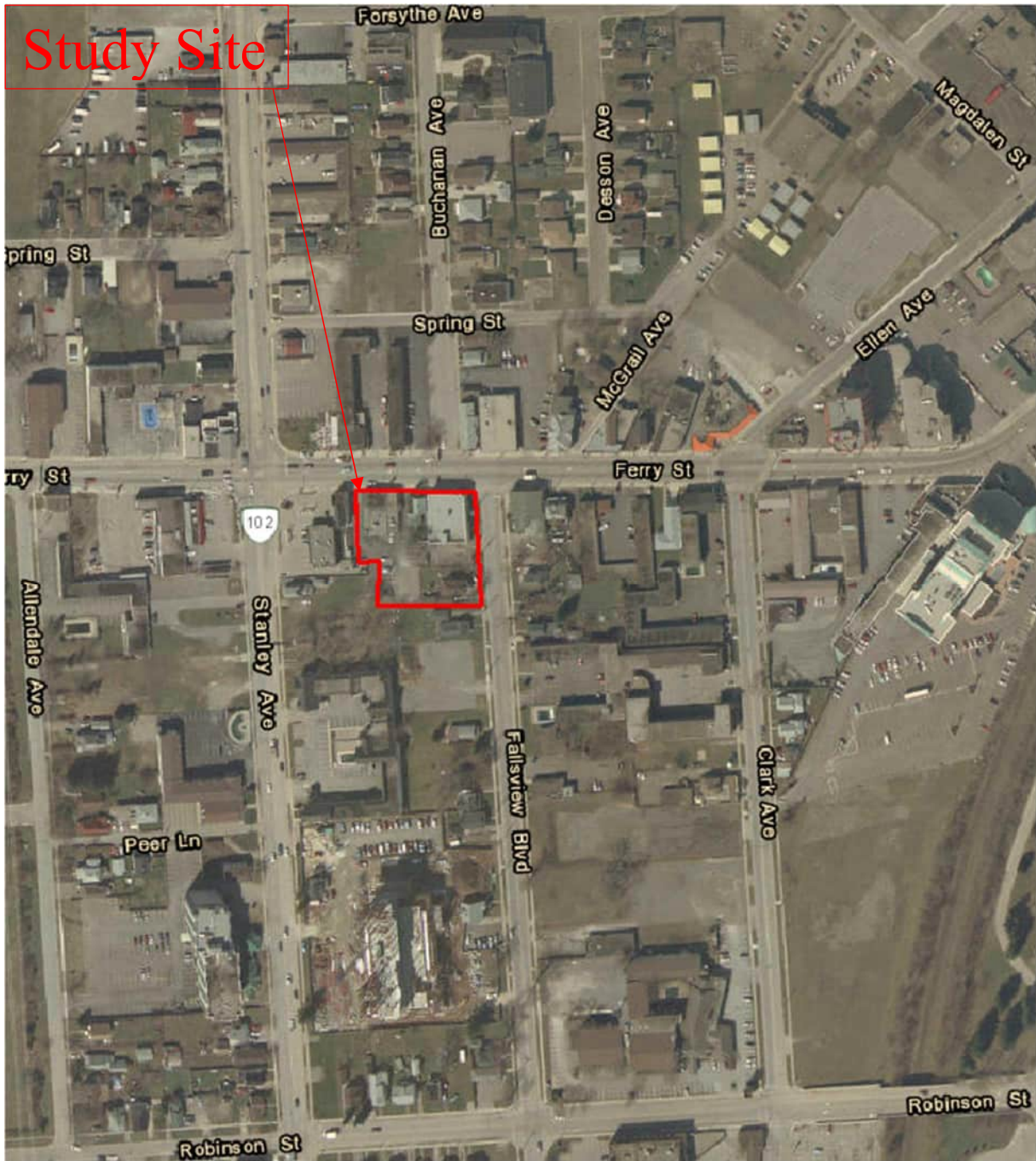
1970



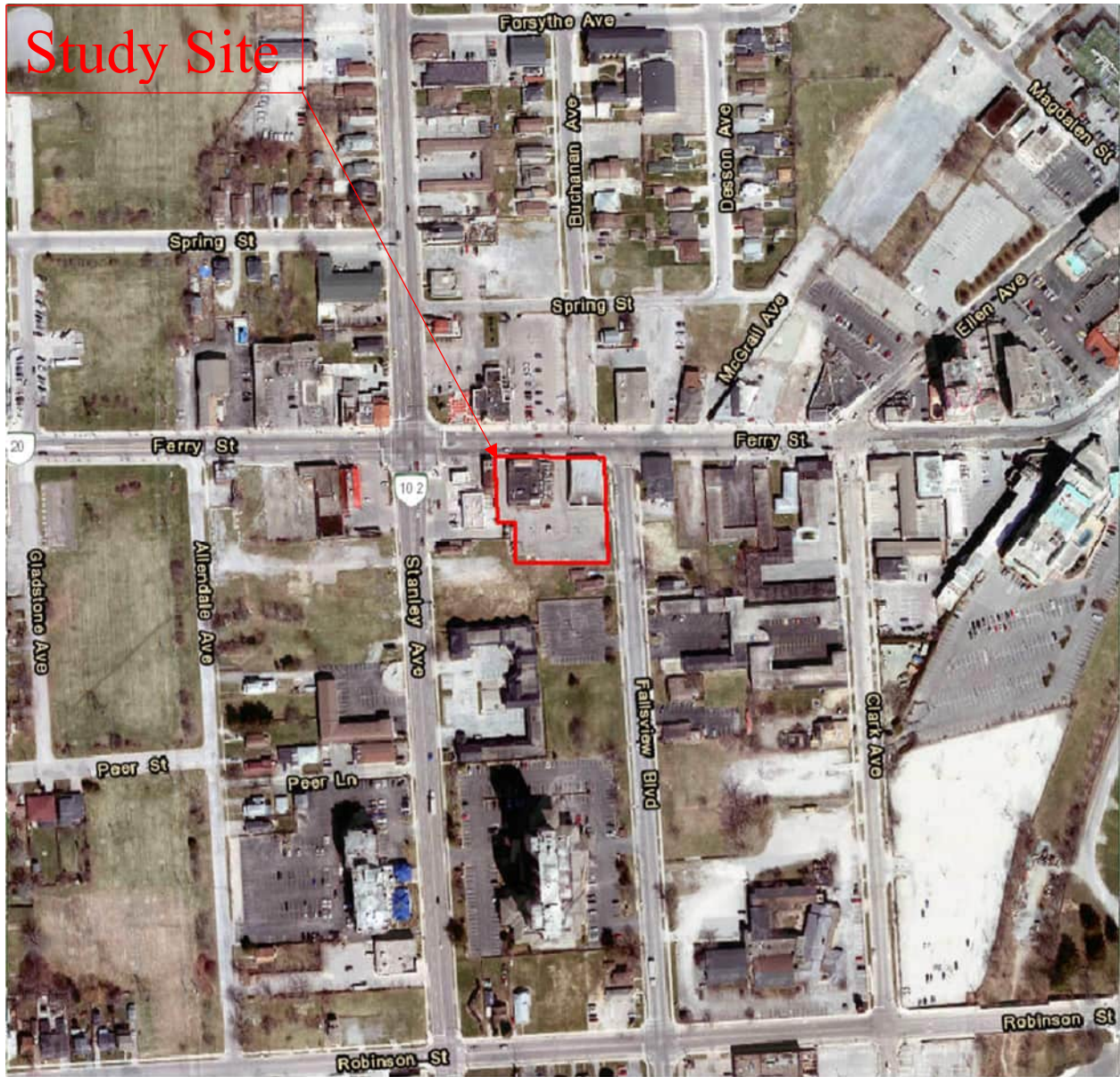
1990



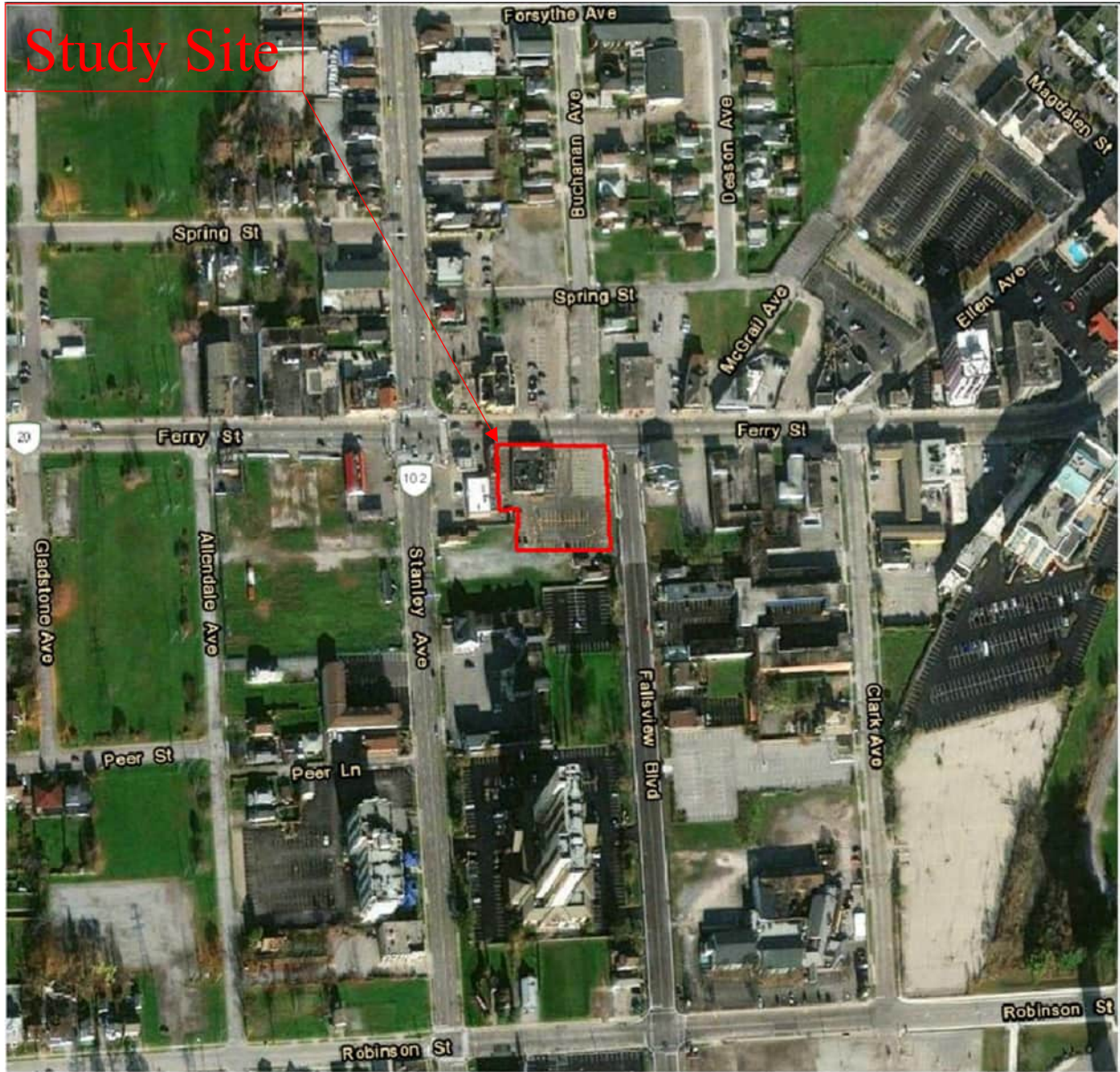
2002



2010



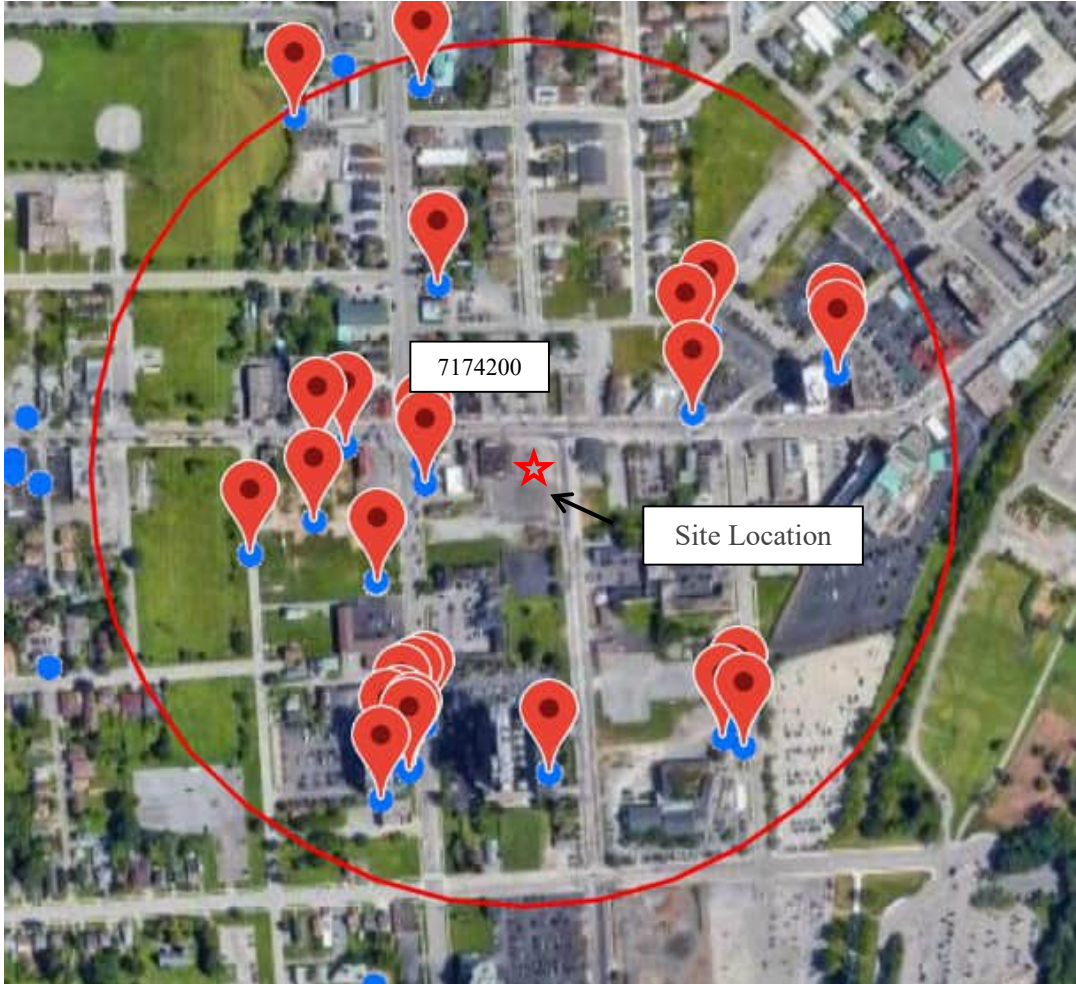
2020



Appendix G:
Ontario Oil, Gas & Salt Resources Library as well as the Ministry of the Environment,
Conservation and Parks Water Well Records

Oil, Gas & Salt Resources Library & Ministry of the Environment, Conservation and Parks Well Records Database:

5438 Ferry Street, Niagara Falls ON



According to the Ministry of the Environment, Conservation and Parks Well Records database, there were no well records associated with the study sites. Twenty-eight (28) records were available from within the study area (250 m radius), with several containing no pertinent information. Each record can contain information pertaining to date of installation, well use, type of stratigraphy encountered and groundwater levels. The available records are included below.

Well ID

Well ID Number: 7345802
 Well Audit Number: Z295604
 Well Tag Number: A228406

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

Well Location

Address of Well Location	5510 FERRY ST
Township	NIAGARA FALLS CITY
Lot	143
Concession	
County/District/Municipality	NIAGARA (WELLAND)
City/Town/Village	Niagara Falls
Province	ON
UTM Coordinates	NAD83 — Zone 17, Easting: 655798.00, Northing: 4772466.00
Municipal Plan and Sublot Number	
Other	

Overburden and Bedrock Materials Interval

General Colour	Most Common Material	Other Materials	General Description	Depth From	Depth To
BRWN	SAND	SILT	SOFT	0 ft	33 ft

Annular Space/Abandonment Sealing Record

Depth From	Depth To	Type of Sealant Used (Material and Type)	Volume Placed
22 ft	0 ft	3/8 BENTONITE	
33 ft	22 ft	#3 SAND	

Method of Construction & Well Use

Method of Construction	Well Use
Boring	Monitoring

Status of Well

Observation Wells

Construction Record - Casing

Inside Diameter	Open Hole or material	Depth From	Depth To
2 Inch	PLASTIC	0 ft	23 ft

Construction Record - Screen

Outside Diameter	Material	Depth From	Depth To
2.125 inch	PLASTIC	23 ft	33 ft

Well Contractor and Well Technician Information

Well Contractor's Licence Number: 7484

Hole Diameter

Depth From	Depth To	Diameter
0 ft	33 ft	6 Inch

Audit Number: Z295604

Date Well Completed: July 17, 2019

Date Well Record Received by MOE: October 30, 2019



Tag#: A152739

A152739

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name, Last Name / Organization, E-mail Address, Mailing Address (Street Number/Name), Municipality, Province, Postal Code, Telephone No. (inc. area code)

Well Location

Address of Well Location (Street Number/Name), Township, Lot, Concession, County/District/Municipality, City/Town/Village, Province, Postal Code, UTM Coordinates, Zone, Easting, Northing, Municipal Plan and Sublot Number, Other: WKQ-006271

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

Table with columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From, To

Annular Space table with columns: Depth Set at (m/ft) From, To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³)

Results of Well Yield Testing table with columns: Draw Down (Time, Water Level), Recovery (Time, Water Level), Pump intake set at (m/ft), Pumping rate (l/min / GPM), Duration of pumping, Final water level end of pumping (m/ft), If flowing give rate (l/min / GPM), Recommended pump depth (m/ft), Recommended pump rate (l/min / GPM), Well production (l/min / GPM), Disinfected?

Method of Construction and Well Use checkboxes: Cable Tool, Rotary (Conventional), Rotary (Reverse), Boring, Air percussion, Other, specify; Diamond, Jetting, Driving, Digging, Other, specify; Public, Domestic, Livestock, Industrial, Other, specify; Commercial, Municipal, Test Hole, Cooling & Air Conditioning, Not used, Dewatering, Monitoring

Construction Record - Casing table with columns: Inside Diameter (cm/in), Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel), Wall Thickness (cm/in), Depth (m/ft) From, To, Status of Well checkboxes

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

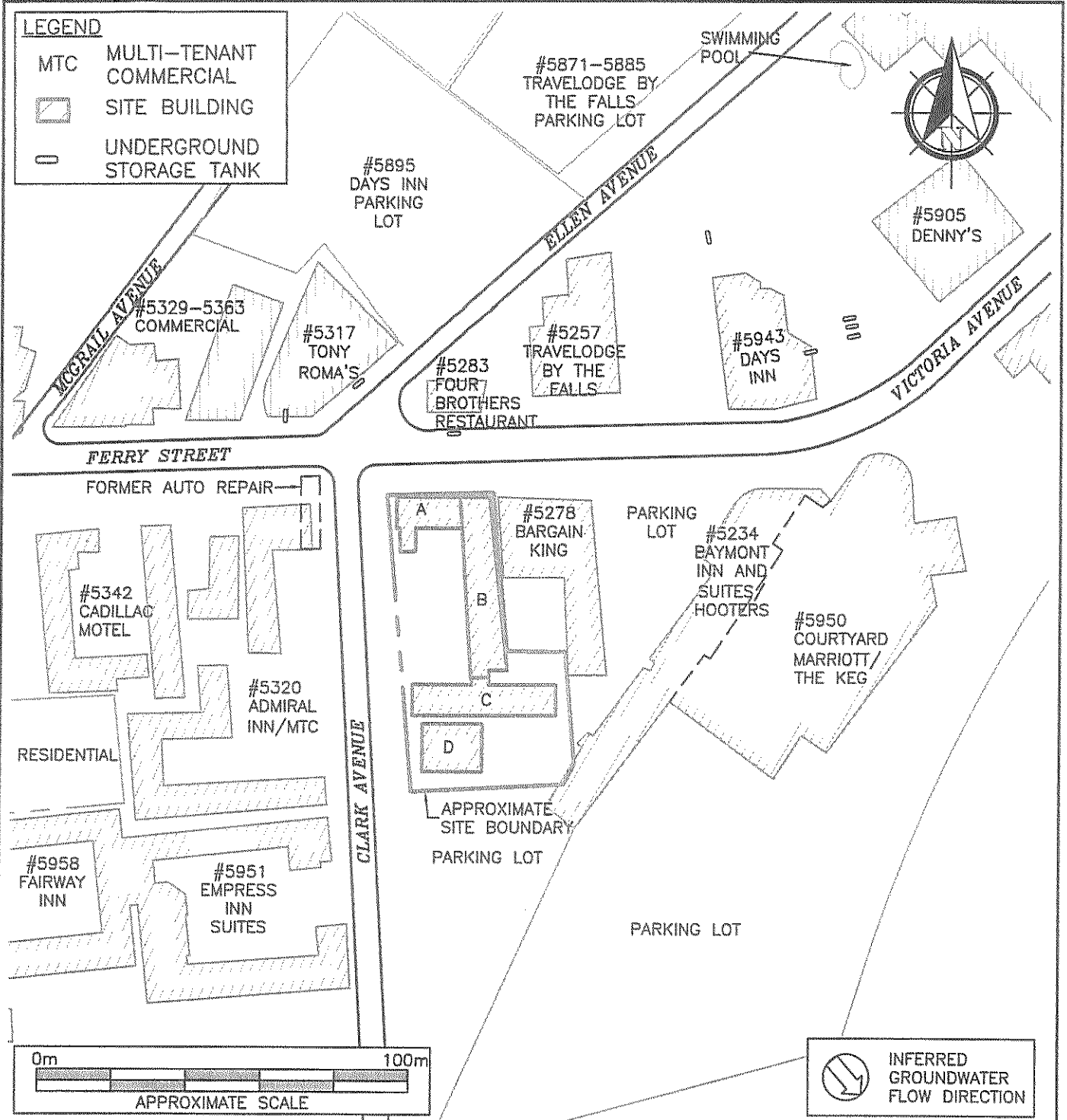
Water Details and Hole Diameter tables with columns: Water found at Depth (m/ft), Kind of Water (Fresh, Untested, Gas, Other, specify), Depth (m/ft) From, To, Diameter (cm/in)

Well Contractor and Well Technician Information: Business Name of Well Contractor, Well Contractor's Licence No., Business Address (Street Number/Name), Municipality, Province, Postal Code, Business E-mail Address

Well Technician Information: Bus. Telephone No. (inc. area code), Name of Well Technician (Last Name, First Name), Well Technician's Licence No., Signature of Technician (and/or Contractor), Date Submitted

Map of Well Location: Please provide a map below following instructions on the back. See Map MW-02. Comments: General contractor: Pinchin Environmental. Ministry Use Only: Audit No. Z178004, OCT 02 2013

S-14474



	PROJECT NAME PHASE I ENVIRONMENTAL SITE ASSESSMENT		
	CLIENT NAME WELLOWNER WEST NIAGARA SOUTH PROPERTIES INC.		
	PROJECT LOCATION 5284 FERRY STREET & 5928-5930 CLARK STREET, NIAGARA FALLS, ONTARIO		
	FIGURE NAME SITE AND SURROUNDING LAND USE PLAN		FIGURE NO. 2
	APPROXIMATE SCALE AS SHOWN	PROJECT NO. 85476	DATE JUNE 2013

CP241 20804

OCT 02 2013

Measurements recorded in: Metric Imperial

Well Owner's Information

First Name: CITY OF NIAGARA FALLS
 Last Name / Organization: [REDACTED]
 Mailing Address (Street Number/Name): 3-30 HANOVER DR.
 Municipality: ST. CATHARINES ON
 Province: ON

Well Location

Address of Well Location (Street Number/Name): ALAN DAVE RD ALLENDALE AVENUE
 County/District/Municipality: R. M. OF NIAGARA
 City/Town/Village: NIAGARA FALLS
 Province: Ontario
 UTM Coordinates: NAD 83 176557484772440
 Township: [REDACTED]
 Lot: [REDACTED]
 Concession: [REDACTED]

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
BROWN / GRAY	SAND / GRAVEL	FILL		0.5	1
BROWN	SILT / SAND / CLAY	(mostly silt)		5	15

TAGGED WELL APPR. 400' SOUTH OF FERRY ST ON ALLENDALE AVENUE

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	4	PRECAST GRACE	60 LB
4	15	3 WELL GRACE	200 LB

Method of Construction

Air percussion
 Other, specify AUGER

Well Use

Other, specify PIROMETER

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
3/4"	PVC	4"	0	5'

Status of Well

Observation and/or Monitoring Hole

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
1"	PVC	10	5'	15'

Water Details

Water found at Depth (m/ft): 0.5
 Kind of Water: Fresh Untested

Water found at Depth (m/ft): 15
 Kind of Water: Fresh Untested

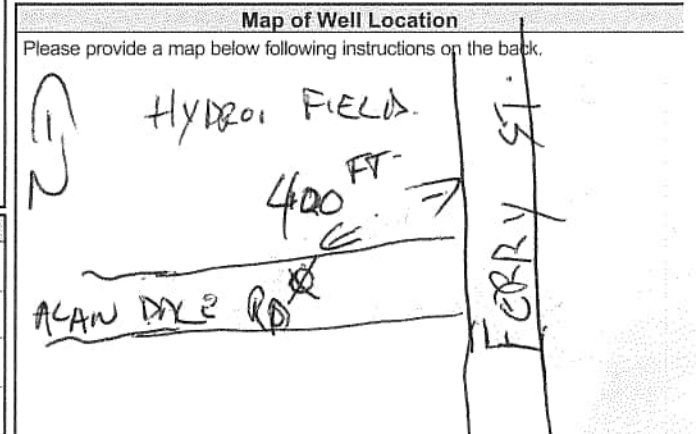
Well Contractor and Well Technician Information

Business Name of Well Contractor: ELITE DRILLING SERVICES
 Well Contractor's Licence No.: 7484
 Business Address (Street Number/Name): P.O. BOX 20062
 Municipality: ST. CATHARINES
 Province: ON
 Postal Code: L2M7W7
 Business E-mail Address: [REDACTED]

Bus. Telephone No. (inc. area code): 9056878691
 Name of Well Technician (Last Name, First Name): GOW, JOHN
 Well Technician's Licence No.: 2617
 Signature of Technician and/or Contractor: [Signature]
 Date Submitted: 20140422

Results of Well Yield Testing

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		



Comments: PIZO ON ROAD.

Well owner's information package delivered: Yes No

Date Package Delivered: YYY Y MM DD
 Date Work Completed: 20140422

Ministry Use Only

Audit No.: Z 156434
 JUL 31 2014

Measurements recorded in: Metric Imperial

A187862

Page 1 of 1

Address of Well Location (Street Number/Name) 5711 Stanley Ave.		Township	Lot	Concession
County/District/Municipality Niagara		City/Town/Village Niagara Falls	Province Ontario	Postal Code
UTM Coordinates NAD 83	Zone 17	Easting 655775	Northing 4772785	Municipal Plan and Sublot Number

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
grey	gravel	sand	fill	0	0.3
brown	sand	silt		0.3	1.2
brown	silt	clay		1.2	4.7
brown	silt	sand		4.7	5.8

Annular Space		
Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)
0	2.4	Bentonite ^{3/8" mesh} 3/8" mesh
2.4	5.8	Silica Sand #1

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

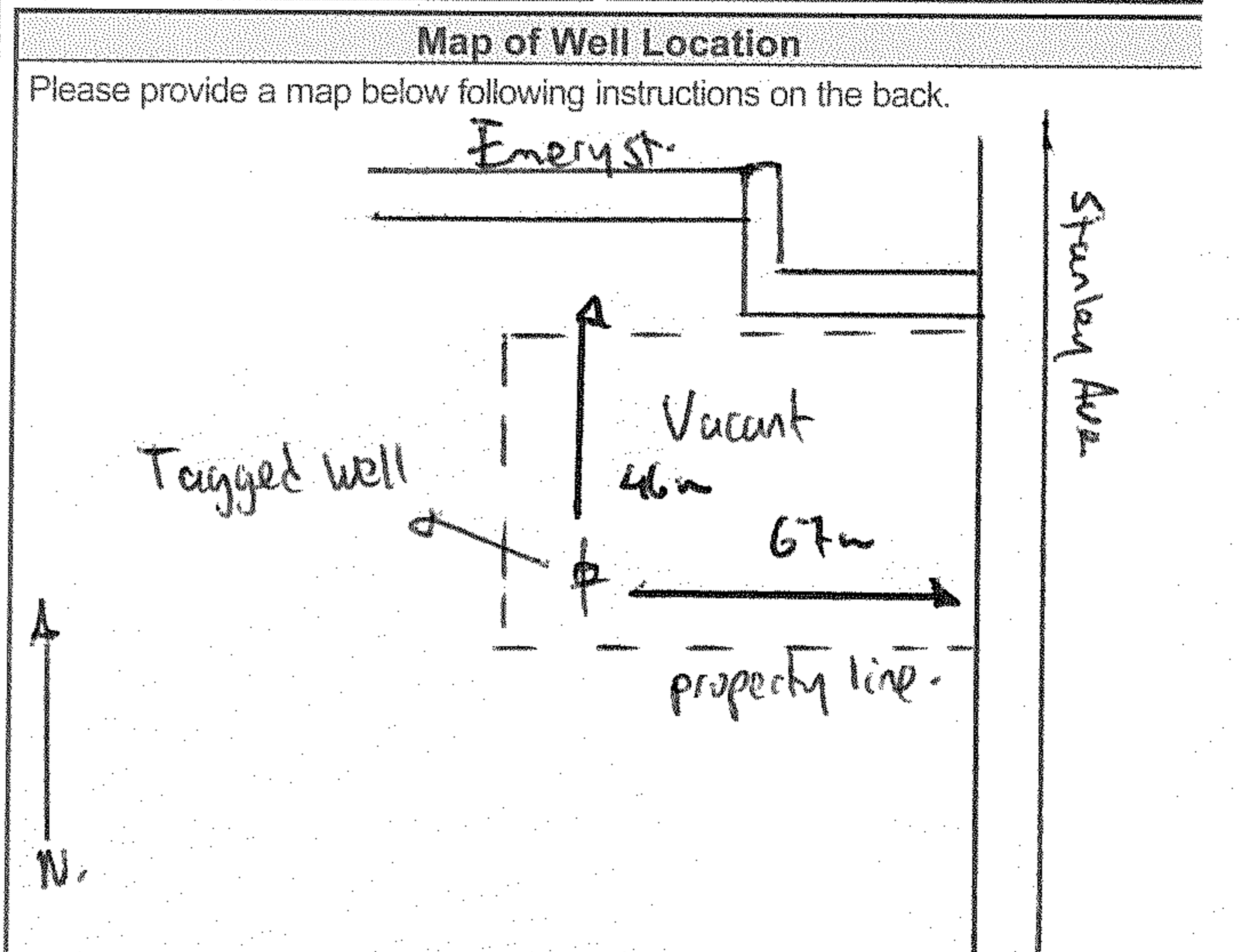
Construction Record - Casing				Status of Well	
Inside Diameter (in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (in)	Depth (ft)		<input type="checkbox"/> Water Supply <input checked="" type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify <input type="checkbox"/> Other, specify
			From	To	
3.125	Plastic	0.05	0	2.7	

Construction Record - Screen				Status of Well
Outside Diameter (in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (ft)	
3.25	Plastic	10	2.7 - 5.0	

Water Details		Hole Diameter	
Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify	Depth (ft)	Diameter (in)
0		0 - 0.5	2.125
0.5		0.5 - 5.8	10.625

Well Contractor and Well Technician Information			
Business Name of Well Contractor Direct Environmental Drilling Inc.		Well Contractor's Licence No. 7 3 2 0	
Business Address (Street Number/Name) 37 Shaw Valley Dr.		Municipality St Thomas	
Province Ont	Postal Code N5R 6S9	Business E-mail Address aarmstrong@directenvironmentaldrilling.com	
3us. Telephone No. (inc. area code) 519 868 0175		Name of Well Technician (Last Name, First Name) Verkade, Cornelis	
Well Technician's Licence No. 3 7 1 2		Signature of Technician and/or Contractor 	
		Date Submitted 2015/01/3	

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



Comments: Outer protective casing installed 8" wide by 12" deep. Sealed with concrete.

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered Y Y Y M M D D 2015/01/03	Ministry Use Only Audit No. 2219162 NOV 16 2015 Received
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A187 864

Measurements recorded in: Metric Imperial

Address of Well Location (Street Number/Name): 5711 Stanley Ave
 Township: _____ Lot: _____ Concession: _____
 County/District/Municipality: Niagara City/Town/Village: Niagara Falls Province: Ontario Postal Code: _____
 UTM Coordinates Zone: 18 Easting: 8317655875 Northing: 4772812 Municipal Plan and Sublot Number: _____ Other: _____

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)	
				From	To
grey	gravel	sand	fill	0	0.3
brown	sand	silt		0.3	1.2
brown	silt	clay		1.2	4.7
brown	silt	sand		4.7	5.8

Annular Space		
Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0 to 2.4	Bentonite Benseal	
2.4 to 5.8	Silica Sand #1	

Results of Well Yield Testing				
After test of well yield, water was: <input type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down		Recovery	
	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
If pumping discontinued, give reason: Pump intake set at (m/ft) _____ Pumping rate (l/min / GPM) _____ Duration of pumping _____ hrs + _____ min Final water level end of pumping (m/ft) _____ If flowing give rate (l/min / GPM) _____ Recommended pump depth (m/ft) _____ Recommended pump rate (l/min / GPM) _____ Well production (l/min / GPM) _____ Disinfected? <input type="checkbox"/> Yes <input type="checkbox"/> No	Static Level			
	1		1	
	2		2	
	3		3	
	4		4	
	5		5	
	10		10	
	15		15	
	20		20	
	25		25	
30		30		
40		40		
50		50		
60		60		

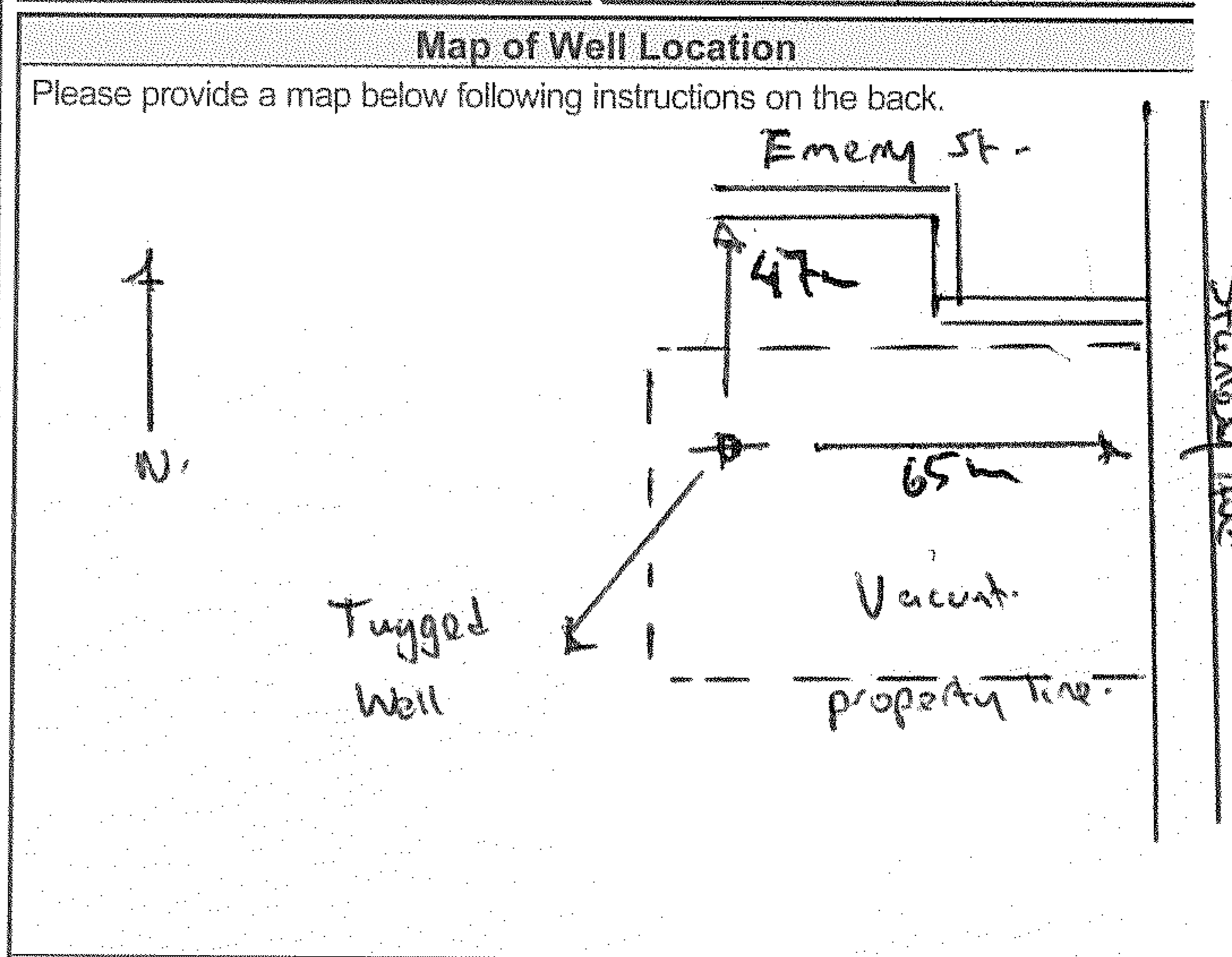
Method of Construction		Well Use	
<input type="checkbox"/> Cable Tool	<input type="checkbox"/> Diamond	<input type="checkbox"/> Public	<input type="checkbox"/> Commercial
<input type="checkbox"/> Rotary (Conventional)	<input type="checkbox"/> Jetting	<input type="checkbox"/> Domestic	<input type="checkbox"/>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

Construction Record - Casing				Status of Well	
Inside Diameter (d/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (t/in)	Depth (m/ft)		<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
			From	To	
3.1u	Plastic	0.05	0	2.7	

Construction Record - Screen				Status of Well	
Outside Diameter (d/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)		<input type="checkbox"/> Other, specify _____
			From	To	
3.2u	Plastic	10	2.7	5.8	

Water Details		Hole Diameter	
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	Depth (m/ft) From To	Diameter (d/in)
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0.5 5.8	10cm
Water found at Depth (m/ft) <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested	0 0.5	2 1/2

Well Contractor and Well Technician Information			
Business Name of Well Contractor: <u>Direct Environmental Drilling Inc.</u>		Well Contractor's Licence No.: <u>7320</u>	
Business Address (Street Number/Name): <u>37 Shaw Valley Dr.</u>		Municipality: <u>St Thomas</u>	
Province: <u>Ont</u>	Postal Code: <u>N5R6J9</u>	Business E-mail Address: <u>curmstronj@directenvironmentaldrilling.com</u>	
Bus. Telephone No. (inc. area code): <u>5198680175</u>		Name of Well Technician (Last Name, First Name): <u>Vorkace, Cornelis</u>	
Well Technician's Licence No.: <u>3712</u>		Signature of Technician and/or Contractor: <u>[Signature]</u>	
		Date Submitted: <u>20151003</u>	



Comments: Outer protective casing installed 8" wide by 12" deep. Sealed with concrete

Well owner's information package delivered: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered: <u>20151003</u>	Ministry Use Only Audit No: <u>2214280</u> Received: <u>NOV 10 2015</u>
Date Work Completed: <u>20151003</u>		

Measurements recorded in: Metric Imperial

Page _____ of _____

Well Owner's Information

First Name	Last Name / Organization Opsini Bros. Inns	E-mail Address	<input type="checkbox"/> Well Constructed by Well Owner
Mailing Address (Street Number/Name) 6039 Fallsview Blvd	Municipality Niagara Falls	Province Ontario	Postal Code L2G3V6
Telephone No. (inc. area code)			

Well Location

Address of Well Location (Street Number/Name) 6039 Fallsview Blvd	Township PL 12, 10, 11	Lot 12, 10, 11	Concession
County/District/Municipality Niagara District	City/Town/Village Niagara Falls	Province Ontario	Postal Code L2G3V6
UTM Coordinates Zone Easting Northing NAD 83 11762111104782653	Municipal Plan and Sublot Number Plan 170 #Lots 12, 10, 11	Other	

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
brown sand			unconsolidated	0	62
gray/black rock			fractured	62	120

Annular Space

Depth Set at (m/ft) From	Depth Set at (m/ft) To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	20	benonite	14.94

Results of Well Yield Testing

After test of well yield, water was: <input checked="" type="checkbox"/> Clear and sand free <input type="checkbox"/> Other, specify _____	Draw Down	Recovery		
If pumping discontinued, give reason:	Time (min)	Water Level (m/ft)	Time (min)	Water Level (m/ft)
	Static Level	66.5'	87'	
Pump intake set at (m/ft) 110	1	70.1'	1	79.6'
Pumping rate (l/min / GPM) 10 gpm	2	72.6'	2	73'
Duration of pumping 1 hrs + 0 min	3	73.9'	3	70.1'
Final water level end of pumping (m/ft) 87	4	74.8'	4	68.9'
If flowing give rate (l/min / GPM)	5	75'	5	66.9'
Recommended pump depth (m/ft) 110	10	79.3'	10	66.5'
Recommended pump rate (l/min / GPM) 10 gpm	15	81.7'	15	66.5'
Well production (l/min / GPM) > 10 gpm	20	83.2'	20	66.5'
Disinfected? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	25	85'	25	66.5'
	30	86.1'	30	66.5'
	40	87'	40	66.5'
	50	87'	50	66.5'
	60	87'	60	66.5'

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

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
6.25	Steel	188	16"	62'	<input checked="" type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____
6.25	Open		62'	120'	

Construction Record - Screen

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

Water Details

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input checked="" type="checkbox"/> Untested	Hole Diameter	
		Depth (m/ft) From	Depth (m/ft) To
111	<input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____	0	20
		20	120

Well Contractor and Well Technician Information

Business Name of Well Contractor Edvan de Zalm Well Drilling	Well Contractor's Licence No. 715 1719
Business Address (Street Number/Name) 840 Concession 2 Rd	Municipality Niagara on the Lake
Province Ontario	Postal Code L4S1J5
Business E-mail Address edvan@edvanwelldrilling.com	Name of Well Technician (Last Name, First Name) Edvan de Zalm
Bus. Telephone No. (inc. area code) 249 689 7943	Signature of Technician and/or Contractor <i>Edvan de Zalm</i>
Well Technician's Licence No. 249 15 17	Date Submitted 2018/01/02

Map of Well Location

Please provide a map below following instructions on the back.

Comments:

Well owner's information package delivered <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date Package Delivered 2018/01/02	Ministry Use Only Audit No. 2267839 Received JAN 19 2018
Date Work Completed 2018/01/02		

A 030770

Instructions for Completing Form

- For use in the Province of Ontario only. This document is a permanent legal document. Please retain for future reference.
- All Sections must be completed in full to avoid delays in processing. Further instructions and explanations are available on the back of this form.
- Questions regarding completing this application can be directed to the Water Well Management Coordinator at 416-235-6203.
- All metre measurements shall be reported to 1/10th of a metre.
- Please print clearly in blue or black ink only.

Well Owner's Information and Location of Well Information						Ministry Use Only					
MUN				CON				LOT			
First Name	134669		Last Name	ONTARIO INC		Mailing Address (Street Number/Name, RR, Lot, Concession)					
134669						7739 DRUMMOND RD.					
County/District/Municipality		Township/City/Town/Village		Province	Postal Code	Telephone Number (include area code)					
NIAG. FALLS		NIAG. FALLS		Ontario	L2G 4P9	905-651-8244					
Address of Well Location (County/District/Municipality)						Township		Lot	Concession		
5700 Stanley Ave						Niagara Falls		798			
RR#/Street Number/Name						City/Town/Village		Site/Compartment/Block/Tract etc.			
						Niagara Falls					
GPS Reading	NAD	Zone	Easting	Northing	Unit Make/Model		Mode of Operation:				
	83	17	655892	4772655	Meggala		<input type="checkbox"/> Undifferentiated <input checked="" type="checkbox"/> Averaged <input type="checkbox"/> Differentiated, specify				

Log of Overburden and Bedrock Materials (see instructions)

General Colour	Most common material	Other Materials	General Description	Depth From	Metres To
Brown	Topsoil			0	0.6
Grey	Clay			0.6	4.87
Brown	Sand			4.87	6.09
Brown	Sand	Silt		6.09	14.32
Grey	limestone			14.32	15.24

Hole Diameter			Construction Record				Test of Well Yield						
Depth	Metres	Diameter	Inside diam centimetres	Material	Wall thickness centimetres	Depth		Pumping test method		Draw Down		Recovery	
From	To	Centimetres				From	To	Submersible	Time min	Water Level Metres	Time min	Water Level Metres	
0	15.24	15	15	Steel	1.188	0	14.32	Pump intake set at - (metres)	Static Level				
Water Record			Casing				Test of Well Yield						
Water found at 13.7 metres			<input checked="" type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				Pumping rate - (litres/min) 37.85 Duration of pumping 5 hrs + min Final water level end of pumping 10.02 metres Recommended pump type <input checked="" type="checkbox"/> Shallow <input type="checkbox"/> Deep Recommended pump depth 17 metres Recommended pump rate 37.85 (litres/min) If flowing give rate - (litres/min)						
<input checked="" type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other:			Screen				If pumping discontinued, give reason.						
<input type="checkbox"/> m <input type="checkbox"/> Fresh <input type="checkbox"/> Sulphur <input type="checkbox"/> Gas <input type="checkbox"/> Salty <input type="checkbox"/> Minerals <input type="checkbox"/> Other:			Outside diam <input type="checkbox"/> Steel <input type="checkbox"/> Fibreglass <input type="checkbox"/> Plastic <input type="checkbox"/> Concrete <input type="checkbox"/> Galvanized				10 8.99 10 8.32 15 9.14 15 8.16 20 9.26 20 8.01 25 9.32 25 7.89 30 9.38 30 7.83 40 9.50 40 7.71 50 9.60 50 7.62 60 9.66 60 7.55						
After test of well yield, water was			No Casing or Screen										
<input checked="" type="checkbox"/> Clear and sediment free <input type="checkbox"/> Other, specify			<input checked="" type="checkbox"/> Open hole				14.32 15.24						
Chlorinated <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													

Plugging and Sealing Record			Annular space	Abandonment
Depth set at - Metres	Material and type (bentonite slurry, neat cement slurry) etc.	Volume Placed (cubic metres)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
From To				
0 6	Bentonite slurry Quick Grewt	132.4 L		
		.132 m ³		

Method of Construction			
<input checked="" type="checkbox"/> Cable Tool	<input type="checkbox"/> Rotary (air)	<input type="checkbox"/> Diamond	<input type="checkbox"/> Digging
<input type="checkbox"/> Rotary (conventional)	<input type="checkbox"/> Air percussion	<input type="checkbox"/> Jetting	<input type="checkbox"/> Other
<input type="checkbox"/> Rotary (reverse)	<input type="checkbox"/> Boring	<input type="checkbox"/> Driving	
Water Use			
<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/> Industrial	<input type="checkbox"/> Public Supply	<input type="checkbox"/> Other
<input type="checkbox"/> Stock	<input type="checkbox"/> Commercial	<input type="checkbox"/> Not used	
<input type="checkbox"/> Irrigation	<input type="checkbox"/> Municipal	<input type="checkbox"/> Cooling & air conditioning	
Final Status of Well			
<input checked="" type="checkbox"/> Water Supply	<input type="checkbox"/> Recharge well	<input type="checkbox"/> Unfinished	<input type="checkbox"/> Abandoned, (Other)
<input type="checkbox"/> Observation well	<input type="checkbox"/> Abandoned, insufficient supply	<input type="checkbox"/> Dewatering	
<input type="checkbox"/> Test Hole	<input type="checkbox"/> Abandoned, poor quality	<input type="checkbox"/> Replacement well	

Well Contractor/Technician Information	
Name of Well Contractor	Well Contractor's Licence No.
Circle Eddy's Drilling	7294
Business Address (street name, number, city etc.)	
108 Queen St South Thorold ON N3V 4P4	
Name of Well Technician (last name, first name)	Well Technician's Licence No.
Gladney Edward	T-2099
Signature of Technician/Contractor	Date Submitted
[Signature]	MAY 25 2007

Location of Well	
In diagram below show distances of well from road, lot line, and building. Indicate north by arrow.	
Audit No.	Date Well Completed
Z 33232	07 04 15
Was the well owner's information package delivered?	Date Delivered
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	07 04 30

Ministry Use Only	
Data Source	Contractor
	7294
Date Received	Date of Inspection
MAY 25 2007	
Remarks	Well Record Number

Master Well Owner's and Land Owner's Information

First Name: *Shell Products* Last Name: _____ E-mail Address: _____
 Mailing Address (Street Number/Name, RR): *90 Sheppard Ave. E. Toronto* Municipality: *STC 600* Province: *Ont* Postal Code: *M2N 6Y2* Telephone No. (inc. area code): *416 227 7111*

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): *5460 Ferry St* Township: _____ Lot: _____ Concession: _____
 County/District/Municipality: _____ City/Town/Village: *Niagara Falls* Province: **Ontario** Postal Code: *L2G 1S1*

UTM Coordinates: Zone: *18* Easting: *724772* Northing: *2297* GPS Unit Make: *Garmin* Model: *E-Trex* Mode of Operation: Undifferentiated Averaged
 Differentiated, specify _____

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres)	
				From	To
<i>Brown</i>	<i>sand</i>	<i>gravel</i>	<i>Hard</i>	<i>0</i>	<i>1.5</i>
<i>Brown</i>	<i>silt</i>	<i>clay</i>	<i>Hard</i>	<i>1.5</i>	<i>82</i>

Hole Details

Depth (Metres)	Diameter (Centimetres)	
	From	To
<i>0</i>	<i>82</i>	<i>21</i>

Water Use

Public Industrial Not used Other, specify _____
 Domestic Commercial Dewatering
 Livestock Municipal Monitoring
 Irrigation Test Hole Cooling & Air Conditioning

Method of Construction

Cable Tool Air Percussion Digging
 Rotary (Conventional) Diamond Boring
 Rotary (Reverse) Jetting Other, specify _____
 Rotary (Air) Driving

Status of Well

Test Hole Abandoned, Insufficient Supply
 Replacement Well Abandoned, Poor Water Quality
 Dewatering Well Other, specify _____
 Alteration (Construction) Abandoned, other, specify _____

No Casing and Screen Used Yes No

Static Water Level Test _____ Metres

Screen

Galvanized Steel Fibreglass Concrete Plastic

Outside Diameter (Centimetres): *6.4* Slot No.: *20*

Water Details

Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals

Disinfected Yes No. If no, provide reason: _____ Date Master Well Completed (yyyy/mm/dd): *2009/10/06*

Cluster Information (Please also fill out the additional Cluster Well information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster: *7* Please indicate Number of Cluster Well Information Log Sheets Submitted: *1*
 Total Wells on this Property: *7*

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Signature of Technician/Contractor: *Andrew Penwarden* Date (yyyy/mm/dd): *2009/10/06*

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres)	
			From	To
<i>5.1</i>	<i>Plastic</i>	<i>0.65</i>	<i>0</i>	<i>82</i>

Annular Space/Abandonment Sealing Record

Depth Set at (Metres)		Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
From	To		
<i>0</i>	<i>5.1</i>	<i>Bentonite</i>	

Well Contractor and Well Technician Information

Business Name of Well Contractor: *Geo Environmental* Well Contractor's Licence No.: *6607*
 Business Address (Street No./Name, number, RR): *340 Market Dr* Municipality: *Milton*
 Province: *Ont* Postal Code: *L9T 5A4* Business E-mail Address: _____
 Bus. Telephone No. (inc. area code): *905 876 3388* Name of Well Technician (Last Name, First Name): *Andrew Penwarden*
 Well Technician's Licence No.: *1901* Signature of Technician: *Andrew Penwarden* Date Submitted (yyyy/mm/dd): *2009/10/06*

Ministry Use Only

Audit No.: **M 061.43** Well Contractor No.: _____
 Date Received (yyyy/mm/dd): **DEC 02 2009** Date of Inspection (yyyy/mm/dd): _____
 Remarks: _____

A092272

Property Owner's Information

First Name: Shel Canada Products Last Name: Shel Canada Products Mailing Address (Street No./Name, RR): 90 Sheppard Ave E. Ste 600 Municipality: Toronto

Province: Ontario Postal Code: M2N 6Y2 E-mail Address: _____ Telephone No. (inc. area code): 416 227 7111

Cluster Well Information

Address of Well Location (Street Number/Name, RR): 5460 Ferry St Lot: _____ Concession: _____ Township: _____ County/District/Municipality: _____

City/Town/Village: Niagara Falls Province: Ontario Postal Code: L2G 1S1 GPS Unit Make: Garmin Model: e-Trex Unit Mode of Operation: Undifferentiated Averaged Differentiated, specify: _____

Consent

Signature of Technician/Contractor: [Signature] Date (yyyy/mm/dd): 2009/10/07

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
108	17	6558904772308	8.2	21	Boring	Plastic	5.1	5.1	8.2	Bentrite				
107	17	6558814772304	8.2	↓	↓	↓	↓	↓	↓	↓				
105	17	6558724772297	↓	↓	↓	↓	↓	↓	↓	↓				
103	17	6558804772275	↓	↓	↓	↓	↓	↓	↓	↓				
104	17	6558614772278	↓	↓	↓	↓	↓	↓	↓	↓				
102	17	6558784772272	↓	↓	↓	↓	↓	↓	↓	↓				
101	17	6558709772281	↓	↓	↓	↓	↓	↓	↓	↓				

Well Contractor and Well Technician Information

Business Name of Well Contractor: Geo Environmental Business Address (Street Number/Name, RR): 340 Market dr Municipality: Milton Province: Ont

Postal Code: L9T 5A5 Business Telephone No. (inc. area code): 905 876 3388 Well Contractor's Licence No.: 6607 Business E-mail Address: _____

Name of Well Technician (First Name, Last Name): Arkan Penwarden Well Technician's Licence No.: 1901 Date Submitted (yyyy/mm/dd): 2009/10/08 Signature of Technician: [Signature]

Date 1st Well in Cluster Constructed (yyyy/mm/dd): 2009/10/06 Date Last Well in Cluster Constructed (yyyy/mm/dd): 2009/10/07

Ministry Use Only

Date Received (yyyy/mm/dd): DEC 02 2009 Date Inspected (yyyy/mm/dd): _____

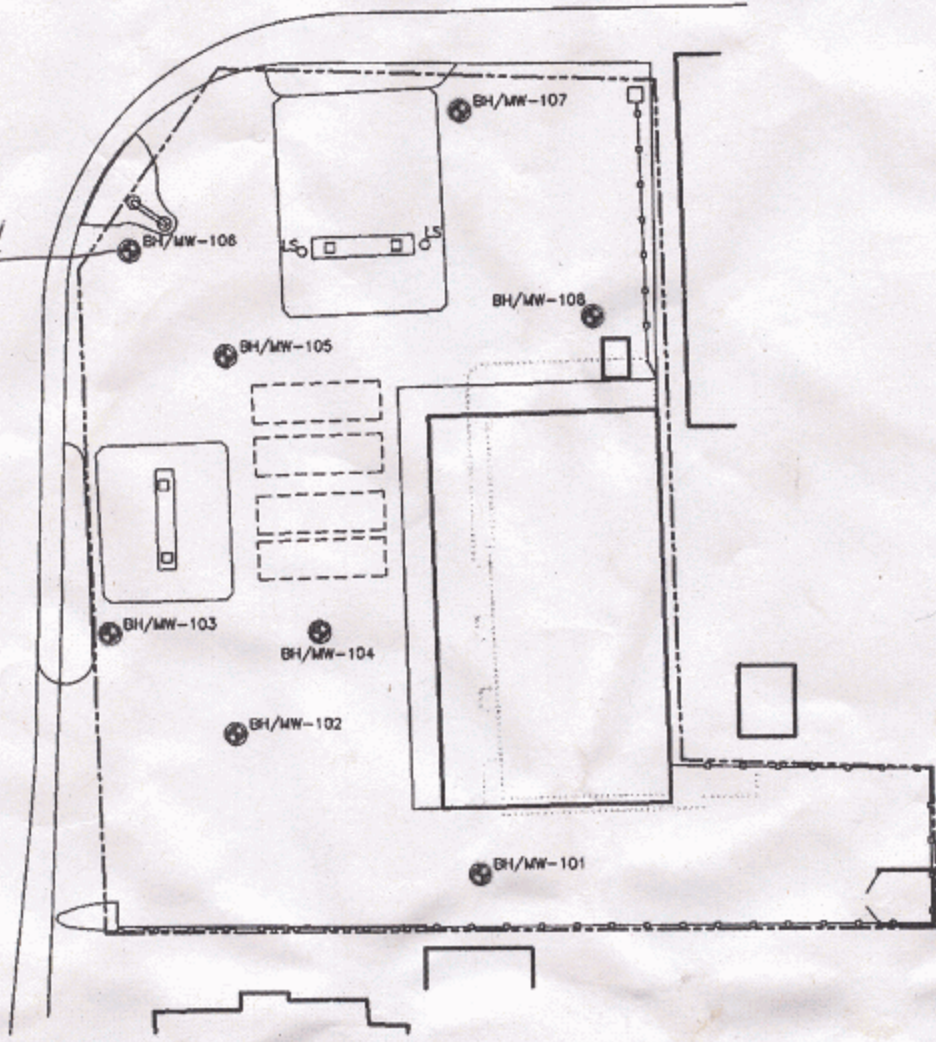
Audit No.: C06386 Remarks: mob143

FERRY STREET



Tagged

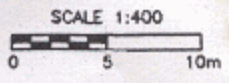
STANLEY AVENUE



C-6607
 M06143
 C06386

LEGEND	
	PROPOSED BOREHOLE/MONITORING WELL
	LIGHT STANDARD
	MANHOLE
	SITE PROPERTY LINE
	EXISTING BUILDING
	INFRASTRUCTURE
	FORMER INFRASTRUCTURE
	GUARD FENCE
	UNDERGROUND TANK

NOTE(S):
 1. SCALE AND SITE INFRASTRUCTURE LOCATIONS ARE APPROXIMATE
 2. INFORMATION ON THIS FIGURE MAY BE LOST IF IT IS PHOTOCOPIED OR FAXED
 3. "m" : METRES



	Client/Location: SHELL 5460 FERRY STREET NIAGARA FALLS, ON		Title: PROPOSED BOREHOLE/MONITORING WELL LOCATIONS	
	Project No: S04828	Filename: 01F03_S04828	Date: MAY 2009	Drawing No: FIGURE 3
	Drawn: FD	Verified:	Project Manager:	

DEC 02 2009

Master Well Owner's and Land Owner's Information

First Name: *Shell Products* Last Name: _____ E-mail Address: _____
 Mailing Address (Street Number/Name, RR): *90 Sheppard Ave. E. Toronto* Municipality: *STC 600* Province: *Ont* Postal Code: *M2N 6Y2* Telephone No. (inc. area code): *416 227 7111*

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): *5460 Ferry St* Township: _____ Lot: _____ Concession: _____
 County/District/Municipality: _____ City/Town/Village: *Niagara Falls* Province: **Ontario** Postal Code: *L2G 1S1*

UTM Coordinates: Zone: *18* Easting: *724772* Northing: *2297* GPS Unit Make: *Garmin* Model: *E-Trex* Mode of Operation: Undifferentiated Averaged
 Differentiated, specify _____

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres)	
				From	To
<i>Brown</i>	<i>sand</i>	<i>gravel</i>	<i>Hard</i>	<i>0</i>	<i>1.5</i>
<i>Brown</i>	<i>silt</i>	<i>clay</i>	<i>Hard</i>	<i>1.5</i>	<i>82</i>

Hole Details

Depth (Metres)	Diameter (Centimetres)	
	From	To
<i>0</i>	<i>82</i>	<i>21</i>

Water Use

Public Industrial Not used Other, specify _____
 Domestic Commercial Dewatering
 Livestock Municipal Monitoring
 Irrigation Test Hole Cooling & Air Conditioning

Method of Construction

Cable Tool Air Percussion Digging
 Rotary (Conventional) Diamond Boring
 Rotary (Reverse) Jetting Other, specify _____
 Rotary (Air) Driving

Status of Well

Test Hole Abandoned, Insufficient Supply
 Replacement Well Abandoned, Poor Water Quality
 Dewatering Well Other, specify _____
 Alteration (Construction) Abandoned, other, specify _____

No Casing and Screen Used Yes No

Static Water Level Test _____ Metres

Screen

Galvanized Steel Fibreglass Concrete Plastic

Outside Diameter (Centimetres): *6.4* Slot No.: *20*

Water Details

Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals

Disinfected Yes No. If no, provide reason: _____ Date Master Well Completed (yyyy/mm/dd): *2009/10/06*

Cluster Information (Please also fill out the additional Cluster Well information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster: *7* Please indicate Number of Cluster Well Information Log Sheets Submitted: *1*
 Total Wells on this Property: *7*

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Signature of Technician/Contractor: *Andrew Penwarden* Date (yyyy/mm/dd): *2009/10/06*

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres)	
			From	To
<i>5.1</i>	<i>Plastic</i>	<i>0.65</i>	<i>0</i>	<i>82</i>

Annular Space/Abandonment Sealing Record

Depth Set at (Metres)		Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
From	To		
<i>0</i>	<i>5.1</i>	<i>Bentonite</i>	

Well Contractor and Well Technician Information

Business Name of Well Contractor: *Geo Environmental* Well Contractor's Licence No.: *6607*
 Business Address (Street No./Name, number, RR): *340 Market Dr* Municipality: *Milton*
 Province: *Ont* Postal Code: *L9T 5A4* Business E-mail Address: _____
 Bus. Telephone No. (inc. area code): *905 876 3388* Name of Well Technician (Last Name, First Name): *Andrew Penwarden*
 Well Technician's Licence No.: *1901* Signature of Technician: *Andrew Penwarden* Date Submitted (yyyy/mm/dd): *2009/10/06*

Ministry Use Only

Audit No.: **M 061.43** Well Contractor No.: _____
 Date Received (yyyy/mm/dd): *DEC 02 2009* Date of Inspection (yyyy/mm/dd): _____
 Remarks: _____

A092272

Property Owner's Information

First Name: *Shel Canada Products* Last Name: *Shel Canada Products* Mailing Address (Street No./Name, RR): *90 Sheppard Ave E* Municipality: *Toronto*

Province: *Ontario* Postal Code: *M2N 6Y2* E-mail Address: _____ Telephone No. (inc. area code): *416 227 7111*

Cluster Well Information

Address of Well Location (Street Number/Name, RR): *5460 Ferry St* Lot: _____ Concession: _____ Township: _____ County/District/Municipality: _____

City/Town/Village: *Niagara Falls* Province: *Ontario* Postal Code: *L2G 1S1* GPS Unit Make: *Garmin* Model: *e-Trex* Unit Mode of Operation: Undifferentiated Averaged Differentiated, specify: _____

Consent

Signature of Technician/Contractor: *[Signature]* Date (yyyy/mm/dd): *2009/10/07*

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
108	17	6558904772308	8.2	21	Boring	Plastic	5.1	5.1	8.2	Bentonite				
107	17	6558814772304	8.2	↓	↓	↓	↓	↓	↓	↓				
105	17	6558724772297	↓	↓	↓	↓	↓	↓	↓	↓				
103	17	6558804772275	↓	↓	↓	↓	↓	↓	↓	↓				
104	17	6558614772278	↓	↓	↓	↓	↓	↓	↓	↓				
102	17	6558784772272	↓	↓	↓	↓	↓	↓	↓	↓				
101	17	6558704772281	↓	↓	↓	↓	↓	↓	↓	↓				

Well Contractor and Well Technician Information

Business Name of Well Contractor: *Geo Environmental* Business Address (Street Number/Name, RR): *340 Market dr* Municipality: *Milton* Province: *Ont*

Postal Code: *L9T 5A5* Business Telephone No. (inc. area code): *905 876 3388* Well Contractor's Licence No.: *6607* Business E-mail Address: _____

Name of Well Technician (First Name, Last Name): *Arkan Penwarden* Well Technician's Licence No.: *1901* Date Submitted (yyyy/mm/dd): *2009/10/08* Signature of Technician: *[Signature]*

Date 1st Well in Cluster Constructed (yyyy/mm/dd): *2009/10/06* Date Last Well in Cluster Constructed (yyyy/mm/dd): *2009/10/07*

Ministry Use Only

Date Received (yyyy/mm/dd): *DEC 02 2009* Date Inspected (yyyy/mm/dd): _____

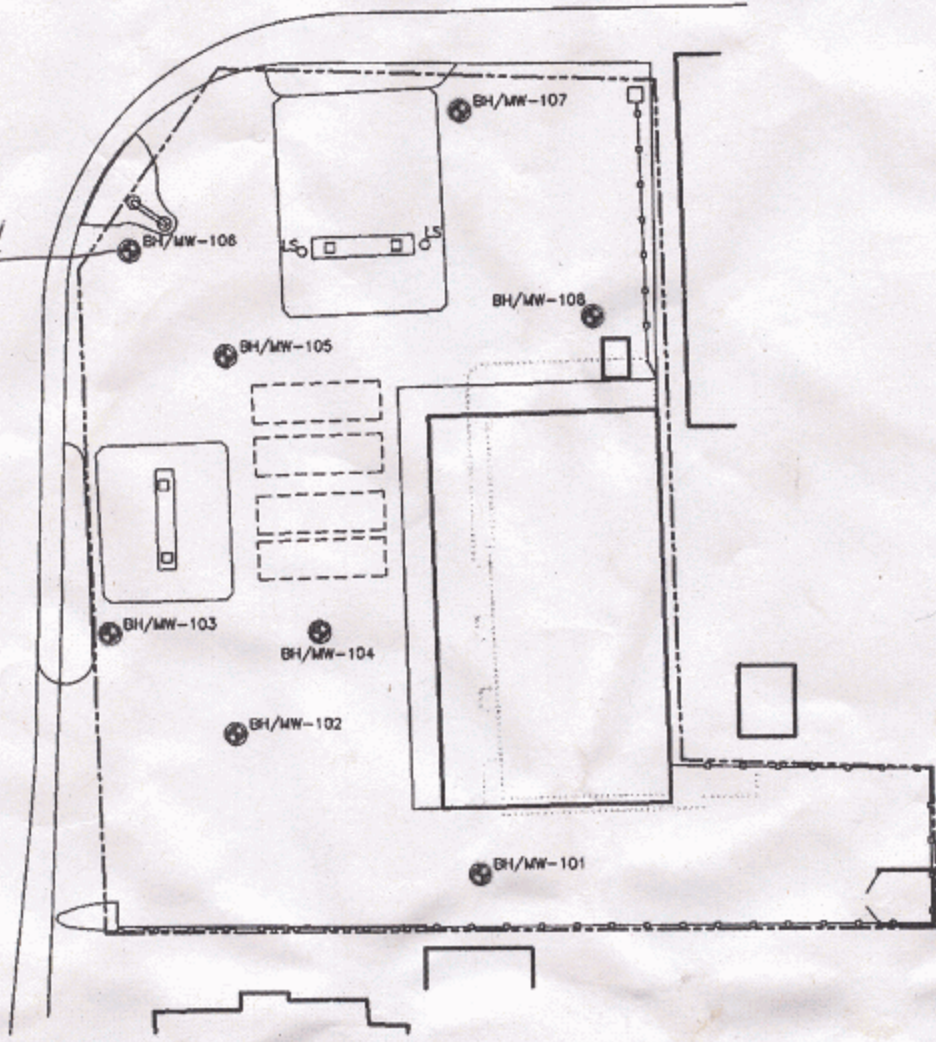
Audit No.: *C06386* Remarks: *mob143*

FERRY STREET



Tagged

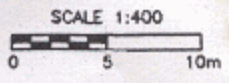
STANLEY AVENUE



C-6607
 M06143
 C06386

LEGEND	
	PROPOSED BOREHOLE/MONITORING WELL
	LIGHT STANDARD
	MANHOLE
	SITE PROPERTY LINE
	EXISTING BUILDING
	INFRASTRUCTURE
	FORMER INFRASTRUCTURE
	GUARD FENCE
	UNDERGROUND TANK

NOTE(S):
 1. SCALE AND SITE INFRASTRUCTURE LOCATIONS ARE APPROXIMATE
 2. INFORMATION ON THIS FIGURE MAY BE LOST IF IT IS PHOTOCOPIED OR FAXED
 3. "m" : METRES



	Client/Location:		SHELL 5460 FERRY STREET NIAGARA FALLS, ON		Title:		PROPOSED BOREHOLE/MONITORING WELL LOCATIONS	
	Project No:	S04828	Filename:	01F03_S04828	Date:	MAY 2009	Drawing No:	FIGURE 3
	Drawn:	FD	Verified:		Project Manager:			

DEC 02 2009

Master Well Owner's and Land Owner's Information

First Name: *Shell Products* Last Name: _____ E-mail Address: _____
 Mailing Address (Street Number/Name, RR): *90 Sheppard Ave. E. Toronto* Municipality: *STC 600* Province: *Ont* Postal Code: *M2N 6Y2* Telephone No. (inc. area code): *416 227 7111*

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): *5460 Ferry St* Township: _____ Lot: _____ Concession: _____
 County/District/Municipality: _____ City/Town/Village: *Niagara Falls* Province: **Ontario** Postal Code: *L2G 1S1*

UTM Coordinates: Zone: *18* Easting: *724772* Northing: *2297* GPS Unit Make: *Garmin* Model: *E-Trex* Mode of Operation: Undifferentiated Averaged
 Differentiated, specify _____

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres)	
				From	To
<i>Brown</i>	<i>sand</i>	<i>gravel</i>	<i>Hard</i>	<i>0</i>	<i>1.5</i>
<i>Brown</i>	<i>silt</i>	<i>clay</i>	<i>Hard</i>	<i>1.5</i>	<i>82</i>

Hole Details

Depth (Metres)	Diameter (Centimetres)	
	From	To
<i>0</i>	<i>82</i>	<i>21</i>

Water Use

Public Industrial Not used Other, specify _____
 Domestic Commercial Dewatering
 Livestock Municipal Monitoring
 Irrigation Test Hole Cooling & Air Conditioning

Method of Construction

Cable Tool Air Percussion Digging
 Rotary (Conventional) Diamond Boring
 Rotary (Reverse) Jetting Other, specify _____
 Rotary (Air) Driving

Status of Well

Test Hole Abandoned, Insufficient Supply
 Replacement Well Abandoned, Poor Water Quality
 Dewatering Well Other, specify _____
 Alteration (Construction) Abandoned, other, specify _____

No Casing and Screen Used Yes No

Static Water Level Test _____ Metres

Screen

Galvanized Steel Fibreglass Concrete Plastic

Outside Diameter (Centimetres): *6.4* Slot No.: *20*

Water Details

Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals

Disinfected Yes No. If no, provide reason: _____ Date Master Well Completed (yyyy/mm/dd): *2009/10/06*

Cluster Information (Please also fill out the additional Cluster Well information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster: *7* Please indicate Number of Cluster Well Information Log Sheets Submitted: *1*
 Total Wells on this Property: *7*

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Signature of Technician/Contractor: *Andrew Penwarden* Date (yyyy/mm/dd): *2009/10/06*

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres)	
			From	To
<i>5.1</i>	<i>Plastic</i>	<i>0.65</i>	<i>0</i>	<i>82</i>

Annular Space/Abandonment Sealing Record

Depth Set at (Metres)		Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
From	To		
<i>0</i>	<i>5.1</i>	<i>Bentonite</i>	

Well Contractor and Well Technician Information

Business Name of Well Contractor: *Geo Environmental* Well Contractor's Licence No.: *6607*
 Business Address (Street No./Name, number, RR): *340 Market Dr* Municipality: *Milton*
 Province: *Ont* Postal Code: *L9T 5A4* Business E-mail Address: _____
 Bus. Telephone No. (inc. area code): *905 876 3388* Name of Well Technician (Last Name, First Name): *Andrew Penwarden*
 Well Technician's Licence No.: *1901* Signature of Technician: *Andrew Penwarden* Date Submitted (yyyy/mm/dd): *2009/10/06*

Ministry Use Only

Audit No.: **M 061.43** Well Contractor No.: _____
 Date Received (yyyy/mm/dd): **DEC 02 2009** Date of Inspection (yyyy/mm/dd): _____
 Remarks: _____

A092272

Property Owner's Information

First Name: Shel Canada Products Last Name: Shel Canada Products Mailing Address (Street No./Name, RR): 90 Sheppard Ave E Municipality: Toronto

Province: Ontario Postal Code: M2N 6Y2 E-mail Address: _____ Telephone No. (inc. area code): 416 227 7111

Cluster Well Information

Address of Well Location (Street Number/Name, RR): 5460 Ferry St Lot: _____ Concession: _____ Township: _____ County/District/Municipality: _____

City/Town/Village: Niagara Falls Province: Ontario Postal Code: L2G 1S1 GPS Unit Make: Garmin Model: e-Trex Unit Mode of Operation: Undifferentiated Averaged Differentiated, specify: _____

Consent

Signature of Technician/Contractor: _____ Date (yyyy/mm/dd): 2009/10/07

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
108	17	6558904772308	8.2	21	Boring	Plastic	5.1	5.1	8.2	Bentonite				
107	17	6558814772304	8.2	↓	↓	↓	↓	↓	↓	↓				
105	17	6558724772297	↓	↓	↓	↓	↓	↓	↓	↓				
103	17	6558804772275	↓	↓	↓	↓	↓	↓	↓	↓				
104	17	6558614772278	↓	↓	↓	↓	↓	↓	↓	↓				
102	17	6558784772272	↓	↓	↓	↓	↓	↓	↓	↓				
101	17	6558704772281	↓	↓	↓	↓	↓	↓	↓	↓				

Well Contractor and Well Technician Information

Business Name of Well Contractor: Geo Environmental Business Address (Street Number/Name, RR): 340 Market dr Municipality: Milton Province: Ont

Postal Code: L9T 5A5 Business Telephone No. (inc. area code): 905 876 3388 Well Contractor's Licence No.: 6607 Business E-mail Address: _____

Name of Well Technician (First Name, Last Name): Arkan Penwarden Well Technician's Licence No.: 1901 Date Submitted (yyyy/mm/dd): 2009/10/08 Signature of Technician: _____

Date 1st Well in Cluster Constructed (yyyy/mm/dd): 2009/10/06 Date Last Well in Cluster Constructed (yyyy/mm/dd): 2009/10/07

Ministry Use Only

Date Received (yyyy/mm/dd): DEC 02 2009 Date Inspected (yyyy/mm/dd): _____

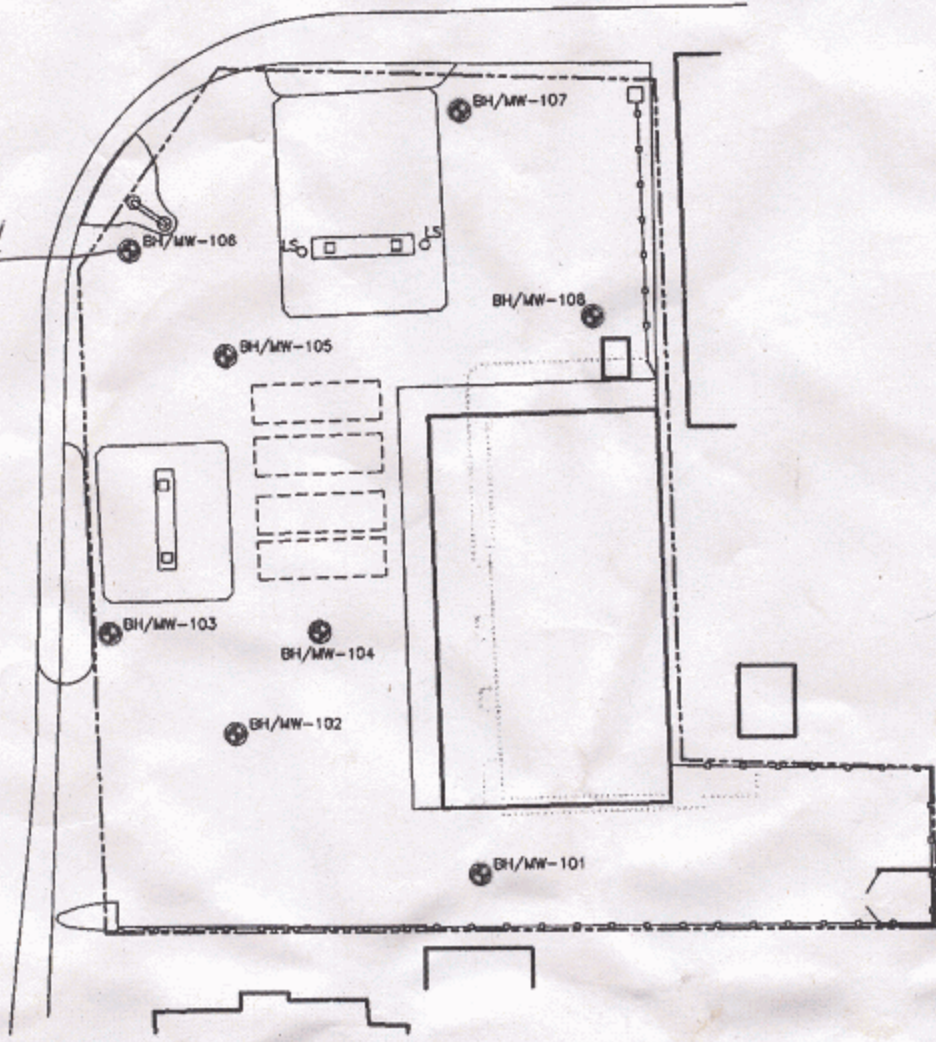
Audit No.: C06386 Remarks: mob143

FERRY STREET



Tagged

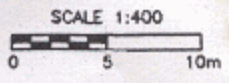
STANLEY AVENUE



C-6607
 M06143
 C06386

LEGEND	
	PROPOSED BOREHOLE/MONITORING WELL
	LIGHT STANDARD
	MANHOLE
	SITE PROPERTY LINE
	EXISTING BUILDING
	INFRASTRUCTURE
	FORMER INFRASTRUCTURE
	GUARD FENCE
	UNDERGROUND TANK

NOTE(S):
 1. SCALE AND SITE INFRASTRUCTURE LOCATIONS ARE APPROXIMATE
 2. INFORMATION ON THIS FIGURE MAY BE LOST IF IT IS PHOTOCOPIED OR FAXED
 3. "m" : METRES



	Client/Location: SHELL 5460 FERRY STREET NIAGARA FALLS, ON		Title: PROPOSED BOREHOLE/MONITORING WELL LOCATIONS	
	Project No: S04828	Filename: 01F03_S04828	Date: MAY 2009	Drawing No: FIGURE 3
	Drawn: FD	Verified:	Project Manager:	

DEC 02 2009

Master Well Owner's and Land Owner's Information

First Name: *Shell Products* Last Name: _____ E-mail Address: _____
 Mailing Address (Street Number/Name, RR): *90 Sheppard Ave. E. Toronto* Municipality: *STC 600* Province: *Ont* Postal Code: *M2N 6Y2* Telephone No. (inc. area code): *416 227 7111*

Location and Construction of the Master Well in the Cluster

Address of Well Location (Street Number/Name, RR): *5460 Ferry St* Township: _____ Lot: _____ Concession: _____
 County/District/Municipality: _____ City/Town/Village: *Niagara Falls* Province: **Ontario** Postal Code: *L2G 1S1*

UTM Coordinates: Zone: *18* Easting: *724772* Northing: *2297* GPS Unit Make: *Garmin* Model: *E-Trex* Mode of Operation: Undifferentiated Averaged
 Differentiated, specify _____

Overburden and Bedrock Materials (see instructions on the back of this form)

General Colour	Most Common Material	Other Materials	General Description	Depth (Metres)	
				From	To
<i>Brown</i>	<i>sand</i>	<i>gravel</i>	<i>Hard</i>	<i>0</i>	<i>1.5</i>
<i>Brown</i>	<i>silt</i>	<i>clay</i>	<i>Hard</i>	<i>1.5</i>	<i>82</i>

Hole Details

Depth (Metres)	Diameter (Centimetres)	
	From	To
<i>0</i>	<i>82</i>	<i>21</i>

Water Use

Public Industrial Not used Other, specify _____
 Domestic Commercial Dewatering
 Livestock Municipal Monitoring
 Irrigation Test Hole Cooling & Air Conditioning

Method of Construction

Cable Tool Air Percussion Digging
 Rotary (Conventional) Diamond Boring
 Rotary (Reverse) Jetting Other, specify _____
 Rotary (Air) Driving

Status of Well

Test Hole Abandoned, Insufficient Supply
 Replacement Well Abandoned, Poor Water Quality
 Dewatering Well Other, specify _____
 Alteration (Construction) Abandoned, other, specify _____

No Casing and Screen Used Yes No

Static Water Level Test _____ Metres

Screen

Galvanized Steel Fibreglass Concrete Plastic

Outside Diameter (Centimetres): *6.4* Slot No.: *20*

Water Details

Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals
 Water found at Depth _____ Metres Gas Fresh Salty Sulphur Minerals

Disinfected Yes No. If no, provide reason: _____ Date Master Well Completed (yyyy/mm/dd): *2009/10/06*

Cluster Information (Please also fill out the additional Cluster Well information for Well Construction for each parcel of land and cluster.)

Total Wells in Cluster: *7* Please indicate Number of Cluster Well Information Log Sheets Submitted: *1*
 Total Wells on this Property: *7*

Location of Well Cluster

Detailed Map must be provided as an attachment no larger than legal size (8.5" x 14"). Sketches are not allowed.
 Check box to confirm detailed map is provided as per Section 11.1 (3)

Consent to release additional information concerning the cluster to the Director upon request

Signature of Technician/Contractor: *Andrew Penwarden* Date (yyyy/mm/dd): *2009/10/06*

Construction Details

Inside Diameter (Centimetres)	Material (steel, plastic, fibreglass, concrete, galvanized)	Wall Thickness	Depth (Metres)	
			From	To
<i>5.1</i>	<i>Plastic</i>	<i>0.65</i>	<i>0</i>	<i>82</i>

Annular Space/Abandonment Sealing Record

Depth Set at (Metres)		Type of Sealant Used (Material and Type)	Volume Used (Cubic Metres)
From	To		
<i>0</i>	<i>5.1</i>	<i>Bentonite</i>	

Well Contractor and Well Technician Information

Business Name of Well Contractor: *Geo Environmental* Well Contractor's Licence No.: *6607*
 Business Address (Street No./Name, number, RR): *340 Market Dr* Municipality: *Milton*
 Province: *Ont* Postal Code: *L9T 5A4* Business E-mail Address: _____
 Bus. Telephone No. (inc. area code): *905 876 3388* Name of Well Technician (Last Name, First Name): *Andrew Penwarden*
 Well Technician's Licence No.: *1901* Signature of Technician: *Andrew Penwarden* Date Submitted (yyyy/mm/dd): *2009/10/06*

Ministry Use Only

Audit No.: **M 061.43** Well Contractor No.: _____
 Date Received (yyyy/mm/dd): **DEC 02 2009** Date of Inspection (yyyy/mm/dd): _____
 Remarks: _____

A092272

Property Owner's Information

First Name: Shel Canada Products Last Name: Shel Canada Products Mailing Address (Street No./Name, RR): 90 Sheppard Ave E. Ste 600 Municipality: Toronto

Province: Ontario Postal Code: M2N 6Y2 E-mail Address: _____ Telephone No. (inc. area code): 416 227 7111

Cluster Well Information

Address of Well Location (Street Number/Name, RR): 5460 Ferry St Lot: _____ Concession: _____ Township: _____ County/District/Municipality: _____

City/Town/Village: Niagara Falls Province: Ontario Postal Code: L2G 1S1 GPS Unit Make: Garmin Model: e-Trex Unit Mode of Operation: Undifferentiated Averaged Differentiated, specify: _____

Consent

Signature of Technician/Contractor: [Signature] Date (yyyy/mm/dd): 2009/10/07

Well # on Sketch	UTM Coordinates		Full Depth of Hole (metres)	Hole Diameter (cm)	Method of Construction	Casing Material	Casing Length (metres)	Screen Interval (metres)		Annular Space Sealant Used	Static Water Level (metres)	Abandonment Sealant Used	Comments	Date of Completion (yyyy/mm/dd)
	Zone	Easting						Northing	From					
108	17	6558904772308	8.2	21	Boring	Plastic	5.1	5.1	8.2	Bentonite				
107	17	6558814772304	8.2	↓	↓	↓	↓	↓	↓	↓				
105	17	6558724772297	↓	↓	↓	↓	↓	↓	↓	↓				
103	17	6558804772275	↓	↓	↓	↓	↓	↓	↓	↓				
104	17	6558614772278	↓	↓	↓	↓	↓	↓	↓	↓				
102	17	6558784772272	↓	↓	↓	↓	↓	↓	↓	↓				
101	17	6558709772281	↓	↓	↓	↓	↓	↓	↓	↓				

Well Contractor and Well Technician Information

Business Name of Well Contractor: Geo Environmental Business Address (Street Number/Name, RR): 340 Market dr Municipality: Milton Province: Ont

Postal Code: L9T 5A5 Business Telephone No. (inc. area code): 905 876 3388 Well Contractor's Licence No.: 6607 Business E-mail Address: _____

Name of Well Technician (First Name, Last Name): Arkan Penwarden Well Technician's Licence No.: 1901 Date Submitted (yyyy/mm/dd): 2009/10/08 Signature of Technician: [Signature]

Date 1st Well in Cluster Constructed (yyyy/mm/dd): 2009/10/06 Date Last Well in Cluster Constructed (yyyy/mm/dd): 2009/10/07

Ministry Use Only

Date Received (yyyy/mm/dd): DEC 02 2009 Date Inspected (yyyy/mm/dd): _____

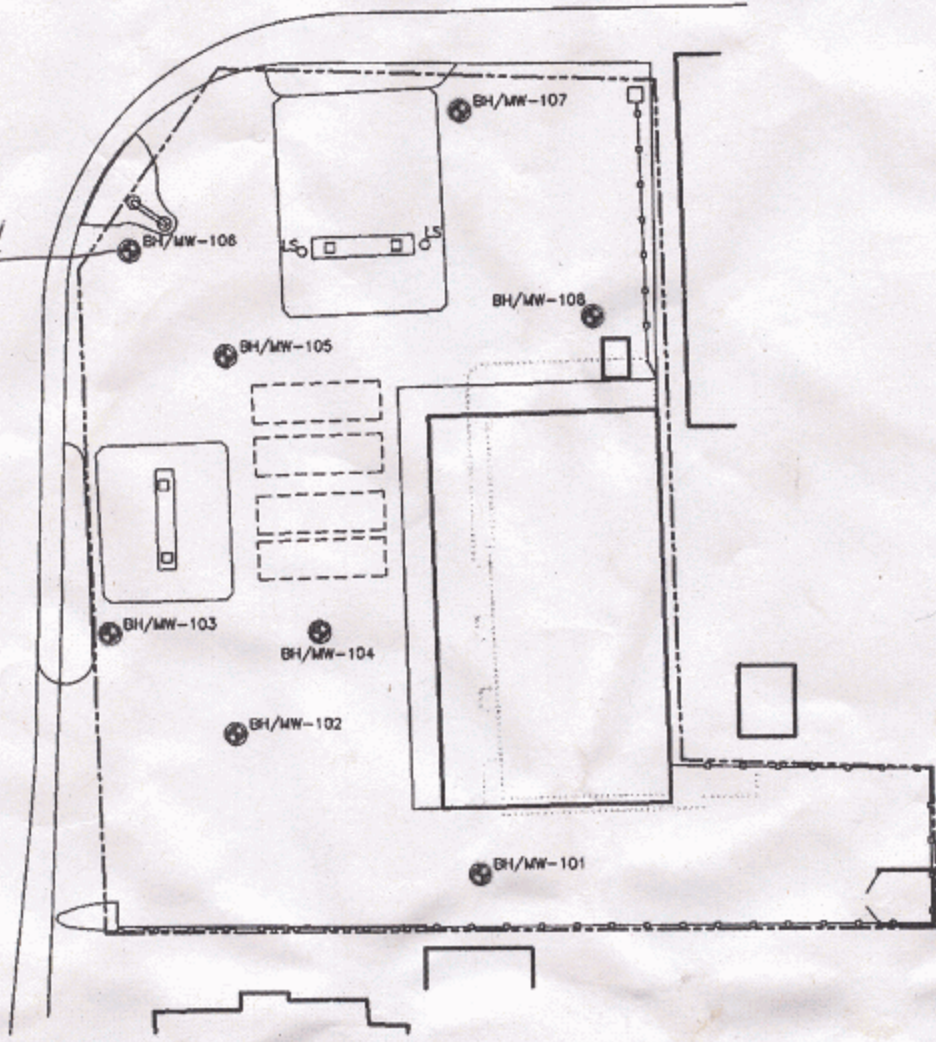
Audit No.: C06386 Remarks: md6143

FERRY STREET



Tagged

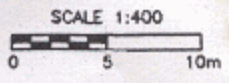
STANLEY AVENUE



C-6607
 M06143
 C06386

LEGEND	
	PROPOSED BOREHOLE/MONITORING WELL
	LIGHT STANDARD
	MANHOLE
	SITE PROPERTY LINE
	EXISTING BUILDING
	INFRASTRUCTURE
	FORMER INFRASTRUCTURE
	GUARD FENCE
	UNDERGROUND TANK

NOTE(S):
 1. SCALE AND SITE INFRASTRUCTURE LOCATIONS ARE APPROXIMATE
 2. INFORMATION ON THIS FIGURE MAY BE LOST IF IT IS PHOTOCOPIED OR FAXED
 3. "m" : METRES



	Client/Location: SHELL 5460 FERRY STREET NIAGARA FALLS, ON		Title: PROPOSED BOREHOLE/MONITORING WELL LOCATIONS	
	Project No: S04828	Filename: 01F03_S04828	Date: MAY 2009	Drawing No: FIGURE 3
	Drawn: FD	Verified:	Project Manager:	

DEC 02 2009

Measurements recorded in: Metric Imperial

A114447

A114447

9313

Page 1 of 2

Well Owner's Information

First Name: Mae's Convenience
 Last Name / Organization: Mae's Convenience
 E-mail Address: _____
 Well Constructed by Well Owner
 Mailing Address (Street Number/Name): 305 Milner Ave, suite 400
 Municipality: Toronto
 Province: On
 Postal Code: M1H 9B4
 Telephone No. (inc. area code): (416) 291-4441

Well Location

Address of Well Location (Street Number/Name): 5460 Ferry street
 Township: _____ Lot: _____ Concession: _____
 County/District/Municipality: _____ City/Town/Village: Niagara Falls
 Province: Ontario
 Postal Code: _____
 UTM Coordinates: Zone Easting Northing
 NAD 83 17 655384 4772513
 Municipal Plan and Sublot Number: _____ Other: _____

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

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft)
				From To
black	Asphalt		soft	0 .31
brown	sand	gravel	base	.31 1
red/brown	sand		soft	1 4.2

Annular Space

Depth Set at (m/ft)	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
From To		
0 .31	Concrete	.0026
.31 1.2	Bentonite	.0042
1.2 1.5	Silica Sand	.0154

Results of Well Yield Testing

Time (min)	Draw Down		Recovery	
	Water Level (m/ft)	Time (min)	Water Level (m/ft)	Time (min)
1		1		
2		2		
3		3		
4		4		
5		5		
10		10		
15		15		
20		20		
25		25		
30		30		
40		40		
50		50		
60		60		

After test of well yield, water was:
 Clear and sand free
 Other, specify _____
 If pumping discontinued, give reason: _____
 Pump intake set at (m/ft): _____
 Pumping rate (l/min / GPM): _____
 Duration of pumping: _____ hrs + _____ min
 Final water level end of pumping (m/ft): _____
 If flowing give rate (l/min / GPM): _____
 Recommended pump depth (m/ft): _____
 Recommended pump rate (l/min / GPM): _____
 Well production (l/min / GPM): _____
 Disinfected? Yes No

Method of Construction

Cable Tool Diamond
 Rotary (Conventional) Jetting
 Rotary (Reverse) Driving
 Boring Digging
 Air percussion
 Other, specify Direct Wash

Well Use

Public Commercial Not used
 Domestic Municipal Dewatering
 Livestock Test Hole Monitoring
 Irrigation Cooling & Air Conditioning
 Industrial
 Other, specify _____

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft)		Status of Well
			From	To	
4.02	PVC	.40	0	1.2	<input type="checkbox"/> Water Supply <input type="checkbox"/> Replacement Well <input checked="" type="checkbox"/> Test Hole <input type="checkbox"/> Recharge Well <input type="checkbox"/> Dewatering Well <input checked="" type="checkbox"/> Observation and/or Monitoring Hole <input type="checkbox"/> Alteration (Construction) <input type="checkbox"/> Abandoned, Insufficient Supply <input type="checkbox"/> Abandoned, Poor Water Quality <input type="checkbox"/> Abandoned, other, specify _____ <input type="checkbox"/> Other, specify _____

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft)	
			From	To
4.82	PVC	10	1.2	4.2

Water Details

Water found at Depth (m/ft)	Kind of Water: <input type="checkbox"/> Fresh <input type="checkbox"/> Untested <input type="checkbox"/> Gas <input type="checkbox"/> Other, specify _____
0	
4.2	

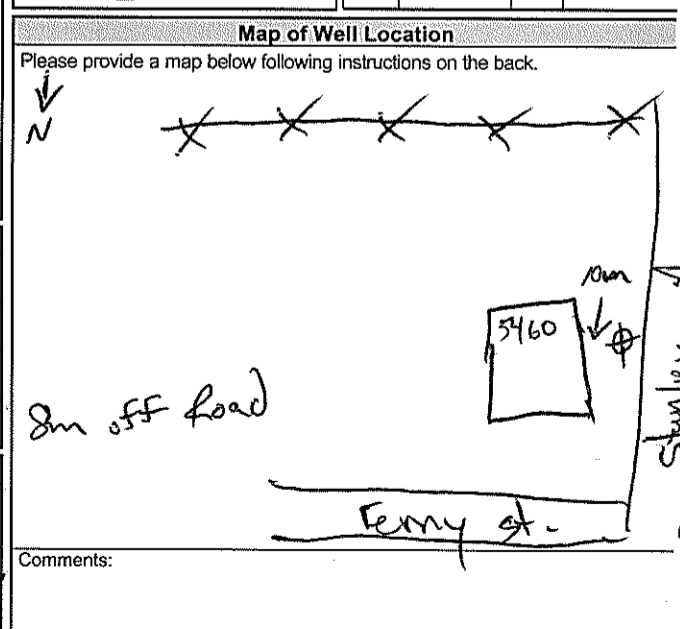
Hole Diameter

Depth (m/ft)	Diameter (cm/in)
From To	
0 4.2	10.9

Well Contractor and Well Technician Information

Business Name of Well Contractor: Strata Soil Sampling Inc
 Well Contractor's Licence No.: 7121411
 Business Address (Street Number/Name): 1472 West Beaver Creek rd
 Municipality: Richmond Hill
 Province: On
 Postal Code: L4B 1C6
 Business E-mail Address: wrecords@strataso1.com

Bus. Telephone No. (inc. area code): 905 764 9304
 Name of Well Technician (Last Name, First Name): Eric London
 Well Technician's Licence No.: 36117
 Signature of Technician and/or Contractor: [Signature]
 Date Submitted: 2011/12/03



Well owner's information package delivered: Yes No

Date Package Delivered: YYY Y M M D D
 Date Work Completed: 2011/12/03

Ministry Use Only

Audit No.: Z142549
 Received: DEC 30 2011



Measurements recorded in: Metric Imperial

Well Owner's Information

First Name: Marc's Convenience, Last Name / Organization: Marc's Convenience, E-mail Address: [blank], Mailing Address: 305 Milner Ave, Municipality: Toronto, Province: On, Postal Code: [blank], Telephone No.: [blank]

Well Location

Address of Well Location: 5460 Ferry Street, Township: [blank], Lot: [blank], Concession: [blank], City/Town/Village: Niagara Falls, Province: Ontario, Postal Code: [blank], UTM Coordinates: NAD 83 17 055885 4772498

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

Table with 5 columns: General Colour, Most Common Material, Other Materials, General Description, Depth (m/ft) From/To. Rows include black asphalt, brown gravel, and red-brown sand/silt.

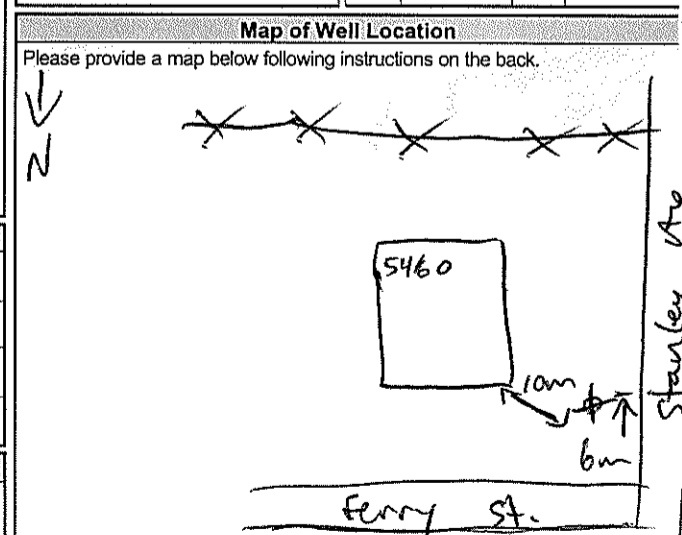
Annular Space table with 3 columns: Depth Set at (m/ft) From/To, Type of Sealant Used (Material and Type), Volume Placed (m³/ft³). Rows include Concrete, Bentonite, and Silica Sand.

Results of Well Yield Testing table with columns for Draw Down (Time, Water Level) and Recovery (Time, Water Level). Includes pumping rate, duration, and final water level.

Method of Construction and Well Use checkboxes. Includes Cable Tool, Rotary, Boring, Air percussion, Diamond, Jetting, Driving, Digging, Public, Commercial, Municipal, Test Hole, Monitoring, etc.

Construction Record - Casing table with 4 columns: Inside Diameter, Open Hole OR Material, Wall Thickness, Depth (m/ft) From/To. Includes Status of Well checkboxes.

Construction Record - Screen table with 4 columns: Outside Diameter, Material, Slot No., Depth (m/ft) From/To. Includes Status of Well checkboxes.



Water Details and Hole Diameter table. Water found at Depth (m/ft) and Kind of Water (Fresh, Untested, Gas, Other). Hole Diameter (Depth and Diameter).

Well Contractor and Well Technician Information. Business Name: Strata Soil Sampling Inc, Well Contractor's Licence No: 722411, Business Address: 147-2 West Beaver Creek Rd, Richmond Hill, ON.

Comments: [blank], Well owner's information package delivered: [checkboxes], Date Package Delivered: [blank], Date Work Completed: [blank], Ministry Use Only: Audit No: 2142550, Received: DEC 30 2011.

Appendix H:
Record of Interview

RECORD OF INTERVIEW



Date & Time of Interview	August 3 rd , 2022	
Interviewer Name	Maddie Calvert / Connor Dodsworth / Nicole Metz	
Weather	29°C / 25 KMPH wind / 49% humidity	
Site Address	5438 Ferry Street Niagara Falls	
Project Number	E-22-33-1	
Interviewee Name & Position	Rick Dritsacos / Owner	
Interviewee Contact Information	rdritsacos@comfortinnfallsview.ca	
SITE INFORMATION		
Describe land use history. Was the property ever used for industrial use, as a dry cleaner, a garage, or bulk liquid dispensing facility (including gasoline)	Was the Capri Restaurant for sixty (60) years. Historically a commercial property with some residential	
Are you aware of any environmental issues associated with the study site such as waste disposal, landfilling, chemical use and/or storage (AST or UST)	N/A	
Are you aware of any site-specific permits, waste generation number, certificate of approval, ECA, water well records or sewer discharge permits	N/A	
Are you aware of any current or historical environmental concerns associated with adjacent properties	N/A	
Did you ever apply salt in the parking area?	2 times per year	
Are there any reports done on the property?	ESA Phase 1 in 2010	
Is there anyone else Hallex could contact for additional information?		
BUILDING INFORMATION & FEATURES		
Are you aware of any environmental building management issues such as ACM, PCBs, etc.	Transformer onsite (4089) on concrete pad	
Has a DSS/HMS/ACM report previously been done?	No.	
Building footprint size	480 m ²	
Year of construction	Unknown	
Year(s) of addition/renovation/demolition	2010	
Number of storeys	2	
Number of exits/entrances	3	
Number of current occupants/ tenants	1	
If vacant when was the last time the building was occupied and by whom	Currently occupied by Bravo	
Type of manufacturing/warehousing/processing in building (current and past)	N/A	
What are the waste management practices	N/A	
Chemical Storage	None observed	
Full/partial/no basement	No basement	
Heating type (Historic/current)	Forced Air – Natural Gas	

RECORD OF INTERVIEW



Wall material / paint type	Wood paneling, bricks, ceramic tile, and drywall.
Floor material	Ceramic tile and laminate.
Ceiling material	Ceiling tile, drywall, open trusses, and drywall.
Lighting type	LED & fluorescent
Water damage	None observed.
Exterior wall material	Stucco and bricks.
Roof material	Flat roof
Foundation type	Poured concrete
Other	n/a
EXTERIOR SITE FEATURES	
Source of clean water (Municipal)	Municipal
Source of waste water (Municipal)	Municipal
Surface water runoff (swale, catch basin)	Catch basin on-site and municipal drains along Ferry Street and Fallsview Blvd.
Man-made forms of standing water (ditches, pits, etc.)	None observed
Natural Watercourses	None observed
Wells on site	None observed
Transformers on site	Yes, never contained PCB as identified from Niagara Peninsula Energy.
Electrical generator on site	None observed
Chemical storage on site	None observed
stressed vegetation	None observed
Stained material	None observed
Fill material	None observed
Debris	None observed
Equipment	None observed
Ground cover (Snow, grass, asphalt)	Asphalt
Study site Slope	Slight slope southeast.
Miscellaneous	n/a
Historic and/or Current ASTs/USTs	No known historic or current AST or UST.
SURROUNDING LAND USE FEATURES	
North	Commercial – AlMacs Buffet
South	Commercial – Hotels
East	Commercial – Souvenirs shop
West	Commercial – Potato Jackets Restaurant and Gas Station

Appendix I:
Site Photograph Log




Photo #	Study Site – Exterior	Description
1		Northside of property, photo facing southwest
2		Westside of property, photo facing southeast
3		Eastside of the building, photo facing northwest


Photo #	Study Site – Exterior	Description
4	 A photograph showing the exterior of a single-story building with a tan facade. A red car is parked in a paved lot in front of the building. There are some blue containers and a blue umbrella near the building's entrance.	Southside of property, photo facing north



Photo #	Study Site – Interior	Description
5	 A photograph of a dining area with several tables covered in white cloths. The tables are set with glassware and silverware. The room has a modern interior with pendant lighting and patterned wall panels.	Dining area
6	 A photograph of a bar area featuring a curved counter with a speckled granite top. In the background, there is a brick wall with decorative elements and a large Pepsi vending machine.	Bar area

Photo #	Study Site – Interior	Description
7		Kitchen
8		Utility room


Photo #	Study Site – Surrounding Properties	Description
9		West adjacent property (Potato Jackets), photo facing southwest.




Photo #	Study Site – Surrounding Properties	Description
10		<p>West adjacent property (residential), photo facing west</p>
11		<p>South adjacent property (Falls Lodge, and Suites), photo facing southwest</p>
12		<p>South adjacent property (residential), photo facing southeast</p>

Photo #	Study Site – Surrounding Properties	Description
13		<p>East adjacent property (Jo-An's Gift Shop) photo facing east</p>
14		<p>North adjacent property (LCBO) photo facing northeast</p>
15		<p>North adjacent property (Almacs buffet) Photo facing northwest</p>